

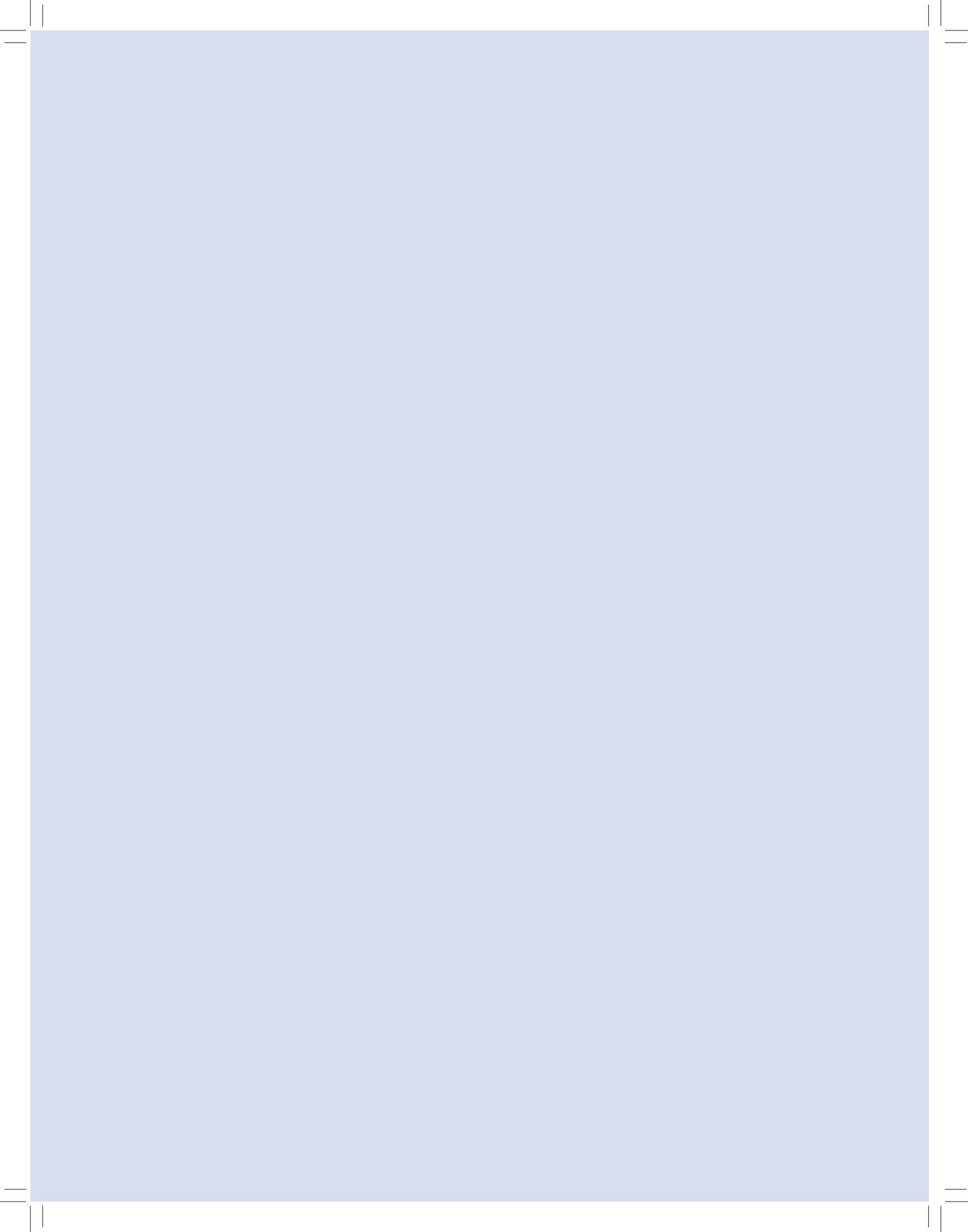
Department of Economic and Social Affairs

UNITED NATIONS E-GOVERNMENT SURVEY 2024

TECHNICAL APPENDIX



UNITED NATIONS
New York, 2024
[https://publicadministration.un.org/en/
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United Nations Department of Economic and Social Affairs

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ST/ESA/PAD/SER.E/218

Sales no: E.24.II.H.1

PRINT ISBN: 9789210032667

PDF ISBN: 9789211067286

EPUB ISBN: 9789211067293

Print ISSN: 2411-8257

Online ISSN (eISSN): 2411-829X

United Nations E-Government Surveys:

2024 Accelerating Digital Transformation for Sustainable Development

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2001 Benchmarking E-Government: A Global Perspective

Website: publicadministration.un.org/egovkb/en-us/

Layout: Clung Wicha Press Co., Ltd., Thailand

Cover Design: Division for Public Institutions and Digital Government, UN DESA

Photo credit: shutterstock.com

Printed at the United Nations, New York

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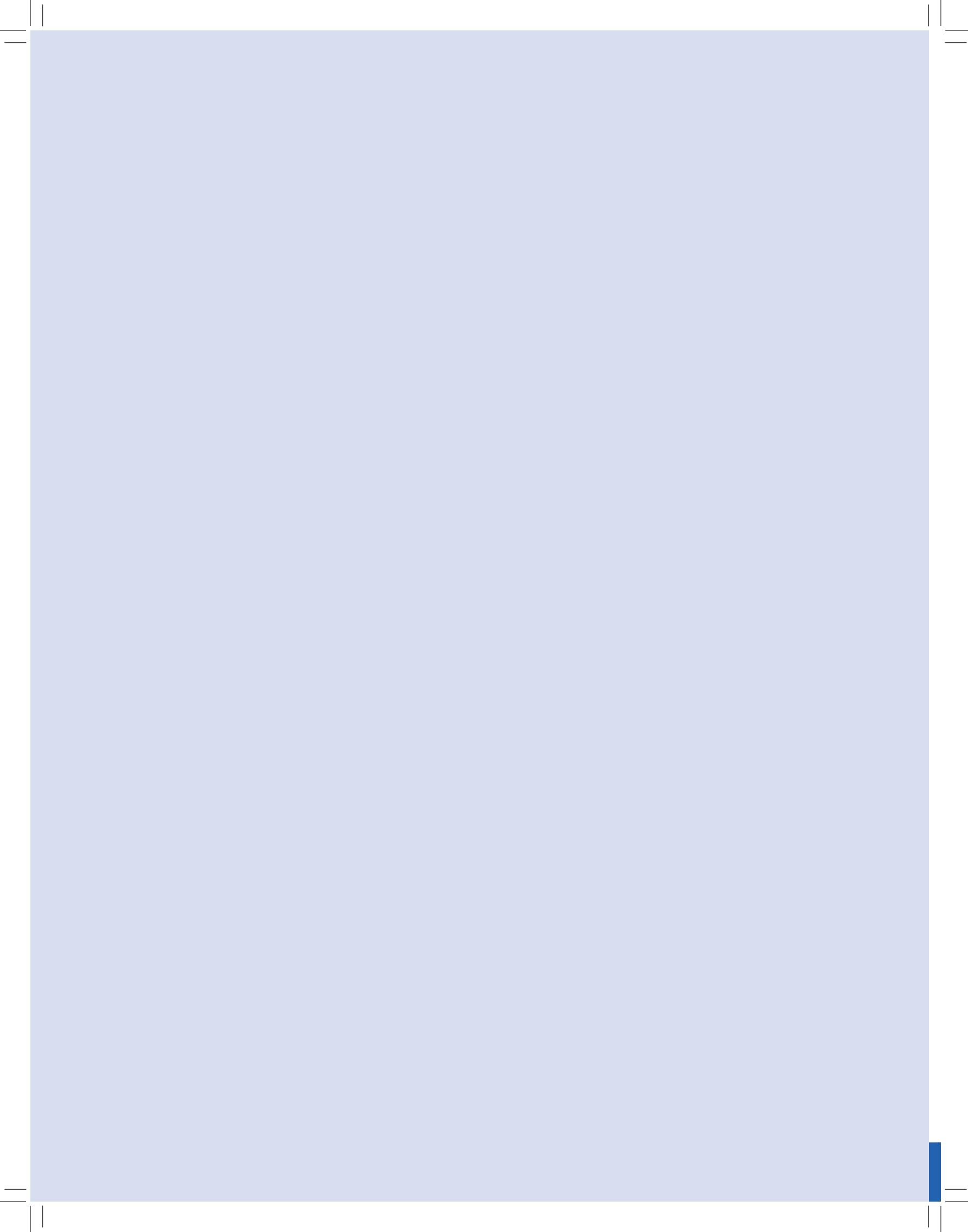
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Technical Appendix

Explore the interactive United Nations E-government Knowledgebase (UNeGovKB) to review, organize and print information from the United Nations E-Government Survey. The link can be used to download copies of all Surveys, from 2001 up to the most recent 2024 edition. Use the link or QR code to access the online interactive Knowledgebase.

<https://publicadministration.un.org/egovkb>



1. Introduction

The United Nations E-Government Survey 2024 marks the 13th edition of the United Nations' comprehensive evaluation of the digital government landscape across all 193 Member States. Building on over two decades of research, this Survey ranks countries using the United Nations E-Government Development Index (EGDI), which combines primary data from the United Nations Department of Economic and Social Affairs with secondary data from other UN agencies.

This edition delves into global and regional digital government trends, emphasizing the accelerated digital transformation in the post-pandemic era. It introduces the new Digital Government Model Framework, offering a methodological guide for planning and evaluating digital government initiatives. Additionally, the Survey includes an assessment of local e-government development through the United Nations Local Online Service Index (LOSI) and explores the integration of artificial intelligence (AI) in e-government.

Instead of the extensive annexes featured in previous editions, the 2024 Survey is accompanied by a separate technical appendix. The 2024 United Nations E-Government Survey appendix provides the datasets of a comprehensive evaluation of digital government across Member States, detailing the preparatory process, the key indices that constitute the E-Government Development Index (EGDI), and the methodologies used. The appendix covers the Online Services Index, Telecommunications Infrastructure Index, Human Capital Index, and E-Participation Index, alongside a deep dive into the Local Online Services Index (LOSI), including its updated methodology and changes in 2024. The process workflow highlights volunteer training, data collection, and quality assurance. The appendix also addresses challenges such as methodology limitations, the rapid evolution of digital technologies, and declining Member States' response rates.

Additionally, it includes insights from a pilot study on Open Government Data and explores Complex Network Analysis.

1.1 Preparatory process for the 2024 E-Government Survey

The preparations for the 2024 Survey included two expert group meetings during which participants exchanged views, endeavoured to ensure the alignment of the Survey with current trends and the 2030 Agenda, offered key recommendations highlighting the connections between the United Nations E-Government Development Index (EGDI) and the Sustainable Development Goals (SDGs), reevaluated the weights assigned to EGDI components and subindices, and proposed new subindices relating to connection quality, cost and e-government literacy.

The meeting participants also reviewed the methodology for the Local Online Services Index (LOSI), offering suggestions on how to capture national-level services and unique local characteristics. It was proposed that a road map be produced outlining short-, medium-, and long-term methodological changes, including pilot projects and partnerships. The meeting underscored the necessity for continuous improvement to ensure that the Survey remains a relevant tool for assessing progress in digital government development.

2. E-Government Development Index: an overview

The EGDI is a composite measure that assesses a country's readiness, capacity and progress in using e-government for the provision of public services. It has become an essential tool for benchmarking the development of e-government services worldwide.

The EGDI incorporates three key dimensions or components, each represented by its own index; the Online Services Index (OSI) evaluates the scope and quality of online services; the Telecommunications Infrastructure Index (TII) quantifies the development status of the telecommunications infrastructure, and the Human Capital Index (HCI) measures the development of human capital.

The EGDI is calculated as the equally weighted average of the normalized values of these three indices, and each index can be independently extracted and analysed to provide a more detailed understanding of a country's e-government development in specific areas.

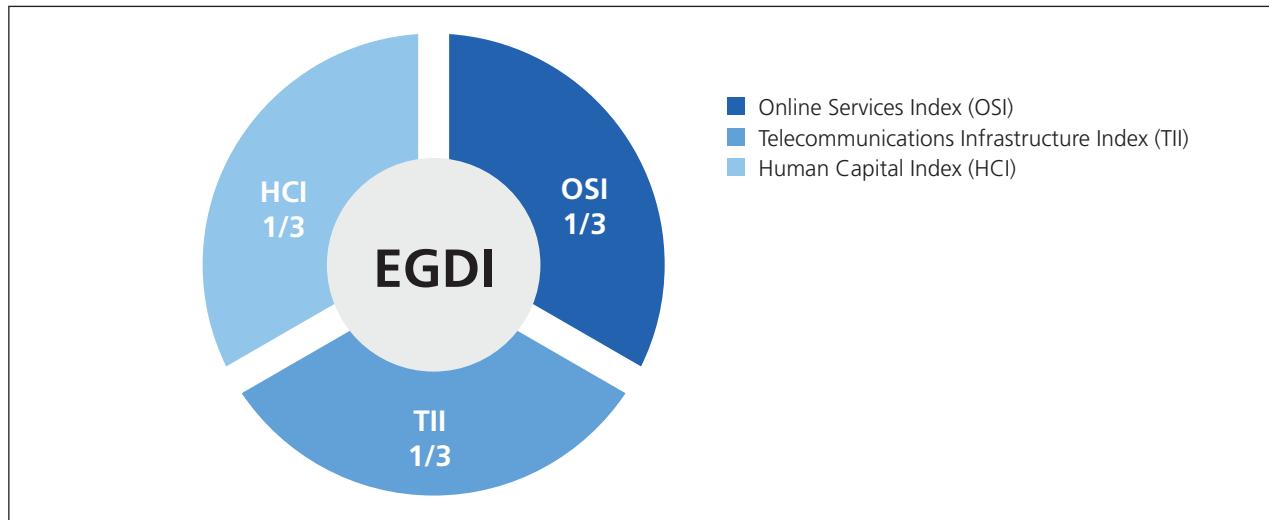
$$\text{EGDI} = \frac{1}{3} (\text{OSI}_{\text{noramalized}} + \text{TII}_{\text{normalized}} + \text{HCI}_{\text{normalized}})$$

Before the three component indicators are normalized, each one undergoes a Z-score standardization procedure.

This step ensures that the overall EGDI is equally influenced by the three component indices, meaning that each index has a comparable variance after Z-score standardization. Without this standardization function, the EGDI would primarily be determined by the component index with the greatest dispersion. By applying Z-score standardization, the arithmetic average sum becomes a reliable statistical indicator, where "equal weights" genuinely represent "equal importance" in the calculation of the final EGDI value.

This process guarantees that the three components – online services, telecommunications infrastructure, and human capital – contribute equally to the overall assessment of a country's e-government development.

Figure 1 The three components of the E-Government Development Index (EGDI)



The standard Z-score calculation for each component indicator follows this formula:

$$Z = \frac{x - \mu}{\sigma}$$

where:

Z represents the standard Z-score for the component indicator

x is the raw score that needs to be standardized

μ denotes the mean (average) of the population

σ signifies the standard deviation of the population

The composite value of each component index is normalized to fall within the range of 0 to 1, and the overall EGDI value is calculated by taking the arithmetic average of the three component indices.

Countries are grouped into four levels based on their EGDI values. The inclusive value ranges for these levels are as follows: very high EGDI values range from 0.7500 to 1.000, high EGDI values range from 0.5000 to 0.7499, middle EGDI values range from 0.2500 to 0.4999, and low EGDI values range from 0.0000 to 0.2499. References to these ranges in the E-Government Survey are rounded for the sake of clarity.

To provide a more nuanced analysis of performance within each EGDI level, these groups are further divided into four distinct rating classes. The rating classes within the respective EGDI levels are sequentially classified in descending order, as follows:

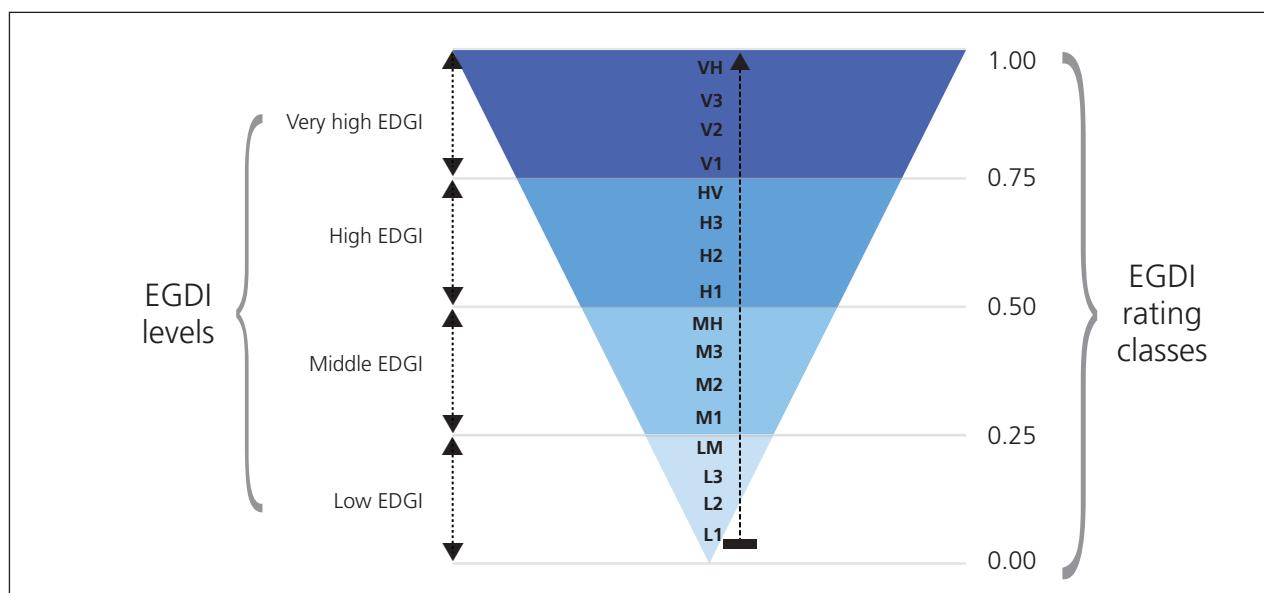
VH, V3, V2 and V1 for the very high EGDI group

HV, H3, H2 and H1 for the high EGDI group

MH, M3, M2 and M1 for the middle EGDI group and

LM, L3, L2 L1 for the low EGDI group (see figure A2).

Figure 2 EGDI rating classes



By providing a numerical evaluation and ranking of e-government development, the EGDI serves as a benchmark for the States Members of the United Nations. Although the methodological framework for EGDI has remained consistent throughout the various editions of the United Nations E-Government Survey, each edition has been adapted to reflect the latest trends in e-government strategies, the evolving understanding of best practices in e-government, advancements in technology, and other relevant factors. Furthermore, data collection practices have undergone periodic refinements to ensure that the most accurate and up-to-date information is captured. The EGDI methodology primarily uses the “donor imputation” method, which replaces missing values in a record with corresponding earlier values from a complete and valid record. The EGDI 2024 datasets, including specific breakdowns for Regional and Economic Groupings, Least Developed Countries (LDCs), Landlocked Developing Countries (LLDCs), and Small Island Developing States (SIDS), can be found in Section 11 of this appendix.

3. Online Services Index

The OSI, a proprietary quantitative index developed by UN DESA, evaluates e-government services provision across the 193 Member States. Based on responses to a comprehensive OSI questionnaire about each country's national government portal and key ministerial websites, this vital metric assesses how Governments leverage digital technologies to enhance e-governance and public engagement.

A nuanced scoring system is employed for OSI assessment. For most features, a binary approach is used; readily accessible elements receive a score of 1, while a score of 0 is assigned for absent or inaccessible features. This straightforward method provides a clear, evidence-based snapshot of a country's online services landscape. However, for questions relating to the ability of users to complete government services transactions, a more detailed scale is applied, with scores ranging from 0 to 2; 0 indicates no online service or information, 1 signifies available information but offline transaction completion, and 2 denotes fully online information and transaction capabilities, including payment and document receipt.

This refined scoring approach captures the varying degrees of digital services maturity across countries, offering a comprehensive view of e-government development. By evaluating both the presence of online features and the depth of transactional capabilities, the OSI provides a nuanced understanding of how effectively Governments are embracing digital governance to serve their constituents.

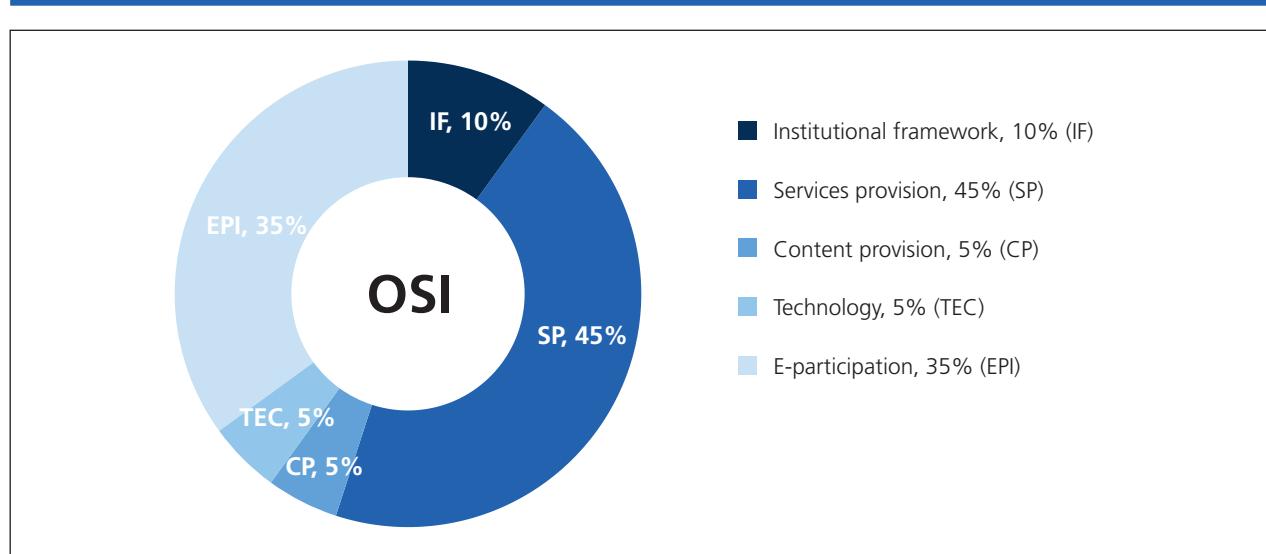
The 2024 E-Government Survey retains the successful OSI calculation introduced in 2022. The OSI assessment questions are categorized into five discrete thematic areas reflected in five subindices – institutional framework (IF), services provision (SP), content provision (CP), technology (TEC), and e-participation (EPI) – with the OSI calculated based on the normalized values for each subindex. This structure enables a more comprehensive and nuanced evaluation of online services delivery.

The OSI questionnaire, which captures accumulated values, undergoes regular updates to reflect the dynamic nature of digital government and to measure global advancements in content and services provision, technology, citizen engagement, and policy and institutional frameworks.

The number of questions (indicators) in the OSI survey increased from 180 in 2022 to 183 in 2024, reflecting the tool's evolving complexity. For a comprehensive list of the indicators measured for the OSI 2024, see section 11 of this appendix.

To ensure OSI 2024 comparability with the 2022 data sets, the weight assigned to each subindex remains the same as in the previous edition, where it was determined based on the proportion of assessment questions within the respective thematic areas (see figure 3). By retaining this methodology, UN DESA underscores its commitment to providing a reliable, adaptable metric for understanding the evolving landscape of digital government services globally.

Figure 3 The five subindices of the Online Services Index



The calculation of the OSI maintains its foundation in normalized values for each subindex, employing consistent standardization and normalization processes. This approach ensures comparability across successive Surveys while also accommodating refinements that reflect the evolving digital governance landscape.

Specifically, the scores for questions within each of the five categories (IF, SP, CP, TEC and EPI) are tallied, and Z-scores are generated for each category and assessed country using the following formula:

$$Z\text{-score } X = \frac{(X - \text{Mean}(X))}{\text{ST.DEV}(X)}$$

where X represents the respective category. The resulting values are a series of standardized subindices reflecting online services provision across the primary thematic dimensions.

The overall total score for a given country then becomes the sum of the normalized and weighted scores for each of the five subindices:

$$\text{OSI}_{\text{country}(i)\text{total score}} = (\text{CP}_Z\text{-score} * \text{CP}_\text{weight}) + (\text{EPI}_Z\text{-score} * \text{EPI}_\text{weight}) + (\text{IF}_Z\text{-score} * \text{IF}_\text{weight}) + (\text{SPZ}_\text{-score} * \text{SP}_\text{weight}) + (\text{TEC}_Z\text{-score} * \text{TEC}_\text{weight}) + (\text{CP}_Z\text{-score} * \text{CP}_\text{weight})$$

In the final step of the process, the weighted actual scores for each country are normalized, yielding each assessed country an OSI value between 0 and 1 according to the following formula:

$$\text{Online Services Index (Country "X")} = \frac{\text{Actual total score-Lowest total score}}{(\text{Range of total scores for all countries})}$$

where the online index value for a given country is equal to the actual total score less the lowest total score, divided by the range of total scores for all countries.

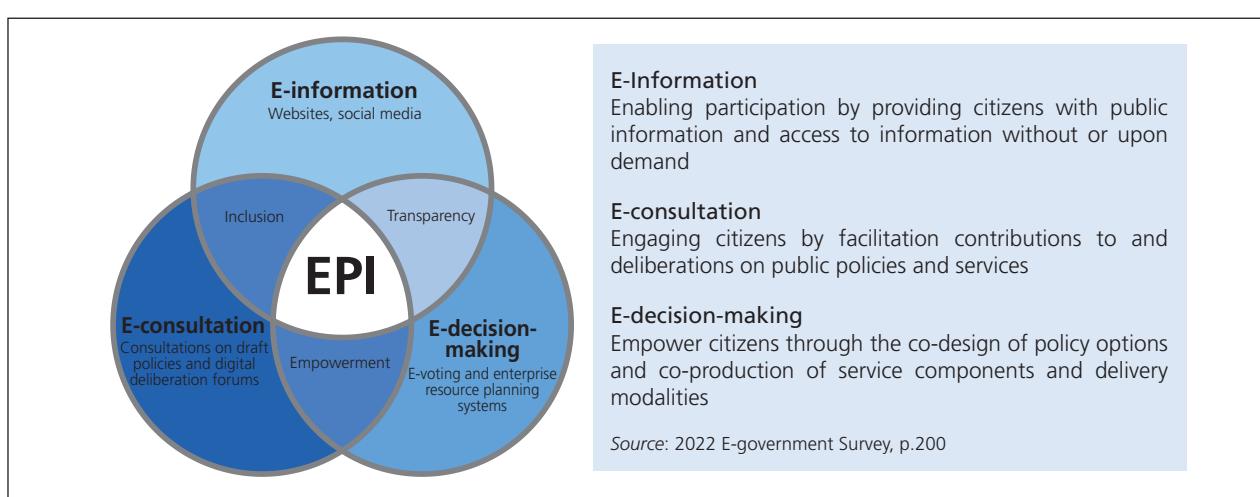
A comprehensive list of the features assessed for the 2024 OSI and OSI Datasets are available in Section 11 of this appendix.

4. E-Participation Index

The EPI, an OSI subindex, is a key part of the EGDI. It evaluates the effectiveness and relevance of the digital information and services offered by Governments to encourage citizen engagement in public policy formulation. It is a vital element of e-government assessment that aims to promote public participation and empowerment using digital tools. As a fundamental aspect of monitoring e-government development, the EPI consistently assesses how prepared Governments are to “ensure responsive, inclusive, participatory and representative decision-making at all levels” (SDG target 16.7).

The EPI has been a crucial component of the Survey since 2003 and remains anchored to a comprehensive framework that employs a three-point scale to differentiate between deliberate actions taken by the Government in three key areas: the e-information indicator assesses government efforts to provide the public with information on significant aspects of public life; the e-consultation indicator evaluates government initiatives aimed at engaging the public in policy matters and/or services delivery consultations at various stages of the process; and e-decision-making measures the government commitment to incorporating and reflecting people's input in decision-making processes (see figure 4).

Figure 4 E-participation framework



To assess these three key areas, the Survey evaluates government portals and websites for the presence or absence of specific features. These include the integration of participatory budgeting or similar mechanisms; the availability of open government data in general and for six crucial sectors closely linked to SDG implementation (education, employment, environment, health, justice, and social protection); evidence of co-creation or co-production mechanisms for collaborative services provision; indications that people's voices are heard in discussions and decision-making processes related to the formulation and adoption of policies on issues concerning vulnerable populations; and evidence of online consultations (via e-forums, e-polls, e-questionnaires, or other e-participation tools) designed to facilitate the engagement of people in vulnerable situations.

As a comparative measure, the EPI allows countries to reflect on where they stand relative to other countries in the deployment of e-participation mechanisms. The Index does not aim to prescribe specific practices but rather provides insights into how different countries utilize online tools to foster interaction between the Government and its citizens, as well as among the people themselves, for the benefit of all.

It is important to note that the EPI is a qualitative assessment based on the availability and relevance of participatory services offered on government websites. As such, the comparative ranking of countries is primarily for illustrative purposes and serves as an indicator of general trends in promoting citizen engagement.

To calculate the EPI mathematically, the total score for a given country is normalized by subtracting the lowest total score of any country in the Survey and then dividing the result by the range of total scores across all countries, as follows:

$$\text{E-Participation Index (Country X)} = \frac{\text{Total score (Country X)} - \text{Lowest total score}}{\text{Highest total score} - \text{Lowest total score}}$$

The e-participation ranking of countries is determined by their EPI values using the "standard competition ranking" method. In this ranking system, countries with identical EPI values receive the same ranking number, and a gap is left in the ranking numbers. This approach ensures that if two or more countries tie for a position in the ranking, the positions of all those ranked below them remain unaffected. Consider a scenario in which country A ranks ahead of B and C, the latter two have the same EPI value, and all three countries score higher than country D. In this case, country A would be ranked first, countries B and C would both be ranked second, and country D would be ranked fourth.

EPI features assessed and datasets are available in Section 11 of this appendix.

5. Telecommunications Infrastructure Index

By assessing the existing information and communications technology (ICT) infrastructure, the TII plays a vital role in ascertaining a country's capacity for e-government development, as a strong infrastructure is essential for delivering digital services and facilitating online interactions between government and citizens.

The 2024 E-Government Survey has introduced a significant enhancement to the TII, replacing the fixed broadband subscriptions indicator with a new affordability indicator to complement the three existing subindices (estimated number of Internet users per 100 inhabitants, number of mobile subscriptions per 100 inhabitants, and number of wireless broadband subscriptions per 100 inhabitants).

This replacement was necessary due to the increasing difficulty in collecting reliable data on fixed broadband subscriptions from Member States. The new affordability indicator allows for a more accurate assessment of how easily citizens can financially access ICT services, particularly in relation to their income levels. This improvement was made possible by the recent release from the International Telecommunication Union (ITU) of a comprehensive data set of indicators that measure affordability for all Member States. The change also aligns with past recommendations from expert group meetings and Member States.

Methodologically, affordability was integrated into the TII as a composite of two subindices, mobile broadband data and voice high-consumption basket price and fixed-broadband Internet basket price, expressed as a percentage of gross national income (GNI) for each Member State (see box 1).

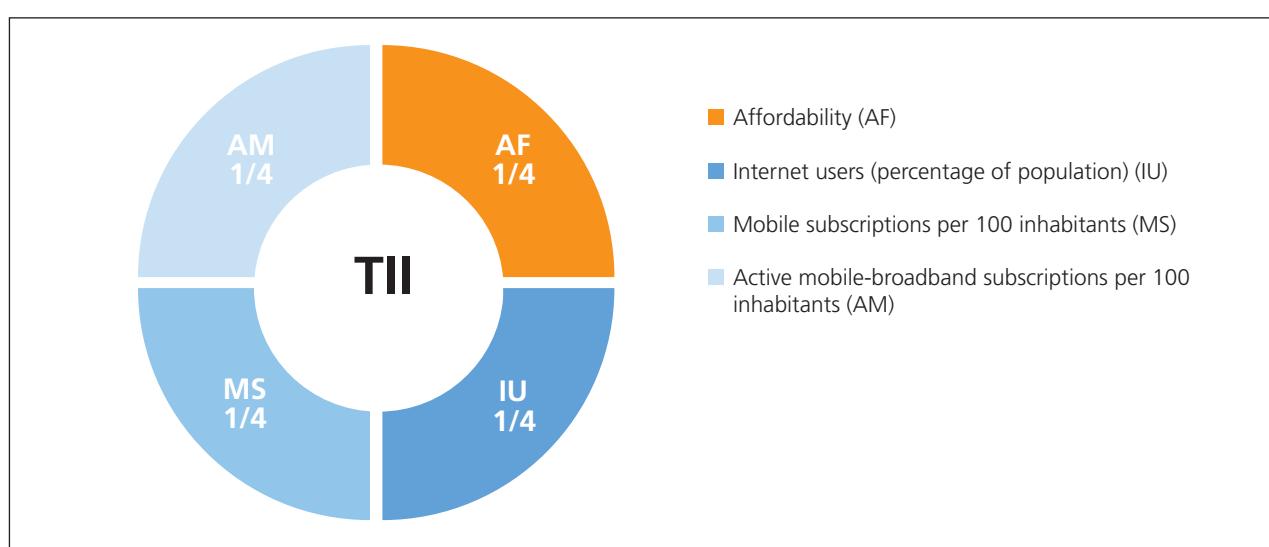
Box 1 Affordability subindices within the TII

- Mobile broadband data and voice high-consumption basket price as a percentage of gross national income (GNI) per capita. This basket refers to the cheapest mobile broadband plan (and add-on) providing at least 2 GB of monthly data using at least 3G technology, 140 minutes of voice, and 70 SMS messages.
- Fixed-broadband Internet basket price as a percentage of GNI per capita. Fixed-broadband (wired) Internet traffic is traffic generated by fixed-broadband subscribers and measured at the end-user access point. Such traffic should be measured by tallying up download and upload traffic; this should exclude wholesale traffic, walled garden, Internet Protocol television (IPTV) and cable TV traffic. The indicator is calculated by dividing fixed-broadband Internet traffic by total fixed-broadband subscriptions.

Source: ITU, Measuring Digital Development: ICT Development Index 2024 (Geneva, 2024). p. 37, available at https://www.itu.int/dms_pub/itu-d/opb/ind/D-IND-ICT_MDD-2024-3-PDF-E.pdf

As in past years, the TII is calculated based on the average composite of four equally weighted subindices (see figure 5). The data for all subindices were sourced from ITU on 14 February 2024.

Figure 5 The four subindices of the Telecommunications Infrastructure Index



When raw data were processed for the TII, the most recently available data from ITU were used to fill in any missing values for the subindices. Following the data standardization methods applied in the previous two E-Government Surveys, a maximum limit of 120 per cent was set for raw data from ITU on mobile/cellular telephone subscriptions and active mobile broadband subscriptions. Upper and lower limits were set for the affordability data to facilitate comparison across countries, while the percentage of Internet users was kept in its original form using the figures provided directly by ITU. Subsequently, a Z-score was calculated for each subindex. The TII composite value was then derived by taking the arithmetic mean of the Z-scores for the four subindices, as follows:

$$\text{Telecommunications Infrastructure Index composite value} = \\ \text{Average (Internet users Zscore} + \text{mobile or cellular telephone subscriptions Zscore} + \\ \text{active mobile broadband subscriptions Zscore} + \text{affordability Zscore}$$

The TII value for each country was then computed by normalizing the TII composite value (taking the composite value for a given country, subtracting the lowest composite value in the same data set, and dividing by the range of composite values for all countries), as follows:

$$\text{TII (Country "X")} = \frac{\text{Composite value (Country X)} - \text{Lowest composite value}}{\text{Highest composite value} - \text{Lowest composite value}}$$

The TII datasets can be accessed in Section 11 of this appendix.

6. Human Capital Index

The HCI is the EGDI component that reflects the human dimension of e-government, underscoring the importance of linking digital government systems to the ability of citizens to utilize them. By assessing literacy rates and other education-related indicators, the HCI gauges a population's readiness to engage with and benefit from e-government initiatives.

For the 2024 Survey, the HCI has been significantly enhanced by the addition of a new subindex – e-government literacy (EGL) – to complement the four existing subindices (see figure 6). The four subindices from the 2022 Survey, all sourced from UNESCO, include adult literacy rate; combined primary, secondary and tertiary gross enrolment ratio; expected years of schooling; and average years of schooling.

The EGL subindex, developed in-house using data from national portal assessments, measures digital literacy skills, which play a crucial role in the effective implementation and utilization of e-government services. As Governments continue to digitalize their operations, the ability people to engage with digital platforms has become increasingly important. EGL goes beyond merely enabling citizens to access online services; it empowers them to participate more fully in digital governance, provide feedback, and engage in civic processes online. By assessing digital literacy levels, Governments can develop tailored digital strategies, identify areas for improvement in user interface design, and develop targeted digital skills training programmes. The incorporation of this indicator provides a more comprehensive view of a country's readiness for and potential to benefit from digital government initiatives (see box 2).

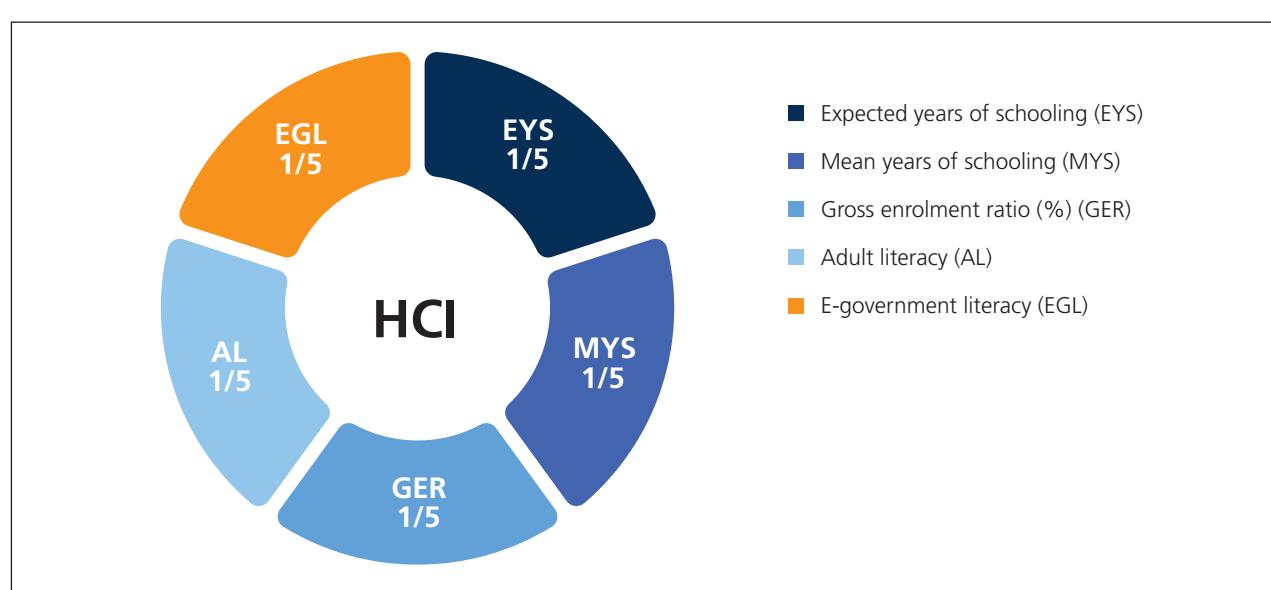
Box 2 E-government literacy

- In its 2024 edition, the United Nations E-Government Survey introduces e-government literacy (EGL) as new area of assessment. As a subindex of the HCI, the EGL measures the ability of all segments of the population, especially vulnerable groups, to take full advantage of available e-government services and e-participation opportunities.
- The EGL measures the level of e-government literacy within a country by assessing key features on government portals.
- EGL features accessed are: Internal search mechanism, Online user support, Social Networking features, Live chat support with a person, Privacy policy, Information on online services use, Digital identity management, Facilitation of free Internet access, Open data metadata, User Guidance, Service Personalization, Co-creation and/or Co-production (In Health, education, social protection, employment, environment and Justice) and Access to physical spaces.

Source: Chapter 1 of the present Survey.

With the improved HCI structure, all five subindices contribute equally to the HCI component, allowing for a more even influence of the indicators; this represents a departure from the HCI weighting approach applied in the 2022 E-Government Survey.

Figure 6 The five subindices of the Human Capital Index



The methodology for calculating this component aligns with the approach employed for the other EGDI components, where each of the five subindices are first standardized using the Z-score procedure. Subsequently, the HCI composite value for country X is derived from the arithmetic mean of the five subindices, with equal weight assigned to each indicator, as follows:

$$\begin{aligned}
 &\text{Human Capital Index composite value} \\
 &= 1/5 \times \text{Adult literacy rate}_{\text{Zscore}} \\
 &+ 1/5 \times \text{Gross enrollment ratio}_{\text{Zscore}} \\
 &+ 1/5 \times \text{Estimated years of schooling}_{\text{Zscore}} \\
 &+ 1/5 \times \text{Mean years of schooling}_{\text{Zscore}} \\
 &+ 1/5 \times \text{E-government literacy}_{\text{Zscore}}
 \end{aligned}$$

The HCI composite value for each country is then normalized by subtracting the lowest composite value among all countries in the Survey from the country's composite value, then dividing the result by the range of composite values across all countries, as follows:

$$\text{Human Capital Index (Country X)} = \frac{\text{Composite value (Country X)} - \text{Lowest composite value}}{\text{Highest composite value} - \text{Lowest composite value}}$$

HCI datasets are available in Section 11 of this appendix.

7. Member States Questionnaire

Consistent with previous editions of the Survey, countries were asked through the Member States Questionnaire (MSQ) to provide the website addresses (URLs) of their national portals as well as those of various government ministries. The Questionnaire requested information on efforts supporting e-government development, open government data, e-participation, and the designated authority responsible for e-government policies. It also included questions relating to institutional and legal frameworks, strategies, policies, and development plans. Since 2022, 155 Member States have submitted the MSQ; a total of 110 countries (representing 57 per cent of the United Nations membership) submitted their responses in 2024.

The 2024 MSQ can be accessed through UN DESA portal at <https://publicadministration.un.org/egovkb>

The MSQs provide valuable insights into policy initiatives and implementation details that may not be immediately apparent from the online portal assessments alone. Robust participation from Member States in completing and submitting the Questionnaire is essential for ensuring the accuracy and richness of the EGDI analysis. The comprehensive collection of data enables a thorough and precise evaluation that reflects the actual progress achieved and challenges faced in the realm of digital government.

Recent surveys have seen a downward shift in MSQ response patterns. This change in participation levels affects the depth and breadth of the contextual information available, which is crucial for ensuring an updated comprehensive analysis of e-government development.

To enhance the accuracy of e-government assessments, it is vital for all Member States to complete and return the MSQ in a timely manner with all the requested information. This comprehensive data collection enables DPIDG to perform a thorough and precise evaluation that reflects the genuine progress achieved and challenges faced in the realm of digital government. Government cooperation and prompt responses are indispensable for achieving a holistic and reliable assessment of global e-government development.

The list of responding countries to Member States Questionnaire (MSQ) is available in Table 20 in section 16 of this appendix.

8. Local Online Services Index

The Local Online Services Index (LOSI) methodology, developed by UN DESA and UNU-EGOV, is designed to assess the effectiveness of local government portals in the most populous cities of 193 UN Member States. The methodology aims to provide a comprehensive understanding of local e-government status, support policy development, and improve e-government services at the local government level. LOSI offers a detailed analysis of how cities are leveraging digital tools to engage citizens and deliver public services.

In addition to assessing current digital infrastructure, the LOSI methodology identifies critical areas for improvement, helping local governments enhance their e-government offerings. By benchmarking the performance of cities, LOSI fosters both competition and collaboration, encouraging local governments to adopt best practices and achieve higher standards in local e-government. The insights gained from these assessments contribute to the global dialogue on effective digital transformation strategies and shape the future direction of local e-government initiatives, ensuring that cities are better equipped to meet the evolving needs of their populations.

8.1 What has changed in the 2024 LOSI?

The LOSI has undergone some revision to ensure that it continues to provide a comprehensive assessment of local e-government trends. The number of indicators increased from 86 assessed in the previous survey to 95 across six key areas: institutional framework, content provision, services provision, participation and engagement, technology, and newly added subindex e-government literacy (see Table 1).

Table 1 LOSI subindices

| | LOSI 2022 indicators | LOSI 2024 indicators |
|------------------------------|----------------------|----------------------|
| Institutional framework | 8 | 5 |
| Content provision | 25 | 30 |
| Services provision | 18 | 30 |
| Participation and engagement | 17 | 10 |
| Technology | 18 | 10 |
| E-government literacy | - | 10 |
| Total | 86 | 95 |

The addition of e-government literacy aligns the LOSI more closely with the OSI (used to assess national portals), ensuring consistency in evaluating digital government services at both the local and national levels. This allows for more in-depth evaluation, emphasizing the importance of digital skills for citizens using online government services. The assessment now examines critical features of government websites, aligning with global trends towards increased inclusivity and the preservation of high technical and accessibility standards.

While the institutional framework dimension remains largely unchanged from 2022, improvements in content and services provision criteria enable a more comprehensive assessment of the online offerings of government agencies. The technology dimension, though streamlined to 10 indicators, continues to focus on key technical aspects such as accessibility, functionality, and adherence to standards. This refined approach keeps pace with global trends towards increased public engagement and digital inclusion, building on 2022 foundations while also introducing new elements to reflect the evolving digital landscape.

8.2 LOSI assessment methodology

The 40 cities surveyed for the 2018 pilot LOSI and the 100 cities surveyed for the 2020 LOSI were selected based on geographical location and population distribution. All of the world regions were equitably represented; the number of countries selected from each region was based on the share of that region's population in the global population. For the 2022 E-Government Survey, it was decided that the most populous city, town, municipality or settlement in each of the 193 Member States would be invited to participate in the LOSI assessment process. This methodology has been applied for the 2024 Survey as well. The selection process relies on data from the most recent United Nations

Demographic Yearbook and The World's Cities Data Booklet, focusing on the population of the "city proper" as the sole criterion. This approach ensures consistency and reproducibility in the research while also focusing on the largest possible "sample size" in assessing the reach of e-government services. It is important to note that population figures are used only for city selection and do not influence the assessment of a city's performance.

For countries relatively small in population or geography such as Monaco, Singapore or small island developing states (SIDS), where people often have a single point of access to government services, the LOSI assessment employs an integrated approach. The methodology evaluates all government digital services from the perspective of the end-user, reflecting the lived experience of residents who interact with a single, unified government structure.

The city portals are assessed using the computation method from the previous Survey to ensure continuity and consistency. The scoring system for each indicator remains binary: a city receives a 1 if the feature is present on its website or a 0 if the feature is absent or not found. Cities can also earn a point for local access by providing a direct link to the relevant national portal. The final LOSI value is calculated by dividing the city's total score to new maximum of 95, yielding a value ranging from 0 to 1.

Although the number of indicators has increased, the LOSI value ranges remain consistent with previous editions. Based on their respective values, cities are categorized into four levels or groups – very high (0.7500 to 1.0000), high (0.5000 to 0.7499), middle (0.2500 to 0.4999), or low (0.0000 to 0.2499). These ranges facilitate the comparison of e-government development levels across different cities and provide a clear benchmark for progress. Cities within the same LOSI group are considered to have comparable levels of local e-government development. This classification provides valuable insights for policymakers, helping them gauge what constitutes good performance and set realistic targets for short-, medium-, and long-term improvement.

For a comprehensive list of the features assessed for the 2024 LOSI, see Table 13 in Section 11 of this Appendix.

8.3 LOSI Network

To further extend the reach and impact of LOSI, UN DESA and UNU-EGOV have established partnerships with various institutions and local governments. These collaborations, formalized through Memoranda of Understanding (MOUs), enable the application of the LOSI methodology to multiple cities within individual countries. This approach has significantly expanded the LOSI network, fostering knowledge sharing and best practices among participating cities. As a result, an increasing number of urban centers are benefiting from the LOSI methodology, using the insights gained to enhance their online services and address common challenges in digital governance.

For information on ongoing and completed projects visit the application of LOSI methodology webpage on UN E-Government Knowledgebase <https://publicadministration.un.org/egovkb/en-us/About/E-Government-at-Local-Level/Application-of-LOSI-methodology-in-countries>.

9. Local Government Questionnaire

For the 2024 E-Government Survey, the Local Government Questionnaire (LGQ) was utilized alongside the LOSI survey to gather supplementary information. Of the 193 most populous cities assessed for the 2024 LOSI, 51 cities completed the LGQ – a response rate of 26.42 per cent. The LGQ used for the present Survey can be accessed at <https://publicadministration.un.org/egovkb>.

The list of responding cities to LGQ is available in Table 21 in section 16 of this appendix.

10. E-Government Survey process workflow

The OSI values for 2024 were calculated based on evaluations performed by 261 online researchers comprising of 215 new volunteers from the United Nations Volunteers programme, 46 returning volunteers from past Surveys, and others recruited through Department of Public Institutions and Digital Government (DPIDG) outreach. These evaluators hailed from 127 different nations and collectively possessed proficiency in 67 languages. They assessed each country's national website using the Survey's Online Services Questionnaire, conducting evaluations in the respective native languages to ensure accuracy. For the full list of online researchers, see table 19 in this appendix.

10.1 Volunteer training and data collection phase

For the 2024 E-Government Survey, volunteers attended introductory sessions before being assigned two pilot tasks simulating the data collection phase. These tasks included one mock OSI assessment and one mock LOSI assessment of e-government portals. Each volunteer researcher received the same set of pilot assignments to facilitate quality control and ensure consistent training across the cohort. To qualify for the data collection phase, participants had to complete and submit the two mock assessments for review.

During the data collection phase, each qualified participant received personalized research assignments tailored to their specific capabilities. These assignments involved conducting OSI and LOSI assessments for one of the 193 United Nations Member States and its most populous city. For each assigned Member State and city, participants conducted independent research into the provision of e-government services. The online presence of each Member State was assessed independently by two researchers proficient in one or more of the official languages of the assessed country.

Researchers relied exclusively on government-affiliated sources and were instructed not to share their findings or research with third parties, including government affiliates of the assessed Member States. The aim was to assess and verify the existence of an extensive set of features and online services relevant to e-government development. Researchers assumed the role of targeted users and based their responses on whether the assessed features were readily accessible to the average user.

10.2 Discrepancy review phase

Following the data collection phase, all submitted assignments underwent a rigorous review process to ensure accuracy and consistency. Initially, the assessment platform conducted an automatic check for discrepancies between the submissions of two volunteers assigned to each country or city. If the discrepancies were below a defined threshold of 20%, the system allowed the two volunteers to dispute and negotiate their findings, working together to reach an agreement. If they could not resolve the differences, the case was escalated to a UN DESA-appointed reviewer for further evaluation. For discrepancies between 20% and 50%, the system automatically flagged the assessment, returning it to both volunteers for reassessment. The volunteers were required to conduct a new evaluation to address and correct the inconsistencies.

Discrepancies exceeding 50% resulted in the automatic disqualification of the assessment. These cases were immediately escalated to the assigned UN DESA reviewer, who conducted further research and decided whether to reassign the assessment to a new pair of volunteers or to a different set of assessors.

Following the initial review by the UN DESA reviewer, assignments were forwarded to a senior UN DESA reviewer for cross-checking, ensuring a thorough final data quality assurance review before approval. This established approach guaranteed that each assignment was conducted by independent, trained researchers equipped with the necessary language skills and an understanding of the social and political context of the assessed Member State. Internal UN DESA experts in e-government

development and online services provision then meticulously reviewed the assignments to prevent any disparities in the assessment process, the introduction of intentional biases, the submission of inaccurate information to improve scores, or even potential fraud.

Throughout this process, UN DESA reviewers played a pivotal role by conducting independent research to verify responses and commissioning additional research from volunteer researchers as necessary to resolve complex issues and discrepancies. This multi-tiered review system was designed to ensure the integrity and reliability of the data used in the E-Government Survey.

10.3 Data quality assurance

The quality assurance process (see Box 3) began with checking the consistency of the data against established historical patterns and group rankings based on the OSI and LOSI values, which measured the scope and quality of online services. The survey questions were then fine-tuned to stabilize the data set and ensure alignment with the EGDI data model.

Following the initial calculation of the OSI and LOSI, outliers were subjected to two or more levels of assessment and supervision. MSQ and LGQ data were utilized for compensation where feasible. The indices were then recalculated, with detailed analysis conducted on target countries and cities showing significant changes or improvements.

Box 3 List of the criteria adopted for data QA

- Three levels of assessments/review (volunteers, UN DESA reviewer, UN DESA senior reviewer)
- First check of consistency of data with data patterns (when doable) by group ranking (OSI/LOSI – VH, H, M, L)
- Fine-tuning of OSI/LOSI questions to stabilize data set and ensure consistency with EGDI/LOSI data model
- Second check of consistency of data with data patterns by group ranking (OSI/LOSI – VH, H, M, L)
- First calculation of OSI/LOSI
- Three levels of assessment/review of the outliers – compensation using MSQ/LGQ (if doable)
- Second calculation of OSI/LOSI
- Investigation and data analysis of target countries/cities (outliers and specific cases with significant drop/improvement)
- Random check of OSI/LOSI subset of questions/URLs – compensation using MSQ/LGQ (if doable)
- Third calculation of OSI/LOSI
- Third check of consistency of data with data patterns by group ranking (OSI/LOSI – VH, H, M, L)
- Check of consistency with other international benchmark reports and third-party sources (MSQ/LGQ)
- Validation of the Dataset for OSI/LOSI
- Recalculation of OSI (final)
- Calculation of EGDI/EPI/LOSI
- Data analysis of target countries (those moving from one group to another)
- Final calculation of EGDI/EPI/LOSI

To further ensure accuracy, a random subset of index questions and URLs were checked, with MSQ and LGQ data used for compensation if needed. A third calculation of the OSI and LOSI followed, along with another consistency check against established data patterns and group rankings.

The process also included cross-referencing with international benchmark reports and third-party sources, with MSQ and LGQ data used to ensure consistency and validate discrepancies. Finally, the OSI and LOSI were recalculated one last time, incorporating all quality assurance measures and adjustments.

This comprehensive approach, featuring multiple review levels, external source cross-referencing, and the strategic use of MSQ and LGQ data, enhanced the overall robustness and reliability of the E-Government survey findings.

10.4 Data analysis

Following the rigorous quality assurance process, E-Government Survey data were subjected to in-depth analysis to extract meaningful insights and pinpoint key trends. This comprehensive analysis involved comparative evaluations across countries, cities, regions, and income groups, facilitating the identification of strengths and areas requiring improvement. The analysis also included comparisons with similar digital government indexes such as the Organization for Economic Co-operation and Development Digital Government Index.

The analysis extended beyond EGDI and other index-related data. Researchers explored correlations with the SDGs to assess the alignment of e-government initiatives with the broader 2030 Agenda framework, recognizing that digital governance is a critical enabler for achieving those global objectives.

This comprehensive approach was crucial as it helped identify potential factors influencing e-government progress in the countries and cities assessed, provided a more holistic view of national and local development, and highlighted areas that might benefit from targeted interventions or policy initiatives.

Trend analysis was also a crucial aspect of the data examination, enabling the identification of cities, countries or regions that had made significant progress or experienced setbacks in their e-government development over time. This longitudinal perspective allowed researchers to evaluate the effectiveness of e-government strategies and policies and to assess the impact of global events or technological advancements on e-government adoption and implementation.

The analysis encompassed both quantitative and qualitative approaches, combining statistical methods with case studies and expert opinions to provide a well-rounded and nuanced understanding of the e-government landscape. The findings from this analysis are presented in the 2024 E-Government Survey and constitute a valuable resource for policymakers, researchers and stakeholders involved in the advancement of e-government initiatives worldwide.

11. Challenges in reviewing the online presence of national and local governments

11.1 Methodology limitations

The EGDI is a powerful tool for assessing and comparing digital government development across the 193 Member States, providing a valuable snapshot of digital government capabilities at the national level. However, because levels of development, geographical characteristics, population dynamics, geopolitical situations, and other relevant factors vary widely from one country to another, the EGDI methodology has some limitations in terms of capturing certain aspects of e-government development.

For example, while the EGDI serves as a valuable proxy for assessing digital government development, it may not fully capture the diverse digital advancements occurring at the State level in large countries with federal systems. In those countries, State governments play a significant role in digital development and the provision of services, and levels of digital maturity may differ across the States. When digital governance is decentralized, the federal-level EGDI assessment may not fully reflect the digital landscape of the entire country.

In some countries, a considerable portion of digital services are set up and provided by the private sector rather than government agencies. The involvement of private entities in establishing and delivering services can skew perceptions of digital government development as a process that primarily falls within the purview of the public sector.

To address these challenges and ensure a comprehensive evaluation, additional resources such as MSQs and recent articles and publications are increasingly being used to check and confirm the quality of the results. This multifaceted approach helps provide a more accurate and nuanced understanding of digital government development worldwide.

Periodically, updates to the methodology introduce changes that could affect the direct comparability of current assessments with previous assessments. This is important not only because it affects the measurement of progress, but also because a decline in value or ranking does not necessarily indicate a decline in performance.

11.2 Multiple channels for public services delivery and the rapid evolution of digital technologies

In today's digital landscape, Governments utilize a wide range of channels to connect with citizens and provide public services, including websites, mobile applications, social media platforms, messaging apps, digital identification systems, and emerging technologies such as AI chatbots and IoT devices. This diversity, while beneficial for engagement, presents significant challenges for the comprehensive assessment of e-government. Each channel comes with unique features and capabilities, necessitating tailored evaluation criteria and ad hoc approaches for the researchers.

The EGDI methodology has been updated in every edition to better address emerging challenges and priorities. However, the evolution of digital technologies and the integration of new platforms and services are occurring so rapidly that the assessment framework may not be able to keep pace with these developments and accurately measure the most advanced features of digital government. Consequently, the EGDI may not fully reflect the progress made, especially by countries implementing initiatives that integrate the newest technologies or approaches to public services delivery. To mitigate these limitations, indirect assessment methods are also employed. These include analysing (when available) MSQ-related data and documentation, service usage statistics, and third-party evaluations, which can provide additional insights into the effectiveness and reach of digital government services. These methods can offer valuable supplementary policy information and implementation details, though they may not fully capture the nuanced capabilities and innovative features of the most cutting-edge digital government platforms.

The EGDI remains a crucial tool for assessing e-government development, but it must continue to evolve and incorporate new evaluation strategies so that it accurately reflects the dynamic digital landscape. Ongoing refinement is essential to ensure that the Index provides a holistic and accurate measure of e-government progress, capturing both established and emerging technologies in its scope.

11.3 Measuring e-participation

Assessing engagement on national portals presents unique challenges in e-government evaluation, particularly when web analytics are not part of the assessment methodology. Without access to traditional metrics such as page views or user session data, evaluators must rely on alternative methods to gauge citizen engagement and portal effectiveness.

The main challenge lies in accurately determining how well the portal meets people's needs, facilitates services delivery, and promotes interaction with government entities. Evaluators must focus on observable features, content quality, and the availability of services rather than direct user interaction data. Additionally, with the diverse range of services offered through these portals – from information provision to complex application processes – engagement potential can vary significantly across different sections of the site.

12. EGDI 2024 Datasets

Table 2 Regional groupings for E-Government Development Index (EGDI) and E-Participation

| Regional/Grouping | EGDI Group | EGDI | Online Service Index | Telecommunications Infrastructure Index | Human Capital Index | E-Participation Index |
|----------------------------------|--------------------------------|-----------|----------------------|---|---------------------|-----------------------|
| Africa | Middle EGDI | 0.4247 | 0.3861 | 0.4534 | 0.4345 | 0.2973 |
| | High EGDI | 0.6701 | 0.5797 | 0.7344 | 0.6961 | 0.4735 |
| Asia | High EGDI | 0.6989 | 0.6400 | 0.7739 | 0.6828 | 0.5403 |
| | Very High EGDI | 0.8493 | 0.7835 | 0.9226 | 0.8417 | 0.7247 |
| Oceania | High EGDI | 0.5288 | 0.4377 | 0.4885 | 0.6603 | 0.3747 |
| World | High EGDI | 0.6382 | 0.5754 | 0.6896 | 0.6496 | 0.4893 |
| | Small Island Developing States | High EGDI | 0.5412 | 0.4075 | 0.5931 | 0.6229 |
| Land Locked Developing Countries | High EGDI | 0.5159 | 0.4910 | 0.5377 | 0.5190 | 0.3999 |
| | Middle EGDI | 0.3547 | 0.3321 | 0.3539 | 0.3781 | 0.2620 |

Table 2.1 E-Government Development Index (EGDI) and E-Participation for Africa region

| Country | Sub-Region | EGDI Group | Rating Class | Rank | EGDI 2024 | OSI | TII | HCI | EPI | "Level of Income" |
|----------------------------------|-----------------|-------------|--------------|------|-----------|--------|--------|--------|--------|-------------------|
| Algeria | Northern Africa | High EGDI | H2 | 116 | 0.5956 | 0.3320 | 0.8129 | 0.6418 | 0.0548 | LMC |
| Angola | Middle Africa | Middle EGDI | M3 | 156 | 0.4149 | 0.3962 | 0.3724 | 0.4760 | 0.2192 | LMC |
| Benin | Western Africa | Middle EGDI | MH | 146 | 0.4578 | 0.5202 | 0.4817 | 0.3715 | 0.3699 | LMC |
| Botswana | Southern Africa | High EGDI | H2 | 112 | 0.6118 | 0.3985 | 0.8649 | 0.5719 | 0.274 | UMC |
| Burkina Faso | Western Africa | Middle EGDI | M1 | 175 | 0.2895 | 0.3376 | 0.3640 | 0.1668 | 0.2192 | LIC |
| Burundi | Eastern Africa | Low EGDI | LM | 183 | 0.2480 | 0.3146 | 0.0330 | 0.3965 | 0.2192 | LIC |
| Cabo Verde | Western Africa | High EGDI | H2 | 111 | 0.6238 | 0.6392 | 0.6128 | 0.5694 | 0.5479 | LMC |
| Cameroon | Middle Africa | Middle EGDI | M3 | 155 | 0.4294 | 0.3988 | 0.3700 | 0.5193 | 0.4247 | LMC |
| Central African Republic | Middle Africa | Low EGDI | L1 | 193 | 0.0947 | 0.1128 | 0.0000 | 0.1713 | 0.0822 | LIC |
| Chad | Middle Africa | Low EGDI | L2 | 189 | 0.1785 | 0.2674 | 0.1194 | 0.1488 | 0.3151 | LIC |
| Comoros | Eastern Africa | Middle EGDI | M1 | 180 | 0.2586 | 0.0230 | 0.3537 | 0.3992 | 0 | LMC |
| Congo | Middle Africa | Middle EGDI | M2 | 166 | 0.3391 | 0.2760 | 0.2776 | 0.4637 | 0.0822 | LMC |
| Côte d'Ivoire | Western Africa | High EGDI | H1 | 124 | 0.5587 | 0.5219 | 0.6693 | 0.4848 | 0.589 | LMC |
| Democratic Republic of the Congo | Middle Africa | Middle EGDI | M1 | 179 | 0.2715 | 0.2067 | 0.1591 | 0.4487 | 0.2466 | LIC |
| Djibouti | Eastern Africa | Middle EGDI | M1 | 174 | 0.2911 | 0.2092 | 0.3840 | 0.2800 | 0.0959 | LMC |
| Egypt | Northern Africa | High EGDI | H3 | 95 | 0.6699 | 0.7002 | 0.6946 | 0.6150 | 0.589 | LMC |
| Equatorial Guinea | Middle Africa | Middle EGDI | M1 | 176 | 0.2855 | 0.1932 | 0.2532 | 0.4102 | 0.2329 | UMC |
| Eritrea | Eastern Africa | Low EGDI | L2 | 190 | 0.1576 | 0.0000 | 0.1405 | 0.3324 | 0.0137 | LIC |
| Eswatini | Southern Africa | High EGDI | H2 | 113 | 0.6081 | 0.4557 | 0.7851 | 0.5836 | 0.3836 | LMC |
| Ethiopia | Eastern Africa | Middle EGDI | M2 | 169 | 0.3111 | 0.3420 | 0.2659 | 0.3254 | 0.1644 | LIC |
| Gabon | Middle Africa | High EGDI | H2 | 121 | 0.5741 | 0.3187 | 0.8263 | 0.5772 | 0.1233 | UMC |
| Gambia | Western Africa | Middle EGDI | M1 | 181 | 0.2552 | 0.0955 | 0.3877 | 0.2823 | 0.1781 | LIC |
| Ghana | Western Africa | High EGDI | H2 | 108 | 0.6317 | 0.6084 | 0.7281 | 0.5586 | 0.5342 | LMC |
| Guinea | Western Africa | Middle EGDI | M2 | 160 | 0.4006 | 0.4808 | 0.4323 | 0.2887 | 0.5068 | LMC |
| Guinea-Bissau | Western Africa | Middle EGDI | M2 | 170 | 0.3083 | 0.1270 | 0.4902 | 0.3077 | 0.2192 | LIC |
| Kenya | Eastern Africa | High EGDI | H2 | 109 | 0.6314 | 0.7770 | 0.5901 | 0.5271 | 0.5205 | LMC |
| Lesotho | Southern Africa | Middle EGDI | M3 | 157 | 0.4123 | 0.2864 | 0.4643 | 0.4862 | 0.2055 | LMC |

Table 2.1 (continued)

| Country | Sub-Region | EGDI Group | Rating Class | Rank | EGDI 2024 | OSI | TII | HCI | EPI | "Level of Income" |
|-----------------------------|-----------------|----------------|--------------|------|-----------|--------|--------|--------|--------|-------------------|
| Liberia | Western Africa | Middle EGDI | M1 | 182 | 0.2513 | 0.2633 | 0.1238 | 0.3669 | 0.1644 | LIC |
| Libya | Northern Africa | High EGDI | H1 | 125 | 0.5466 | 0.0808 | 0.9639 | 0.5951 | 0.0137 | UMC |
| Madagascar | Eastern Africa | Middle EGDI | M2 | 168 | 0.3235 | 0.4045 | 0.1518 | 0.4141 | 0.3014 | LIC |
| Malawi | Eastern Africa | Middle EGDI | M2 | 163 | 0.3753 | 0.4625 | 0.1886 | 0.4749 | 0.4521 | LIC |
| Mali | Western Africa | Middle EGDI | M1 | 173 | 0.3005 | 0.3334 | 0.4432 | 0.1250 | 0.274 | LIC |
| Mauritania | Western Africa | Middle EGDI | M2 | 165 | 0.3491 | 0.1688 | 0.5824 | 0.2961 | 0.1233 | LMC |
| Mauritius | Eastern Africa | Very High EGDI | V1 | 76 | 0.7506 | 0.5903 | 0.9159 | 0.7456 | 0.411 | UMC |
| Morocco | Northern Africa | High EGDI | HV | 90 | 0.6841 | 0.5618 | 0.8827 | 0.6078 | 0.4384 | LMC |
| Mozambique | Eastern Africa | Middle EGDI | M1 | 177 | 0.2848 | 0.3959 | 0.0632 | 0.3952 | 0.2055 | LIC |
| Namibia | Southern Africa | High EGDI | H2 | 114 | 0.6007 | 0.4996 | 0.7288 | 0.5738 | 0.274 | UMC |
| Niger | Western Africa | Low EGDI | L3 | 187 | 0.2116 | 0.3084 | 0.1578 | 0.1685 | 0.2055 | LIC |
| Nigeria | Western Africa | Middle EGDI | MH | 144 | 0.4815 | 0.5372 | 0.4836 | 0.4236 | 0.3699 | LMC |
| Rwanda | Eastern Africa | High EGDI | H2 | 118 | 0.5799 | 0.8207 | 0.3724 | 0.5467 | 0.7534 | LIC |
| Sao Tome and Principe | Middle Africa | Middle EGDI | M3 | 154 | 0.4308 | 0.2156 | 0.4839 | 0.5928 | 0.1644 | LMC |
| Senegal | Western Africa | High EGDI | H1 | 135 | 0.5162 | 0.4779 | 0.7328 | 0.3380 | 0.4247 | LMC |
| Seychelles | Eastern Africa | High EGDI | H3 | 92 | 0.6773 | 0.4638 | 0.8913 | 0.6769 | 0.3014 | HIC |
| Sierra Leone | Western Africa | Middle EGDI | M1 | 172 | 0.3042 | 0.3823 | 0.2585 | 0.2718 | 0.3288 | LIC |
| Somalia | Eastern Africa | Low EGDI | L1 | 191 | 0.1468 | 0.2971 | 0.1432 | 0.0000 | 0.2877 | LIC |
| South Africa | Southern Africa | Very High EGDI | V2 | 40 | 0.8616 | 0.8872 | 0.8951 | 0.8026 | 0.8356 | UMC |
| South Sudan | Eastern Africa | Low EGDI | L1 | 192 | 0.1191 | 0.1504 | 0.0547 | 0.1521 | 0.1096 | LIC |
| Sudan | Northern Africa | Middle EGDI | M1 | 178 | 0.2759 | 0.1293 | 0.4392 | 0.2593 | 0.0685 | LIC |
| Togo | Western Africa | Middle EGDI | M2 | 161 | 0.3920 | 0.4472 | 0.2474 | 0.4813 | 0.4521 | LIC |
| Tunisia | Northern Africa | High EGDI | HV | 87 | 0.6935 | 0.5951 | 0.8357 | 0.6497 | 0.4521 | LMC |
| Uganda | Eastern Africa | Middle EGDI | M3 | 150 | 0.4464 | 0.6069 | 0.2299 | 0.5023 | 0.4384 | LIC |
| United Republic of Tanzania | Eastern Africa | Middle EGDI | M3 | 153 | 0.4327 | 0.4791 | 0.3792 | 0.4399 | 0.2877 | LMC |
| Zambia | Eastern Africa | High EGDI | H1 | 130 | 0.5424 | 0.4958 | 0.5088 | 0.6225 | 0.411 | LMC |
| Zimbabwe | Eastern Africa | Middle EGDI | M3 | 149 | 0.4481 | 0.4100 | 0.3947 | 0.5395 | 0.274 | LMC |

Table 2.2 E-Government Development Index (EGDI) and E-Participation for Americas region

| Country | Sub-Region | DG1 Group | Rating Class | Rank | EGDI 2024 | OSI | TII | HCI | EPI | "Level of Income" |
|---------------------|------------------|----------------|--------------|------|-----------|--------|--------|--------|--------|-------------------|
| Antigua and Barbuda | Caribbean | High EGDI | H3 | 105 | 0.6428 | 0.4166 | 0.7943 | 0.7776 | 0.3425 | HIC |
| Argentina | South America | Very High EGDI | V2 | 42 | 0.8573 | 0.7965 | 0.8425 | 0.9330 | 0.6301 | UMC |
| Bahamas | Caribbean | High EGDI | HV | 83 | 0.7143 | 0.5402 | 0.8652 | 0.7376 | 0.3151 | HIC |
| Barbados | Caribbean | High EGDI | H3 | 91 | 0.6815 | 0.4976 | 0.7624 | 0.7845 | 0.3288 | HIC |
| Belize | Central America | Middle EGDI | MH | 141 | 0.4872 | 0.4054 | 0.5292 | 0.5270 | 0.2329 | UMC |
| Bolivia | South America | High EGDI | H3 | 99 | 0.6651 | 0.5987 | 0.7089 | 0.6876 | 0.4247 | LMC |
| Brazil | South America | Very High EGDI | V2 | 50 | 0.8403 | 0.9063 | 0.8068 | 0.8077 | 0.863 | UMC |
| Canada | Northern America | Very High EGDI | V2 | 47 | 0.8452 | 0.8552 | 0.8078 | 0.8725 | 0.9178 | HIC |
| Chile | South America | Very High EGDI | V3 | 31 | 0.8827 | 0.8612 | 0.9455 | 0.8413 | 0.8356 | HIC |
| Colombia | South America | Very High EGDI | V1 | 68 | 0.7793 | 0.7521 | 0.8065 | 0.7793 | 0.7397 | UMC |
| Costa Rica | Central America | Very High EGDI | V1 | 61 | 0.8009 | 0.7217 | 0.8933 | 0.7877 | 0.726 | UMC |
| Cuba | Caribbean | Middle EGDI | MH | 139 | 0.4921 | 0.2298 | 0.5318 | 0.7148 | 0.9178 | UMC |
| Dominica | Caribbean | High EGDI | H1 | 127 | 0.5445 | 0.3798 | 0.6757 | 0.5781 | 0.3014 | UMC |
| Dominican Republic | Caribbean | High EGDI | HV | 85 | 0.7013 | 0.6405 | 0.7444 | 0.7189 | 0.6575 | UMC |
| Ecuador | South America | Very High EGDI | V1 | 67 | 0.7800 | 0.8851 | 0.6833 | 0.7715 | 0.8767 | UMC |
| El Salvador | Central America | High EGDI | H2 | 115 | 0.5988 | 0.509 | 0.7526 | 0.5348 | 0.3836 | UMC |
| Grenada | Caribbean | High EGDI | H3 | 104 | 0.6458 | 0.5056 | 0.6767 | 0.7550 | 0.2466 | UMC |
| Guatemala | Central America | High EGDI | H2 | 122 | 0.5738 | 0.6538 | 0.5843 | 0.4834 | 0.4658 | UMC |
| Guyana | South America | High EGDI | H1 | 128 | 0.5443 | 0.3455 | 0.6942 | 0.5933 | 0.2192 | HIC |
| Haiti | Caribbean | Low EGDI | L3 | 186 | 0.2116 | 0.1379 | 0.2087 | 0.2883 | 0.0959 | LMC |
| Honduras | Central America | Middle EGDI | MH | 142 | 0.4856 | 0.4587 | 0.4799 | 0.5182 | 0.3014 | LMC |
| Jamaica | Caribbean | High EGDI | H3 | 96 | 0.6678 | 0.5677 | 0.7296 | 0.7060 | 0.4384 | UMC |
| Mexico | Central America | Very High EGDI | V1 | 65 | 0.7850 | 0.7637 | 0.831 | 0.7603 | 0.7397 | UMC |
| Nicaragua | Central America | High EGDI | H1 | 132 | 0.5318 | 0.4493 | 0.5851 | 0.5610 | 0.2329 | LMC |
| Panama | Central America | High EGDI | HV | 79 | 0.7298 | 0.6505 | 0.8523 | 0.6866 | 0.5205 | HIC |
| Paraguay | South America | High EGDI | HV | 80 | 0.7251 | 0.6712 | 0.7947 | 0.7093 | 0.6027 | UMC |

Table 2.2 (continued)

| Country | Sub-Region | EGDI Group | Rating Class | Rank | EGDI 2024 | OSI | TII | HCI | EPI | "Level of Income" |
|-----------------------------------|------------------|----------------|--------------|------|-----------|--------|--------|--------|--------|-------------------|
| Peru | South America | Very High EGDI | V1 | 58 | 0.8070 | 0.8377 | 0.8364 | 0.7469 | 0.7534 | UMC |
| Saint Kitts and Nevis | Caribbean | High EGDI | H2 | 110 | 0.6305 | 0.3039 | 0.8675 | 0.7202 | 0.2055 | HIC |
| Saint Lucia | Caribbean | High EGDI | H1 | 133 | 0.5255 | 0.3229 | 0.6498 | 0.6037 | 0.137 | UMC |
| Saint Vincent and the Grenadines | Caribbean | High EGDI | H2 | 117 | 0.5876 | 0.3906 | 0.6767 | 0.6956 | 0.3425 | UMC |
| Suriname | South America | High EGDI | H3 | 106 | 0.6365 | 0.4814 | 0.8714 | 0.5568 | 0.2877 | UMC |
| Trinidad and Tobago | Caribbean | High EGDI | HV | 86 | 0.6973 | 0.5999 | 0.7745 | 0.7174 | 0.3288 | HIC |
| United States of America | Northern America | Very High EGDI | V3 | 19 | 0.9194 | 0.9136 | 0.9605 | 0.8842 | 0.9452 | HIC |
| Uruguay | South America | Very High EGDI | V3 | 25 | 0.9006 | 0.8832 | 0.9437 | 0.8749 | 0.863 | HIC |
| Venezuela, Bolivarian Republic of | South America | High EGDI | H1 | 131 | 0.5360 | 0.3576 | 0.5339 | 0.7115 | 0.2192 | LMC |

Table 2.3 E-Government Development Index (EGDI) and E-Participation for Asia region

| Country | Sub-Region | EGDI Group | Rating Class | Rank | EGDI 2024 | OSI | TII | HCI | EPI | "Level of Income" |
|---------------------------------------|--------------------|----------------|--------------|------|-----------|--------|--------|--------|--------|-------------------|
| Afghanistan | Southern Asia | Low EGDI | L2 | 188 | 0.2083 | 0.1438 | 0.2167 | 0.2643 | 0.1096 | LIC |
| Armenia | Western Asia | Very High EGDI | V2 | 48 | 0.8422 | 0.7922 | 0.8782 | 0.8561 | 0.8493 | UMC |
| Azerbaijan | Western Asia | Very High EGDI | V1 | 74 | 0.7607 | 0.7386 | 0.8203 | 0.7233 | 0.4932 | UMC |
| Bahrain | Western Asia | Very High EGDI | VH | 18 | 0.9196 | 0.903 | 0.9877 | 0.8680 | 0.9041 | HIC |
| Bangladesh | Southern Asia | High EGDI | H3 | 100 | 0.6570 | 0.7374 | 0.6501 | 0.5834 | 0.6164 | LMC |
| Bhutan | Southern Asia | High EGDI | H3 | 103 | 0.6511 | 0.5886 | 0.8169 | 0.5478 | 0.4932 | LMC |
| Brunei Darussalam | South-Eastern Asia | Very High EGDI | V1 | 75 | 0.7554 | 0.5802 | 0.9868 | 0.6991 | 0.4658 | HIC |
| Cambodia | South-Eastern Asia | High EGDI | H2 | 120 | 0.5754 | 0.4503 | 0.7609 | 0.5149 | 0.3151 | LMC |
| China | Eastern Asia | Very High EGDI | V3 | 35 | 0.8718 | 0.9258 | 0.8995 | 0.7902 | 0.9315 | UMC |
| Cyprus | Western Asia | Very High EGDI | V2 | 38 | 0.8619 | 0.8217 | 0.8941 | 0.8698 | 0.0548 | HIC |
| Democratic People's Republic of Korea | Eastern Asia | Low EGDI | L3 | 184 | 0.2320 | 0.0291 | 0.1745 | 0.4924 | 0 | LIC |
| Georgia | Western Asia | Very High EGDI | V1 | 69 | 0.7792 | 0.5652 | 0.9071 | 0.8654 | 0.5616 | UMC |
| India | Southern Asia | High EGDI | H3 | 97 | 0.6678 | 0.8184 | 0.57 | 0.6149 | 0.6575 | LMC |
| Indonesia | South-Eastern Asia | Very High EGDI | V1 | 64 | 0.7991 | 0.8035 | 0.8645 | 0.7293 | 0.7945 | UMC |
| Iran (Islamic Republic of) | Southern Asia | High EGDI | H3 | 101 | 0.6564 | 0.3773 | 0.8987 | 0.6932 | 0.1781 | LMC |
| Iraq | Western Asia | Middle EGDI | MH | 148 | 0.4572 | 0.1875 | 0.6874 | 0.4967 | 0.0959 | UMC |
| Israel | Western Asia | Very High EGDI | V3 | 23 | 0.9014 | 0.8541 | 0.9763 | 0.8739 | 0.6986 | HIC |
| Japan | Eastern Asia | Very High EGDI | VH | 13 | 0.9351 | 0.9427 | 0.9509 | 0.9117 | 0.9863 | HIC |
| Jordan | Western Asia | High EGDI | HV | 89 | 0.6849 | 0.7591 | 0.6499 | 0.6458 | 0.6164 | LMC |
| Kazakhstan | Central Asia | Very High EGDI | V3 | 24 | 0.9009 | 0.939 | 0.9235 | 0.8403 | 0.8493 | UMC |
| Kuwait | Western Asia | Very High EGDI | V1 | 66 | 0.7812 | 0.6365 | 0.9988 | 0.7083 | 0.3014 | HIC |
| Kyrgyzstan | Central Asia | High EGDI | HV | 78 | 0.7316 | 0.6072 | 0.8815 | 0.7061 | 0.4658 | LMC |
| Lao People's Democratic Republic | South-Eastern Asia | Middle EGDI | M3 | 152 | 0.4404 | 0.3265 | 0.5338 | 0.4608 | 0.2877 | LMC |
| Lebanon | Western Asia | High EGDI | H1 | 126 | 0.5449 | 0.4489 | 0.6425 | 0.5433 | 0.4658 | LMC |
| Malaysia | South-Eastern Asia | Very High EGDI | V1 | 57 | 0.8111 | 0.728 | 0.9862 | 0.7192 | 0.6986 | UMC |

Table 2.3 (continued)

| Country | Sub-Region | EGDI Group | Rating Class | Rank | EGDI 2024 | OSI | TII | HCI | EPI | "Level of Income" |
|----------------------|--------------------|----------------|--------------|------|-----------|--------|--------|--------|--------|-------------------|
| Maldives | Southern Asia | High EGDI | H3 | 94 | 0.6745 | 0.622 | 0.7886 | 0.6130 | 0.4795 | UMC |
| Mongolia | Eastern Asia | Very High EGDI | V2 | 46 | 0.8457 | 0.8222 | 0.9374 | 0.7775 | 0.7808 | LMC |
| Myanmar | South-Eastern Asia | High EGDI | H1 | 138 | 0.5001 | 0.3259 | 0.6662 | 0.5081 | 0.1644 | LMC |
| Nepal | Southern Asia | High EGDI | H2 | 119 | 0.5781 | 0.4481 | 0.7653 | 0.5210 | 0.2192 | LMC |
| Oman | Western Asia | Very High EGDI | V2 | 41 | 0.8576 | 0.8077 | 0.9674 | 0.7977 | 0.6575 | HIC |
| Pakistan | Southern Asia | High EGDI | H1 | 136 | 0.5096 | 0.7042 | 0.4745 | 0.3500 | 0.4932 | LMC |
| Philippines | South-Eastern Asia | Very High EGDI | V1 | 73 | 0.7621 | 0.8054 | 0.7554 | 0.7256 | 0.726 | LMC |
| Qatar | Western Asia | Very High EGDI | V2 | 53 | 0.8244 | 0.7655 | 0.9963 | 0.7114 | 0.4795 | HIC |
| Republic of Korea | Eastern Asia | Very High EGDI | VH | 4 | 0.9679 | 1 | 0.9917 | 0.9120 | 0.9726 | HIC |
| Saudi Arabia | Western Asia | Very High EGDI | VH | 6 | 0.9602 | 0.9899 | 0.9841 | 0.9067 | 0.9589 | HIC |
| Singapore | South-Eastern Asia | Very High EGDI | VH | 3 | 0.9691 | 0.9831 | 0.9881 | 0.9362 | 0.9589 | HIC |
| Sri Lanka | Southern Asia | High EGDI | H3 | 98 | 0.66667 | 0.5494 | 0.7936 | 0.6570 | 0.411 | LMC |
| Syrian Arab Republic | Western Asia | Middle EGDI | M2 | 162 | 0.38888 | 0.3068 | 0.4426 | 0.4169 | 0.0685 | LIC |
| Tajikistan | Central Asia | High EGDI | H1 | 123 | 0.5606 | 0.4476 | 0.581 | 0.6531 | 0.274 | LMC |
| Thailand | South-Eastern Asia | Very High EGDI | V2 | 52 | 0.8351 | 0.7611 | 0.941 | 0.8032 | 0.7534 | UMC |
| Timor-Leste | South-Eastern Asia | Middle EGDI | M3 | 159 | 0.4020 | 0.3406 | 0.3551 | 0.5104 | 0.3288 | LMC |
| Türkiye | Western Asia | Very High EGDI | V3 | 27 | 0.8913 | 0.9225 | 0.8322 | 0.9192 | 0.863 | UMC |
| Turkmenistan | Central Asia | Middle EGDI | MH | 145 | 0.4757 | 0.2506 | 0.5151 | 0.6614 | 0.0411 | UMC |
| United Arab Emirates | Western Asia | Very High EGDI | VH | 11 | 0.9533 | 0.9163 | 1 | 0.9436 | 0.7808 | HIC |
| Uzbekistan | Central Asia | Very High EGDI | V1 | 63 | 0.7999 | 0.7648 | 0.8769 | 0.7580 | 0.6986 | LMC |
| Viet Nam | South-Eastern Asia | Very High EGDI | V1 | 71 | 0.7709 | 0.7081 | 0.878 | 0.7267 | 0.6027 | LMC |
| Yemen | Western Asia | Low EGDI | L3 | 185 | 0.2317 | 0.1377 | 0.2905 | 0.2670 | 0.1507 | LIC |

Table 2.4 E-Government Development Index (EGDI) and E-Participation for Europe region

| Country | Sub-Region | EGDI Group | Rating Class | Rank | EGDI 2024 | OSI | TII | HCI | EPI | "Level of Income" |
|------------------------|-----------------|----------------|--------------|------|-----------|--------|--------|--------|--------|-------------------|
| Albania | Southern Europe | Very High EGDI | V1 | 62 | 0.8000 | 0.8144 | 0.7750 | 0.8106 | 0.7260 | UMC |
| Andorra | Southern Europe | High EGDI | HV | 88 | 0.6893 | 0.4780 | 0.9231 | 0.6668 | 0.5479 | HIC |
| Austria | Western Europe | Very High EGDI | V3 | 22 | 0.9065 | 0.8383 | 0.9810 | 0.9003 | 0.7808 | HIC |
| Belarus | Eastern Europe | High EGDI | HV | 77 | 0.7445 | 0.5760 | 0.9156 | 0.7419 | 0.4932 | UMC |
| Belgium | Western Europe | Very High EGDI | V2 | 56 | 0.8121 | 0.7224 | 0.8698 | 0.8442 | 0.5068 | HIC |
| Bosnia and Herzegovina | Southern Europe | High EGDI | H2 | 107 | 0.6329 | 0.5003 | 0.7763 | 0.6222 | 0.5479 | UMC |
| Bulgaria | Eastern Europe | Very High EGDI | V2 | 55 | 0.8145 | 0.7727 | 0.9171 | 0.7538 | 0.6712 | UMC |
| Croatia | Southern Europe | Very High EGDI | V3 | 32 | 0.8818 | 0.8735 | 0.9180 | 0.8538 | 0.4110 | HIC |
| Czechia | Eastern Europe | Very High EGDI | V2 | 54 | 0.8239 | 0.7006 | 0.9204 | 0.8508 | 0.6986 | HIC |
| Denmark | Northern Europe | Very High EGDI | VH | 1 | 0.9847 | 0.9992 | 0.9966 | 0.9584 | 0.9863 | HIC |
| Estonia | Northern Europe | Very High EGDI | VH | 2 | 0.9727 | 0.9954 | 0.9731 | 0.9497 | 0.9589 | HIC |
| Finland | Northern Europe | Very High EGDI | VH | 9 | 0.9575 | 0.9097 | 0.9791 | 0.9836 | 0.8904 | HIC |
| France | Western Europe | Very High EGDI | V3 | 34 | 0.8744 | 0.8440 | 0.9228 | 0.8565 | 0.8082 | HIC |
| Germany | Western Europe | Very High EGDI | VH | 12 | 0.9382 | 0.9238 | 0.9236 | 0.9672 | 0.9726 | HIC |
| Greece | Southern Europe | Very High EGDI | V3 | 36 | 0.8674 | 0.8145 | 0.8657 | 0.9219 | 0.6712 | HIC |
| Hungary | Eastern Europe | Very High EGDI | V1 | 59 | 0.8043 | 0.7144 | 0.8282 | 0.8703 | 0.5479 | HIC |
| Iceland | Northern Europe | Very High EGDI | VH | 5 | 0.9671 | 0.9076 | 0.9983 | 0.9953 | 0.9589 | HIC |
| Ireland | Northern Europe | Very High EGDI | V3 | 20 | 0.9138 | 0.8768 | 0.9599 | 0.9046 | 0.9178 | HIC |
| Italy | Southern Europe | Very High EGDI | V2 | 51 | 0.8356 | 0.7624 | 0.9017 | 0.8426 | 0.6575 | HIC |
| Latvia | Northern Europe | Very High EGDI | V3 | 29 | 0.8852 | 0.8092 | 0.9660 | 0.8805 | 0.7808 | HIC |
| Liechtenstein | Western Europe | Very High EGDI | V2 | 44 | 0.8528 | 0.7416 | 0.9906 | 0.8263 | 0.6575 | HIC |
| Lithuania | Northern Europe | Very High EGDI | V3 | 21 | 0.9110 | 0.8839 | 0.9631 | 0.8861 | 0.8356 | HIC |
| Luxembourg | Western Europe | Very High EGDI | V2 | 45 | 0.8466 | 0.7555 | 0.9888 | 0.7955 | 0.6301 | HIC |
| Malta | Southern Europe | Very High EGDI | V3 | 28 | 0.8886 | 0.8749 | 0.9747 | 0.8162 | 0.7397 | HIC |
| Monaco | Western Europe | High EGDI | HV | 82 | 0.7175 | 0.4838 | 0.9171 | 0.7515 | 0.1507 | HIC |

Table 2.4 (continued)

| Country | Sub-Region | EGDI Group | Rating Class | Rank | EGDI 2024 | OSI | TII | HCI | EPI | "Level of Income" |
|--|-----------------|----------------|--------------|------|-----------|--------|--------|--------|--------|-------------------|
| Montenegro | Southern Europe | High EGDI | HV | 81 | 0.7211 | 0.5214 | 0.9229 | 0.7190 | 0.5068 | UMC |
| Netherlands | Western Europe | Very High EGDI | VH | 10 | 0.9538 | 0.9212 | 0.9715 | 0.9688 | 0.9315 | HIC |
| North Macedonia | Southern Europe | High EGDI | HV | 84 | 0.7070 | 0.6642 | 0.7546 | 0.7023 | 0.5753 | UMC |
| Norway | Northern Europe | Very High EGDI | VH | 15 | 0.9315 | 0.9117 | 0.9654 | 0.9175 | 0.8630 | HIC |
| Poland | Eastern Europe | Very High EGDI | V3 | 37 | 0.8648 | 0.8037 | 0.9603 | 0.8304 | 0.7534 | HIC |
| Portugal | Southern Europe | Very High EGDI | V2 | 49 | 0.8415 | 0.7878 | 0.8979 | 0.8389 | 0.6438 | HIC |
| Republic of Moldova | Eastern Europe | Very High EGDI | V1 | 70 | 0.7719 | 0.7264 | 0.8118 | 0.7776 | 0.7260 | UMC |
| Romania | Eastern Europe | Very High EGDI | V1 | 72 | 0.7636 | 0.6548 | 0.8922 | 0.7439 | 0.6849 | HIC |
| Russian Federation | Eastern Europe | Very High EGDI | V2 | 43 | 0.8532 | 0.7766 | 0.9512 | 0.8319 | 0.6438 | UMC |
| San Marino | Southern Europe | High EGDI | H3 | 102 | 0.6551 | 0.3575 | 0.9491 | 0.6587 | 0.1233 | HIC |
| Serbia | Southern Europe | Very High EGDI | V2 | 39 | 0.8618 | 0.8540 | 0.9221 | 0.8094 | 0.8904 | UMC |
| Slovakia | Eastern Europe | Very High EGDI | V1 | 60 | 0.8021 | 0.7097 | 0.8985 | 0.7982 | 0.6986 | HIC |
| Slovenia | Southern Europe | Very High EGDI | V3 | 33 | 0.8759 | 0.8640 | 0.9107 | 0.8530 | 0.7808 | HIC |
| Spain | Southern Europe | Very High EGDI | VH | 17 | 0.9206 | 0.9054 | 0.9603 | 0.8961 | 0.8082 | HIC |
| Sweden | Northern Europe | Very High EGDI | VH | 14 | 0.9326 | 0.8836 | 0.9868 | 0.9275 | 0.7945 | HIC |
| Switzerland | Western Europe | Very High EGDI | V3 | 26 | 0.9003 | 0.8408 | 0.9576 | 0.9026 | 0.8219 | HIC |
| Ukraine | Eastern Europe | Very High EGDI | V3 | 30 | 0.8841 | 0.9854 | 0.8428 | 0.8240 | 1.0000 | LMC |
| United Kingdom of Great Britain and Northern Ireland | Northern Europe | Very High EGDI | VH | 7 | 0.9577 | 0.9535 | 0.9747 | 0.9450 | 0.9726 | HIC |

Table 2.5 E-Government Development Index (EGDI) and E-Participation for Oceania region

| Country | Sub-Region | EGDI Group | Rating Class | Rank | EGDI 2024 | OSI | TII | HCI | EPI | "Level of income" |
|----------------------------------|---------------------------|----------------|--------------|------|-----------|--------|--------|--------|--------|-------------------|
| Australia | Australia and New Zealand | Very High EGDI | VH | 8 | 0.9577 | 0.9222 | 0.9509 | 1.0000 | 0.8630 | HIC |
| Fiji | Melanesia | High EGDI | H3 | 93 | 0.6754 | 0.5343 | 0.7507 | 0.7413 | 0.3973 | UMC |
| Kiribati | Micronesia | Middle EGDI | MH | 147 | 0.4572 | 0.3904 | 0.3544 | 0.6269 | 0.3288 | LMC |
| Marshall Islands | Micronesia | Middle EGDI | MH | 143 | 0.4823 | 0.3586 | 0.3047 | 0.7836 | 0.3288 | UMC |
| Micronesia (Federated States of) | Micronesia | Middle EGDI | M2 | 167 | 0.3235 | 0.2621 | 0.1350 | 0.5735 | 0.1370 | LMC |
| Nauru | Micronesia | Middle EGDI | M3 | 151 | 0.4454 | 0.2439 | 0.5863 | 0.5061 | 0.2329 | HIC |
| New Zealand | Australia and New Zealand | Very High EGDI | VH | 16 | 0.9265 | 0.9453 | 0.8728 | 0.9615 | 0.9315 | HIC |
| Palau | Micronesia | High EGDI | H1 | 137 | 0.5072 | 0.2787 | 0.4910 | 0.7520 | 0.3014 | UMC |
| Papua New Guinea | Melanesia | Middle EGDI | M1 | 171 | 0.3076 | 0.3392 | 0.1851 | 0.3984 | 0.1918 | LMC |
| Samoa | Polynesia | Middle EGDI | MH | 140 | 0.4899 | 0.3638 | 0.4606 | 0.6453 | 0.3014 | LMC |
| Solomon Islands | Melanesia | Middle EGDI | M2 | 164 | 0.3681 | 0.4970 | 0.1811 | 0.4262 | 0.3699 | LMC |
| Tonga | Polynesia | High EGDI | H1 | 134 | 0.5164 | 0.3220 | 0.4784 | 0.7488 | 0.3288 | UMC |
| Tuvalu | Polynesia | Middle EGDI | M3 | 158 | 0.4042 | 0.1944 | 0.4720 | 0.5463 | 0.0685 | UMC |
| Vanuatu | Melanesia | High EGDI | H1 | 129 | 0.5427 | 0.4769 | 0.6165 | 0.5347 | 0.4658 | LMC |

Table 3 Economic groupings for E-Government Development Index (EGDI) and E-Participation

| Levels of Income | EGDI Group | EGDI | Online Service Index | Telecommunications Infrastructure Index | Human Capital Index | E-Participation Index |
|---------------------|----------------|--------|----------------------|---|---------------------|-----------------------|
| High income | Very High EGDI | 0.8326 | 0.7553 | 0.9123 | 0.8301 | 0.6725 |
| Upper middle income | High EGDI | 0.6932 | 0.5992 | 0.7699 | 0.7104 | 0.5216 |
| Lower middle income | High EGDI | 0.5449 | 0.4934 | 0.5881 | 0.5533 | 0.3805 |
| Low income | Middle EGDI | 0.2764 | 0.2854 | 0.2291 | 0.3145 | 0.2318 |

Table 4 E-Government Development Index (EGDI) of Least Developed Countries (LDCs)

| Country | Region | Sub-Region | EGDI Group | Rating Class | Rank | EGDI | Online Service Index | Telecommunications Infrastructure Index | Human Capital Index | EPI |
|----------------------------------|----------|--------------------|-------------|--------------|------|--------|----------------------|---|---------------------|--------|
| Afghanistan | Asia | Southern Asia | Low EGDI | L2 | 188 | 0.2083 | 0.1438 | 0.2167 | 0.2643 | 0.1096 |
| Angola | Africa | Middle Africa | Middle EGDI | M3 | 156 | 0.4149 | 0.3962 | 0.3724 | 0.4760 | 0.2192 |
| Bangladesh | Asia | Southern Asia | High EGDI | H3 | 100 | 0.657 | 0.7374 | 0.6501 | 0.5834 | 0.6164 |
| Benin | Africa | Western Africa | Middle EGDI | MH | 146 | 0.4578 | 0.5202 | 0.4817 | 0.3715 | 0.3699 |
| Bhutan | Asia | Southern Asia | High EGDI | H3 | 103 | 0.6511 | 0.5886 | 0.8169 | 0.5478 | 0.4932 |
| Burkina Faso | Africa | Western Africa | Middle EGDI | M1 | 175 | 0.2895 | 0.3376 | 0.3640 | 0.1668 | 0.2192 |
| Burundi | Africa | Eastern Africa | Low EGDI | LM | 183 | 0.248 | 0.3146 | 0.0330 | 0.3965 | 0.2192 |
| Cambodia | Asia | South-Eastern Asia | High EGDI | H2 | 120 | 0.5754 | 0.4503 | 0.7609 | 0.5149 | 0.3151 |
| Central African Republic | Africa | Middle Africa | Low EGDI | L1 | 193 | 0.0947 | 0.1128 | 0.0000 | 0.1713 | 0.0822 |
| Chad | Africa | Middle Africa | Low EGDI | L2 | 189 | 0.1785 | 0.2674 | 0.1194 | 0.1488 | 0.3151 |
| Comoros | Africa | Eastern Africa | Middle EGDI | M1 | 180 | 0.2586 | 0.0230 | 0.3537 | 0.3992 | 0 |
| Democratic Republic of the Congo | Africa | Middle Africa | Middle EGDI | M1 | 179 | 0.2715 | 0.2067 | 0.1591 | 0.4487 | 0.2466 |
| Djibouti | Africa | Eastern Africa | Middle EGDI | M1 | 174 | 0.2911 | 0.2092 | 0.3840 | 0.2800 | 0.0959 |
| Eritrea | Africa | Eastern Africa | Low EGDI | L2 | 190 | 0.1576 | 0.0000 | 0.1405 | 0.3324 | 0.0137 |
| Ethiopia | Africa | Eastern Africa | Middle EGDI | M2 | 169 | 0.3111 | 0.3420 | 0.2659 | 0.3254 | 0.1644 |
| Gambia | Africa | Western Africa | Middle EGDI | M1 | 181 | 0.2552 | 0.0955 | 0.3877 | 0.2823 | 0.1781 |
| Guinea | Africa | Western Africa | Middle EGDI | M2 | 160 | 0.4006 | 0.4808 | 0.4323 | 0.2887 | 0.5068 |
| Guinea-Bissau | Africa | Western Africa | Middle EGDI | M2 | 170 | 0.3083 | 0.1270 | 0.4902 | 0.3077 | 0.2192 |
| Haiti | Americas | Caribbean | Low EGDI | L3 | 186 | 0.2116 | 0.1379 | 0.2087 | 0.2883 | 0.0959 |
| Kiribati | Oceania | Micronesia | Middle EGDI | MH | 147 | 0.4572 | 0.3904 | 0.3544 | 0.6269 | 0.3288 |
| Lao People's Democratic Republic | Asia | South-Eastern Asia | Middle EGDI | M3 | 152 | 0.4404 | 0.3265 | 0.5338 | 0.4608 | 0.2877 |
| Lesotho | Africa | Southern Africa | Middle EGDI | M3 | 157 | 0.4123 | 0.2864 | 0.4643 | 0.4862 | 0.2055 |
| Liberia | Africa | Western Africa | Middle EGDI | M1 | 182 | 0.2513 | 0.2633 | 0.1238 | 0.3669 | 0.1644 |
| Madagascar | Africa | Eastern Africa | Middle EGDI | M2 | 168 | 0.3235 | 0.4045 | 0.1518 | 0.4141 | 0.3014 |

Table 4 (continued)

| Country | Region | Sub-Region | EGDI Group | Rating Class | Rank | EGDI | Online Service Index | Telecommunications Infrastructure Index | Human Capital Index | EPI |
|-----------------------------|---------|--------------------|-------------|--------------|------|--------|----------------------|---|---------------------|--------|
| Malawi | Africa | Eastern Africa | Middle EGDI | M2 | 163 | 0.3753 | 0.4625 | 0.1886 | 0.4749 | 0.4521 |
| Mali | Africa | Western Africa | Middle EGDI | M1 | 173 | 0.3005 | 0.3334 | 0.4432 | 0.1250 | 0.274 |
| Mauritania | Africa | Western Africa | Middle EGDI | M2 | 165 | 0.3491 | 0.1688 | 0.5824 | 0.2961 | 0.1233 |
| Mozambique | Africa | Eastern Africa | Middle EGDI | M1 | 177 | 0.2848 | 0.3959 | 0.0632 | 0.3952 | 0.2055 |
| Myanmar | Asia | South-Eastern Asia | High EGDI | H1 | 138 | 0.5001 | 0.3259 | 0.6662 | 0.5081 | 0.1644 |
| Nepal | Asia | Southern Asia | High EGDI | H2 | 119 | 0.5781 | 0.4481 | 0.7653 | 0.5210 | 0.2192 |
| Niger | Africa | Western Africa | Low EGDI | L3 | 187 | 0.2116 | 0.3084 | 0.1578 | 0.1685 | 0.2055 |
| Rwanda | Africa | Eastern Africa | High EGDI | H2 | 118 | 0.5799 | 0.8207 | 0.3724 | 0.5467 | 0.7534 |
| Sao Tome and Principe | Africa | Middle Africa | Middle EGDI | M3 | 154 | 0.4308 | 0.2156 | 0.4839 | 0.5928 | 0.1644 |
| Senegal | Africa | Western Africa | High EGDI | H1 | 135 | 0.5162 | 0.4779 | 0.7328 | 0.3380 | 0.4247 |
| Sierra Leone | Africa | Western Africa | Middle EGDI | M1 | 172 | 0.3042 | 0.3823 | 0.2585 | 0.2718 | 0.3288 |
| Solomon Islands | Oceania | Melanesia | Middle EGDI | M2 | 164 | 0.3681 | 0.4970 | 0.1811 | 0.4262 | 0.3699 |
| Somalia | Africa | Eastern Africa | Low EGDI | L1 | 191 | 0.1468 | 0.2971 | 0.1432 | 0.0000 | 0.2877 |
| South Sudan | Africa | Eastern Africa | Low EGDI | L1 | 192 | 0.1191 | 0.1504 | 0.0547 | 0.1521 | 0.1096 |
| Sudan | Africa | Northern Africa | Middle EGDI | M1 | 178 | 0.2759 | 0.1293 | 0.4392 | 0.2593 | 0.0685 |
| Timor-Leste | Asia | South-Eastern Asia | Middle EGDI | M3 | 159 | 0.402 | 0.3406 | 0.3551 | 0.5104 | 0.3288 |
| Togo | Africa | Western Africa | Middle EGDI | M2 | 161 | 0.392 | 0.4472 | 0.2474 | 0.4813 | 0.4521 |
| Tuvalu | Oceania | Polyynesia | Middle EGDI | M3 | 158 | 0.4042 | 0.1944 | 0.4720 | 0.5463 | 0.0685 |
| Uganda | Africa | Eastern Africa | Middle EGDI | M3 | 150 | 0.4464 | 0.6069 | 0.2299 | 0.5023 | 0.4384 |
| United Republic of Tanzania | Africa | Eastern Africa | Middle EGDI | M3 | 153 | 0.4327 | 0.4791 | 0.3792 | 0.4399 | 0.2877 |
| Yemen | Asia | Western Asia | Low EGDI | L3 | 185 | 0.2317 | 0.1377 | 0.2905 | 0.2670 | 0.1507 |
| Zambia | Africa | Eastern Africa | High EGDI | H1 | 130 | 0.5424 | 0.4958 | 0.5088 | 0.6225 | 0.411 |

Table 5 E-Government Development Index (EGDI) of Landlocked Developing Countries (LLDCs)

| Country | Region | Sub-Region | EGDI Group | Rating Class | Rank | EGDI | Online Service Index | Telecommunications Infrastructure Index | Human Capital Index | EPI |
|----------------------------------|----------|--------------------|----------------|--------------|------|--------|----------------------|---|---------------------|--------|
| Afghanistan | Asia | Southern Asia | Low EGDI | L2 | 188 | 0.2083 | 0.1438 | 0.2167 | 0.2643 | 0.1096 |
| Armenia | Asia | Western Asia | Very High EGDI | V2 | 48 | 0.8422 | 0.7922 | 0.8782 | 0.8561 | 0.8493 |
| Azerbaijan | Asia | Western Asia | Very High EGDI | V1 | 74 | 0.7607 | 0.7386 | 0.8203 | 0.7233 | 0.4932 |
| Bhutan | Asia | Southern Asia | High EGDI | H3 | 103 | 0.6511 | 0.5886 | 0.8169 | 0.5478 | 0.4932 |
| Bolivia | Americas | South America | High EGDI | H3 | 99 | 0.6651 | 0.5987 | 0.7089 | 0.6876 | 0.4247 |
| Botswana | Africa | Southern Africa | High EGDI | H2 | 112 | 0.6118 | 0.3985 | 0.8649 | 0.5719 | 0.274 |
| Burkina Faso | Africa | Western Africa | Middle EGDI | M1 | 175 | 0.2895 | 0.3376 | 0.364 | 0.1668 | 0.2192 |
| Burundi | Africa | Eastern Africa | Low EGDI | LM | 183 | 0.248 | 0.3146 | 0.033 | 0.3965 | 0.2192 |
| Central African Republic | Africa | Middle Africa | Low EGDI | L1 | 193 | 0.0947 | 0.1128 | 0 | 0.1713 | 0.0822 |
| Chad | Africa | Middle Africa | Low EGDI | L2 | 189 | 0.1785 | 0.2674 | 0.1194 | 0.1488 | 0.3151 |
| Eswatini | Africa | Southern Africa | High EGDI | H2 | 113 | 0.6081 | 0.4557 | 0.7851 | 0.5836 | 0.3836 |
| Ethiopia | Africa | Eastern Africa | Middle EGDI | M2 | 169 | 0.3111 | 0.342 | 0.2659 | 0.3254 | 0.1644 |
| Kazakhstan | Asia | Central Asia | Very High EGDI | V3 | 24 | 0.9009 | 0.939 | 0.9235 | 0.8403 | 0.8493 |
| Kyrgyzstan | Asia | Central Asia | High EGDI | HV | 78 | 0.7316 | 0.6072 | 0.8815 | 0.7061 | 0.4658 |
| Lao People's Democratic Republic | Asia | South-Eastern Asia | Middle EGDI | M3 | 152 | 0.4404 | 0.3265 | 0.5338 | 0.4608 | 0.2877 |
| Lesotho | Africa | Southern Africa | Middle EGDI | M3 | 157 | 0.4123 | 0.2864 | 0.4643 | 0.4862 | 0.2055 |
| Malawi | Africa | Eastern Africa | Middle EGDI | M2 | 163 | 0.3753 | 0.4625 | 0.1886 | 0.4749 | 0.4521 |
| Mali | Africa | Western Africa | Middle EGDI | M1 | 173 | 0.3005 | 0.3334 | 0.4432 | 0.125 | 0.274 |
| Mongolia | Asia | Eastern Asia | Very High EGDI | V2 | 46 | 0.8457 | 0.8222 | 0.9374 | 0.7775 | 0.7808 |
| Nepal | Asia | Southern Asia | High EGDI | H2 | 119 | 0.5781 | 0.4481 | 0.7653 | 0.521 | 0.2192 |
| Niger | Africa | Western Africa | Low EGDI | L3 | 187 | 0.2116 | 0.3084 | 0.1578 | 0.1685 | 0.2055 |
| North Macedonia | Europe | Southern Europe | High EGDI | HV | 84 | 0.707 | 0.6642 | 0.7546 | 0.7023 | 0.5753 |
| Paraguay | Americas | South America | High EGDI | HV | 80 | 0.7251 | 0.6712 | 0.7947 | 0.7093 | 0.6027 |

Table 5 (continued)

| Country | Region | Sub-Region | EGDI Group | Rating Class | Rank | EGDI | Online Service Index | Telecommunications Infrastructure Index | Human Capital Index | EPI |
|---------------------|--------|----------------|----------------|--------------|------|--------|----------------------|---|---------------------|---------|
| Republic of Moldova | Europe | Eastern Europe | Very High EGDI | V1 | 70 | 0.7719 | 0.7264 | 0.8118 | 0.7776 | 0.726 |
| Rwanda | Africa | Eastern Africa | High EGDI | H2 | 118 | 0.5799 | 0.8207 | 0.3724 | 0.5467 | 0.7534 |
| South Sudan | Africa | Eastern Africa | Low EGDI | L1 | 192 | 0.1191 | 0.1504 | 0.0547 | 0.1521 | 0.1096 |
| Tajikistan | Asia | Central Asia | High EGDI | H1 | 123 | 0.5606 | 0.4476 | 0.581 | 0.6531 | 0.274 |
| Turkmenistan | Asia | Central Asia | Middle EGDI | MH | 145 | 0.4757 | 0.2506 | 0.5151 | 0.6614 | 0.0411 |
| Uganda | Africa | Eastern Africa | Middle EGDI | M3 | 150 | 0.4464 | 0.6069 | 0.2299 | 0.5023 | 0.4384 |
| Uzbekistan | Asia | Central Asia | Very High EGDI | V1 | 63 | 0.7999 | 0.7648 | 0.8769 | 0.758 | 0.63986 |
| Zambia | Africa | Eastern Africa | High EGDI | H1 | 130 | 0.5424 | 0.4958 | 0.5088 | 0.6225 | 0.411 |

Table 6 E-Government Development Index (EGDI) of Small Island Developing States (SIDS)

| Country | Region | Sub-Region | EGDI Group | Rating Class | Rank | EGDI | Online Service Index | Telecommunications Infrastructure Index | Human Capital Index | EPI |
|----------------------------------|----------|-----------------|----------------|--------------|------|--------|----------------------|---|---------------------|--------|
| Antigua and Barbuda | Americas | Caribbean | High EGDI | H3 | 105 | 0.6428 | 0.4166 | 0.7943 | 0.7176 | 0.3425 |
| Bahamas | Americas | Caribbean | High EGDI | HV | 83 | 0.7143 | 0.5402 | 0.8652 | 0.7376 | 0.3151 |
| Barbados | Americas | Caribbean | High EGDI | H3 | 91 | 0.6815 | 0.4976 | 0.7624 | 0.7845 | 0.3288 |
| Belize | Americas | Central America | Middle EGDI | MH | 141 | 0.4872 | 0.4054 | 0.5292 | 0.527 | 0.2329 |
| Cabo Verde | Africa | Western Africa | High EGDI | H2 | 111 | 0.6238 | 0.6892 | 0.6128 | 0.5694 | 0.5479 |
| Comoros | Africa | Eastern Africa | Middle EGDI | M1 | 180 | 0.2586 | 0.023 | 0.3537 | 0.3992 | 0 |
| Cuba | Americas | Caribbean | Middle EGDI | MH | 139 | 0.4921 | 0.2298 | 0.5318 | 0.7148 | 0.0548 |
| Dominica | Americas | Caribbean | High EGDI | H1 | 127 | 0.5445 | 0.3798 | 0.6757 | 0.5781 | 0.3014 |
| Dominican Republic | Americas | Caribbean | High EGDI | HV | 85 | 0.7013 | 0.6405 | 0.7444 | 0.7189 | 0.6575 |
| Fiji | Oceania | Melanesia | High EGDI | H3 | 93 | 0.6754 | 0.5343 | 0.7507 | 0.7413 | 0.3973 |
| Grenada | Americas | Caribbean | High EGDI | H3 | 104 | 0.6458 | 0.5056 | 0.6767 | 0.755 | 0.2466 |
| Guinea-Bissau | Africa | Western Africa | Middle EGDI | M2 | 170 | 0.3083 | 0.127 | 0.4902 | 0.3077 | 0.2192 |
| Guyana | Americas | South America | High EGDI | H1 | 128 | 0.5443 | 0.3455 | 0.6942 | 0.5933 | 0.2192 |
| Haiti | Americas | Caribbean | Low EGDI | L3 | 186 | 0.2116 | 0.1379 | 0.2087 | 0.2883 | 0.0959 |
| Jamaica | Americas | Caribbean | High EGDI | H3 | 96 | 0.6678 | 0.5677 | 0.7296 | 0.706 | 0.4384 |
| Kiribati | Oceania | Micronesia | Middle EGDI | MH | 147 | 0.4572 | 0.3904 | 0.3544 | 0.6269 | 0.3288 |
| Maldives | Asia | Southern Asia | High EGDI | H3 | 94 | 0.6745 | 0.622 | 0.7886 | 0.613 | 0.4795 |
| Marshall Islands | Oceania | Micronesia | Middle EGDI | MH | 143 | 0.4823 | 0.3586 | 0.3047 | 0.7836 | 0.3288 |
| Mauritius | Africa | Eastern Africa | Very High EGDI | V1 | 76 | 0.7506 | 0.5903 | 0.9159 | 0.7456 | 0.411 |
| Micronesia (Federated States of) | Oceania | Micronesia | Middle EGDI | M2 | 167 | 0.3235 | 0.2621 | 0.135 | 0.5735 | 0.137 |
| Nauru | Oceania | Micronesia | Middle EGDI | M3 | 151 | 0.4454 | 0.2439 | 0.5863 | 0.5061 | 0.2329 |
| Palau | Oceania | Micronesia | High EGDI | H1 | 137 | 0.5072 | 0.2787 | 0.491 | 0.752 | 0.3014 |
| Papua New Guinea | Oceania | Melanesia | Middle EGDI | M1 | 171 | 0.3076 | 0.3392 | 0.1851 | 0.3984 | 0.1918 |

Table 6 (continued)

| Country | Region | Sub-Region | EGDI Group | Rating Class | Rank | EGDI | Online Service Index | Telecommunications Infrastructure Index | Human Capital Index | EPI |
|----------------------------------|----------|--------------------|----------------|--------------|------|--------|----------------------|---|---------------------|--------|
| Saint Kitts and Nevis | Americas | Caribbean | High EGDI | H2 | 110 | 0.6305 | 0.3039 | 0.8675 | 0.7202 | 0.2055 |
| Saint Lucia | Americas | Caribbean | High EGDI | H1 | 133 | 0.5255 | 0.3229 | 0.6498 | 0.6037 | 0.137 |
| Saint Vincent and the Grenadines | Americas | Caribbean | High EGDI | H2 | 117 | 0.5876 | 0.3906 | 0.6767 | 0.6956 | 0.3425 |
| Samoa | Oceania | Polyonesia | Middle EGDI | MH | 140 | 0.4899 | 0.3638 | 0.4606 | 0.6453 | 0.3014 |
| Sao Tome and Principe | Africa | Middle Africa | Middle EGDI | M3 | 154 | 0.4308 | 0.2156 | 0.4839 | 0.5928 | 0.1644 |
| Seychelles | Africa | Eastern Africa | High EGDI | H3 | 92 | 0.6773 | 0.4638 | 0.8913 | 0.6769 | 0.3014 |
| Singapore | Asia | South-Eastern Asia | Very High EGDI | VH | 3 | 0.9691 | 0.9831 | 0.9881 | 0.9362 | 0.9589 |
| Solomon Islands | Oceania | Melanesia | Middle EGDI | M2 | 164 | 0.3681 | 0.497 | 0.1811 | 0.4262 | 0.3699 |
| Suriname | Americas | South America | High EGDI | H3 | 106 | 0.6365 | 0.4814 | 0.8714 | 0.5568 | 0.2877 |
| Timor-Leste | Asia | South-Eastern Asia | Middle EGDI | M3 | 159 | 0.402 | 0.3406 | 0.3551 | 0.5104 | 0.3288 |
| Tonga | Oceania | Polynesia | High EGDI | H1 | 134 | 0.5164 | 0.322 | 0.4784 | 0.7488 | 0.3288 |
| Trinidad and Tobago | Americas | Caribbean | High EGDI | HV | 86 | 0.6973 | 0.5999 | 0.7745 | 0.7174 | 0.3288 |
| Tuvalu | Oceania | Polynesia | Middle EGDI | M3 | 158 | 0.4042 | 0.1944 | 0.472 | 0.5463 | 0.0685 |
| Vanuatu | Oceania | Melanesia | High EGDI | H1 | 129 | 0.5427 | 0.4769 | 0.6165 | 0.5347 | 0.4658 |

Table 7 Online Service Index (OSI) and its components

| Country | OSI Group | OSI 2024 | IF | CP | SP | EPI | TEC | EGDI Group | EGDI 2024 |
|------------------------|---------------|----------|--------|--------|--------|--------|--------|----------------|-----------|
| Afghanistan | Low OSI | 0.1438 | 0.6800 | 0.1111 | 0.0482 | 0.1096 | 0.1250 | Low EGDI | 0.2083 |
| Albania | Very High OSI | 0.8144 | 0.9200 | 1.0000 | 0.8313 | 0.7260 | 0.6250 | Very High EGDI | 0.8000 |
| Algeria | Middle OSI | 0.3320 | 0.6800 | 0.5556 | 0.4217 | 0.0548 | 0.3750 | High EGDI | 0.5956 |
| Andorra | Middle OSI | 0.4780 | 0.7200 | 0.6667 | 0.3494 | 0.5479 | 0.3750 | High EGDI | 0.6893 |
| Angola | Middle OSI | 0.3962 | 0.6400 | 0.6667 | 0.4217 | 0.2192 | 0.5000 | Middle EGDI | 0.4149 |
| Antigua and Barbuda | Middle OSI | 0.4166 | 0.6000 | 0.6667 | 0.3855 | 0.3425 | 0.5000 | High EGDI | 0.6428 |
| Argentina | Very High OSI | 0.7965 | 0.9600 | 0.7778 | 0.8434 | 0.6301 | 0.8750 | Very High EGDI | 0.8573 |
| Armenia | Very High OSI | 0.7922 | 0.9600 | 1.0000 | 0.6506 | 0.8493 | 0.8125 | Very High EGDI | 0.8422 |
| Australia | Very High OSI | 0.9222 | 0.9600 | 0.8889 | 0.9518 | 0.8630 | 0.7500 | Very High EGDI | 0.9577 |
| Austria | Very High OSI | 0.8383 | 0.9600 | 0.7778 | 0.8313 | 0.7808 | 0.8125 | Very High EGDI | 0.9065 |
| Azerbaijan | High OSI | 0.7386 | 0.8400 | 1.0000 | 0.8795 | 0.4932 | 0.5000 | Very High EGDI | 0.7607 |
| Bahamas | High OSI | 0.5402 | 0.6800 | 0.5556 | 0.6627 | 0.3151 | 0.5625 | High EGDI | 0.7143 |
| Bahrain | Very High OSI | 0.9030 | 1.0000 | 0.8889 | 0.8313 | 0.9041 | 1.0000 | Very High EGDI | 0.9196 |
| Bangladesh | High OSI | 0.7374 | 0.9200 | 0.6667 | 0.7470 | 0.6164 | 0.8750 | High EGDI | 0.6570 |
| Barbados | Middle OSI | 0.4976 | 0.7200 | 0.5556 | 0.5542 | 0.3288 | 0.5000 | High EGDI | 0.6815 |
| Belarus | High OSI | 0.5760 | 0.8400 | 0.6667 | 0.5301 | 0.4932 | 0.6875 | High EGDI | 0.7445 |
| Belgium | High OSI | 0.7224 | 0.9600 | 0.6667 | 0.7711 | 0.5479 | 0.7500 | Very High EGDI | 0.8121 |
| Belize | Middle OSI | 0.4054 | 0.9200 | 0.4444 | 0.4458 | 0.2329 | 0.0000 | Middle EGDI | 0.4872 |
| Benin | High OSI | 0.5202 | 0.9200 | 0.5556 | 0.5060 | 0.3699 | 0.5625 | Middle EGDI | 0.4578 |
| Bhutan | High OSI | 0.5886 | 0.8800 | 0.7778 | 0.5422 | 0.4932 | 0.6250 | High EGDI | 0.6511 |
| Bolivia | High OSI | 0.5987 | 0.9200 | 0.6667 | 0.6265 | 0.4247 | 0.5625 | High EGDI | 0.6651 |
| Bosnia and Herzegovina | High OSI | 0.5003 | 0.8400 | 0.5556 | 0.3855 | 0.5479 | 0.3125 | High EGDI | 0.6329 |
| Botswana | Middle OSI | 0.3985 | 0.6800 | 0.5556 | 0.4217 | 0.2740 | 0.2500 | High EGDI | 0.6118 |
| Brazil | Very High OSI | 0.9063 | 1.0000 | 0.8916 | 0.8630 | 0.7500 | 0.7500 | Very High EGDI | 0.8403 |

Table 7 (continued)

| Country | OSI Group | OSI 2024 | IF | CP | SP | EPI | TEC | EGDI Group | EGDI 2024 |
|---------------------------------------|---------------|----------|--------|--------|--------|--------|--------|----------------|-----------|
| Brunei Darussalam | High OSI | 0.5802 | 0.9200 | 0.6667 | 0.5542 | 0.4658 | 0.5625 | Very High EGDI | 0.7554 |
| Bulgaria | Very High OSI | 0.7727 | 0.9200 | 1.0000 | 0.7711 | 0.6712 | 0.6875 | Very High EGDI | 0.8145 |
| Burkina Faso | Middle OSI | 0.3376 | 0.8400 | 0.3333 | 0.2892 | 0.2192 | 0.3750 | Middle EGDI | 0.2895 |
| Burundi | Middle OSI | 0.3146 | 0.6800 | 0.2222 | 0.2892 | 0.2192 | 0.4375 | Low EGDI | 0.2480 |
| Cabo Verde | High OSI | 0.6892 | 0.9200 | 0.6667 | 0.7349 | 0.5479 | 0.5625 | High EGDI | 0.6238 |
| Cambodia | Middle OSI | 0.4503 | 0.8000 | 0.7778 | 0.4096 | 0.3151 | 0.5000 | High EGDI | 0.5754 |
| Cameroon | Middle OSI | 0.3988 | 0.7200 | 0.7778 | 0.2530 | 0.4247 | 0.3750 | Middle EGDI | 0.4294 |
| Canada | Very High OSI | 0.8552 | 1.0000 | 0.7778 | 0.7711 | 0.9178 | 0.6875 | Very High EGDI | 0.8452 |
| Central African Republic | Low OSI | 0.1128 | 0.4000 | 0.2222 | 0.0602 | 0.0822 | 0.1875 | Low EGDI | 0.0947 |
| Chad | Middle OSI | 0.2674 | 0.7200 | 0.4444 | 0.1084 | 0.3151 | 0.1875 | Low EGDI | 0.1785 |
| Chile | Very High OSI | 0.8612 | 1.0000 | 0.7778 | 0.8554 | 0.8356 | 0.6250 | Very High EGDI | 0.8827 |
| China | Very High OSI | 0.9258 | 0.9600 | 1.0000 | 0.9036 | 0.9315 | 0.6875 | Very High EGDI | 0.8718 |
| Colombia | Very High OSI | 0.7521 | 0.9600 | 0.8839 | 0.6747 | 0.7397 | 0.6875 | Very High EGDI | 0.7793 |
| Comoros | Low OSI | 0.0230 | 0.1200 | 0.0000 | 0.0482 | 0.0000 | 0.0625 | Middle EGDI | 0.2586 |
| Congo | Middle OSI | 0.2760 | 0.8000 | 0.3333 | 0.2410 | 0.0822 | 0.5625 | Middle EGDI | 0.3391 |
| Costa Rica | High OSI | 0.7217 | 0.8800 | 0.7778 | 0.6627 | 0.7260 | 0.6250 | Very High EGDI | 0.8009 |
| Croatia | High OSI | 0.5219 | 0.8800 | 0.5556 | 0.4819 | 0.4110 | 0.6250 | Very High EGDI | 0.8818 |
| Cuba | Very High OSI | 0.8735 | 0.9600 | 0.8839 | 0.8193 | 0.9178 | 0.6250 | Middle EGDI | 0.4921 |
| Cyprus | Low OSI | 0.2298 | 0.8400 | 0.1111 | 0.2169 | 0.0548 | 0.2500 | Very High EGDI | 0.8619 |
| Czechia | Very High OSI | 0.8217 | 0.9600 | 0.8839 | 0.8313 | 0.7260 | 0.7500 | Very High EGDI | 0.8239 |
| Côte d'Ivoire | High OSI | 0.7006 | 0.9200 | 0.7778 | 0.6988 | 0.5890 | 0.6875 | High EGDI | 0.5587 |
| Democratic People's Republic of Korea | Low OSI | 0.0291 | 0.2000 | 0.2222 | 0.0120 | 0.0000 | 0.0625 | Low EGDI | 0.2320 |
| Democratic Republic of the Congo | Low OSI | 0.2067 | 0.4400 | 0.4444 | 0.0723 | 0.2466 | 0.4375 | Middle EGDI | 0.2715 |
| Denmark | Very High OSI | 0.9992 | 1.0000 | 0.9880 | 0.9863 | 0.8750 | 0.9847 | Very High EGDI | 0.9847 |
| Djibouti | Low OSI | 0.2092 | 0.6000 | 0.3333 | 0.1928 | 0.0959 | 0.1875 | Middle EGDI | 0.2911 |

Table 7 (continued)

| Country | OSI Group | OSI 2024 | IF | CP | SP | EPI | TEC | EGDI Group | EGDI 2024 |
|--------------------|---------------|----------|--------|--------|--------|--------|--------|----------------|-----------|
| Dominica | Middle OSI | 0.3798 | 0.5200 | 0.7778 | 0.3976 | 0.3014 | 0.1250 | High EGDI | 0.5445 |
| Dominican Republic | High OSI | 0.6405 | 0.8800 | 0.7778 | 0.5422 | 0.6575 | 0.5625 | High EGDI | 0.7013 |
| Ecuador | Very High OSI | 0.8851 | 0.9600 | 0.8889 | 0.8675 | 0.8767 | 0.6875 | Very High EGDI | 0.7800 |
| Egypt | High OSI | 0.7002 | 0.9200 | 0.6667 | 0.7108 | 0.5890 | 0.6875 | High EGDI | 0.6699 |
| El Salvador | High OSI | 0.5090 | 0.8000 | 0.7778 | 0.5060 | 0.3836 | 0.3750 | High EGDI | 0.5988 |
| Equatorial Guinea | Low OSI | 0.1932 | 0.3200 | 0.1111 | 0.1446 | 0.2329 | 0.3125 | Middle EGDI | 0.2855 |
| Eritrea | Low OSI | 0.0000 | 0.0000 | 0.1111 | 0.0000 | 0.0137 | 0.1250 | Low EGDI | 0.1576 |
| Estonia | Very High OSI | 0.9954 | 1.0000 | 1.0000 | 1.0000 | 0.9589 | 0.8750 | Very High EGDI | 0.9727 |
| Eswatini | Middle OSI | 0.4557 | 0.8400 | 0.7778 | 0.3494 | 0.3836 | 0.5625 | High EGDI | 0.6081 |
| Ethiopia | Middle OSI | 0.3420 | 0.6000 | 0.4444 | 0.3976 | 0.1644 | 0.3750 | Middle EGDI | 0.3111 |
| Fiji | High OSI | 0.5343 | 0.8000 | 0.3333 | 0.5783 | 0.3973 | 0.5625 | High EGDI | 0.6754 |
| Finland | Very High OSI | 0.9097 | 1.0000 | 0.8889 | 0.8916 | 0.8904 | 0.7500 | Very High EGDI | 0.9575 |
| France | Very High OSI | 0.8440 | 1.0000 | 0.8889 | 0.8072 | 0.8082 | 0.7500 | Very High EGDI | 0.8744 |
| Gabon | Middle OSI | 0.3187 | 0.7200 | 0.5556 | 0.3373 | 0.1233 | 0.3125 | High EGDI | 0.5741 |
| Gambia | Low OSI | 0.0955 | 0.3200 | 0.1111 | 0.0120 | 0.1781 | 0.0000 | Middle EGDI | 0.2552 |
| Georgia | High OSI | 0.5652 | 0.8800 | 0.5556 | 0.4819 | 0.5616 | 0.5000 | Very High EGDI | 0.7792 |
| Germany | Very High OSI | 0.9238 | 1.0000 | 0.8889 | 0.8434 | 0.9726 | 0.8750 | Very High EGDI | 0.9382 |
| Ghana | High OSI | 0.6084 | 0.9200 | 0.5556 | 0.5783 | 0.5342 | 0.5625 | High EGDI | 0.6317 |
| Greece | Very High OSI | 0.8145 | 0.9200 | 0.8889 | 0.9036 | 0.6712 | 0.5000 | Very High EGDI | 0.8674 |
| Grenada | High OSI | 0.5056 | 0.5600 | 0.6667 | 0.6506 | 0.2466 | 0.6250 | High EGDI | 0.6458 |
| Guatemala | High OSI | 0.6538 | 0.8000 | 0.7778 | 0.7229 | 0.4658 | 0.6875 | High EGDI | 0.5738 |
| Guinea | Middle OSI | 0.4808 | 0.8800 | 0.3333 | 0.3614 | 0.5068 | 0.5000 | Middle EGDI | 0.4006 |
| Guinea-Bissau | Low OSI | 0.1270 | 0.2000 | 0.1111 | 0.0602 | 0.2192 | 0.1875 | Middle EGDI | 0.3083 |
| Guyana | Middle OSI | 0.3455 | 0.6800 | 0.5556 | 0.3012 | 0.2192 | 0.5625 | High EGDI | 0.5443 |
| Haiti | Low OSI | 0.1379 | 0.4800 | 0.0000 | 0.1084 | 0.0959 | 0.1875 | Low EGDI | 0.2116 |

Table.7 (continued)

| Country | OSI Group | OSI 2024 | IF | CP | SP | EPI | TEC | EDGI Group | EGDI 2024 |
|----------------------------------|---------------|----------|--------|--------|--------|--------|--------|----------------|-----------|
| Honduras | Middle OSI | 0.4587 | 0.7200 | 0.6667 | 0.4578 | 0.3014 | 0.6250 | Middle EGDI | 0.4856 |
| Hungary | High OSI | 0.7144 | 0.8800 | 0.7778 | 0.8072 | 0.5479 | 0.4375 | Very High EGDI | 0.8043 |
| Iceland | Very High OSI | 0.9076 | 0.9600 | 0.8889 | 0.8554 | 0.9589 | 0.6875 | Very High EGDI | 0.9671 |
| India | Very High OSI | 0.8184 | 1.0000 | 0.8839 | 0.8554 | 0.6575 | 0.8125 | High EGDI | 0.6678 |
| Indonesia | Very High OSI | 0.8035 | 1.0000 | 1.0000 | 0.7229 | 0.7945 | 0.6875 | Very High EGDI | 0.7991 |
| Iran (Islamic Republic of) | Middle OSI | 0.3773 | 0.6800 | 0.4444 | 0.4337 | 0.1781 | 0.4375 | High EGDI | 0.6564 |
| Iraq | Low OSI | 0.1875 | 0.4400 | 0.3333 | 0.1566 | 0.0959 | 0.4375 | Middle EGDI | 0.4572 |
| Ireland | Very High OSI | 0.8768 | 1.0000 | 0.7778 | 0.8193 | 0.9178 | 0.6875 | Very High EGDI | 0.9138 |
| Israel | Very High OSI | 0.8541 | 0.9600 | 0.8889 | 0.9157 | 0.6986 | 0.8125 | Very High EGDI | 0.9014 |
| Italy | Very High OSI | 0.7624 | 1.0000 | 1.0000 | 0.7349 | 0.6575 | 0.6875 | Very High EGDI | 0.8356 |
| Jamaica | High OSI | 0.5677 | 0.8400 | 0.7778 | 0.5663 | 0.4384 | 0.5000 | High EGDI | 0.6678 |
| Japan | Very High OSI | 0.9427 | 1.0000 | 1.0000 | 0.8795 | 0.9863 | 0.7500 | Very High EGDI | 0.9351 |
| Jordan | Very High OSI | 0.7591 | 0.9200 | 0.8839 | 0.7952 | 0.6164 | 0.6875 | High EGDI | 0.6849 |
| Kazakhstan | Very High OSI | 0.9390 | 1.0000 | 0.8889 | 0.9880 | 0.8493 | 0.7500 | Very High EGDI | 0.9009 |
| Kenya | Very High OSI | 0.7770 | 0.9600 | 0.7778 | 0.7952 | 0.6712 | 0.6875 | High EGDI | 0.6314 |
| Kiribati | Middle OSI | 0.3904 | 0.6000 | 0.5556 | 0.3855 | 0.3288 | 0.2500 | Middle EGDI | 0.4572 |
| Kuwait | High OSI | 0.6365 | 0.8800 | 0.7778 | 0.6506 | 0.4795 | 0.6875 | Very High EGDI | 0.7812 |
| Kyrgyzstan | High OSI | 0.6072 | 0.9200 | 0.6667 | 0.6145 | 0.4658 | 0.5625 | High EGDI | 0.7316 |
| Lao People's Democratic Republic | Middle OSI | 0.3265 | 0.6800 | 0.6667 | 0.2289 | 0.2877 | 0.3125 | Middle EGDI | 0.4404 |
| Latvia | Very High OSI | 0.8092 | 1.0000 | 0.8889 | 0.7590 | 0.7808 | 0.6875 | Very High EGDI | 0.8852 |
| Lebanon | Middle OSI | 0.4489 | 0.8000 | 0.4444 | 0.3494 | 0.4658 | 0.3750 | High EGDI | 0.5449 |
| Lesotho | Middle OSI | 0.2864 | 0.5200 | 0.3333 | 0.2530 | 0.2055 | 0.5625 | Middle EGDI | 0.4123 |
| Liberia | Middle OSI | 0.2633 | 0.6000 | 0.3333 | 0.2530 | 0.1644 | 0.2500 | Middle EGDI | 0.2513 |
| Libya | Low OSI | 0.0808 | 0.4000 | 0.0000 | 0.0843 | 0.0137 | 0.0625 | High EGDI | 0.5466 |
| Liechtenstein | High OSI | 0.7416 | 0.9200 | 0.7778 | 0.7470 | 0.6575 | 0.6250 | Very High EGDI | 0.8528 |

Table 7 (continued)

| Country | OSI Group | OSI 2024 | IF | CP | SP | EPI | TEC | EGDI Group | EGDI 2024 |
|----------------------------------|---------------|----------|--------|--------|--------|--------|--------|----------------|-----------|
| Lithuania | Very High OSI | 0.8839 | 0.9600 | 1.0000 | 0.8916 | 0.8356 | 0.6250 | Very High EGDI | 0.9110 |
| Luxembourg | Very High OSI | 0.7555 | 1.0000 | 1.0000 | 0.7229 | 0.6301 | 0.8125 | Very High EGDI | 0.8466 |
| Madagascar | Middle OSI | 0.4045 | 0.6400 | 0.5556 | 0.3735 | 0.3014 | 0.6250 | Middle EGDI | 0.3235 |
| Malawi | Middle OSI | 0.4625 | 0.8000 | 0.5556 | 0.3855 | 0.4521 | 0.3125 | Middle EGDI | 0.3753 |
| Malaysia | High OSI | 0.7280 | 0.9200 | 0.7778 | 0.6506 | 0.6986 | 0.8750 | Very High EGDI | 0.8111 |
| Maldives | High OSI | 0.6220 | 0.6800 | 0.6667 | 0.6988 | 0.4795 | 0.6250 | High EGDI | 0.6745 |
| Mali | Middle OSI | 0.3334 | 0.6000 | 0.5556 | 0.2651 | 0.2740 | 0.5000 | Middle EGDI | 0.3005 |
| Malta | Very High OSI | 0.8749 | 0.9600 | 0.8889 | 0.9277 | 0.7671 | 0.6875 | Very High EGDI | 0.8886 |
| Marshall Islands | Middle OSI | 0.3586 | 0.5600 | 0.3333 | 0.3614 | 0.3288 | 0.1875 | Middle EGDI | 0.4823 |
| Mauritania | Low OSI | 0.1688 | 0.7600 | 0.2222 | 0.0482 | 0.1233 | 0.1875 | Middle EGDI | 0.3491 |
| Mauritius | High OSI | 0.5903 | 1.0000 | 0.7778 | 0.5904 | 0.4110 | 0.5000 | Very High EGDI | 0.7506 |
| Mexico | Very High OSI | 0.7637 | 0.8800 | 0.7778 | 0.7108 | 0.7397 | 0.8750 | Very High EGDI | 0.7850 |
| Micronesia (Federated States of) | Middle OSI | 0.2621 | 0.6800 | 0.4444 | 0.2169 | 0.1370 | 0.3750 | Middle EGDI | 0.3235 |
| Monaco | Middle OSI | 0.4838 | 0.8800 | 0.5556 | 0.6024 | 0.1507 | 0.5625 | High EGDI | 0.7175 |
| Mongolia | Very High OSI | 0.8222 | 0.9200 | 1.0000 | 0.8072 | 0.7808 | 0.6250 | Very High EGDI | 0.8457 |
| Montenegro | High OSI | 0.5214 | 0.9200 | 0.6667 | 0.4096 | 0.5068 | 0.4375 | High EGDI | 0.7211 |
| Morocco | High OSI | 0.5618 | 0.8400 | 0.6667 | 0.5663 | 0.4384 | 0.5000 | High EGDI | 0.6841 |
| Mozambique | Middle OSI | 0.3959 | 0.6800 | 0.4444 | 0.4458 | 0.2055 | 0.5000 | Middle EGDI | 0.2848 |
| Myanmar | Middle OSI | 0.3259 | 0.6800 | 0.5556 | 0.3253 | 0.1644 | 0.3750 | High EGDI | 0.5001 |
| Namibia | Middle OSI | 0.4996 | 0.7200 | 0.6667 | 0.5783 | 0.2740 | 0.5625 | High EGDI | 0.6007 |
| Nauru | Low OSI | 0.2439 | 0.4400 | 0.3333 | 0.2048 | 0.2329 | 0.2500 | Middle EGDI | 0.4454 |
| Nepal | Middle OSI | 0.4481 | 0.8800 | 0.5556 | 0.5060 | 0.2192 | 0.3125 | High EGDI | 0.5781 |
| Netherlands | Very High OSI | 0.9212 | 1.0000 | 1.0000 | 0.8554 | 0.9315 | 0.8750 | Very High EGDI | 0.9538 |
| New Zealand | Very High OSI | 0.9453 | 1.0000 | 0.8889 | 0.9398 | 0.9315 | 0.7500 | Very High EGDI | 0.9265 |
| Nicaragua | Middle OSI | 0.4493 | 0.7200 | 0.6667 | 0.5060 | 0.2329 | 0.5000 | High EGDI | 0.5318 |

Table 7 (continued)

| Country | OSI Group | OSI 2024 | IF | CP | SP | EPI | TEC | EDGI Group | EGDI 2024 |
|----------------------------------|---------------|----------|--------|--------|--------|--------|--------|----------------|-----------|
| Niger | Middle OSI | 0.3084 | 0.8400 | 0.5556 | 0.2169 | 0.2055 | 0.3125 | Low EGDI | 0.2116 |
| Nigeria | High OSI | 0.5372 | 0.9600 | 0.7778 | 0.5060 | 0.3699 | 0.5625 | Middle EGDI | 0.4815 |
| North Macedonia | High OSI | 0.6642 | 0.8800 | 0.8889 | 0.6265 | 0.5753 | 0.6875 | High EGDI | 0.7070 |
| Norway | Very High OSI | 0.9117 | 1.0000 | 1.0000 | 0.9036 | 0.8630 | 0.7500 | Very High EGDI | 0.9315 |
| Oman | Very High OSI | 0.8077 | 1.0000 | 0.8889 | 0.7711 | 0.7260 | 0.8750 | Very High EGDI | 0.8576 |
| Pakistan | High OSI | 0.7042 | 1.0000 | 1.0000 | 0.7470 | 0.4932 | 0.5625 | High EGDI | 0.5096 |
| Palau | Middle OSI | 0.2787 | 0.5200 | 0.2222 | 0.2289 | 0.3014 | 0.1875 | High EGDI | 0.5072 |
| Panama | High OSI | 0.6505 | 0.8800 | 0.7778 | 0.6506 | 0.5205 | 0.6875 | High EGDI | 0.7298 |
| Papua New Guinea | Middle OSI | 0.3392 | 0.8400 | 0.2222 | 0.3614 | 0.1918 | 0.1250 | Middle EGDI | 0.3076 |
| Paraguay | High OSI | 0.6712 | 0.8400 | 0.6667 | 0.6506 | 0.6027 | 0.7500 | High EGDI | 0.7251 |
| Peru | Very High OSI | 0.8377 | 1.0000 | 0.8889 | 0.8434 | 0.7534 | 0.6875 | Very High EGDI | 0.8070 |
| Philippines | Very High OSI | 0.8054 | 0.9600 | 0.8889 | 0.7952 | 0.7260 | 0.7500 | Very High EGDI | 0.7621 |
| Poland | Very High OSI | 0.8037 | 0.8800 | 0.7778 | 0.8072 | 0.7534 | 0.7500 | Very High EGDI | 0.8648 |
| Portugal | Very High OSI | 0.7878 | 1.0000 | 0.7778 | 0.8193 | 0.6438 | 0.7500 | Very High EGDI | 0.8415 |
| Qatar | Very High OSI | 0.7655 | 0.9600 | 1.0000 | 0.8795 | 0.4795 | 0.7500 | Very High EGDI | 0.8244 |
| Republic of Korea | Very High OSI | 1.0000 | 1.0000 | 1.0000 | 1.0000 | 0.9726 | 0.8750 | Very High EGDI | 0.9679 |
| Republic of Moldova | High OSI | 0.7264 | 0.9600 | 0.6667 | 0.6627 | 0.7260 | 0.6250 | Very High EGDI | 0.7719 |
| Romania | High OSI | 0.6548 | 1.0000 | 0.7778 | 0.5181 | 0.6849 | 0.5625 | Very High EGDI | 0.7636 |
| Russian Federation | Very High OSI | 0.7766 | 0.9600 | 0.6667 | 0.8193 | 0.6438 | 0.7500 | Very High EGDI | 0.8532 |
| Rwanda | Very High OSI | 0.8207 | 0.9600 | 0.8889 | 0.8434 | 0.7534 | 0.5000 | High EGDI | 0.5799 |
| Saint Kitts and Nevis | Middle OSI | 0.3039 | 0.4400 | 0.4444 | 0.3373 | 0.2055 | 0.3125 | High EGDI | 0.6305 |
| Saint Lucia | Middle OSI | 0.3229 | 0.7200 | 0.4444 | 0.3494 | 0.1370 | 0.3125 | High EGDI | 0.5255 |
| Saint Vincent and the Grenadines | Middle OSI | 0.3906 | 0.8800 | 0.4444 | 0.2892 | 0.3425 | 0.3750 | High EGDI | 0.5876 |
| Samoa | Middle OSI | 0.3638 | 0.7600 | 0.5556 | 0.2651 | 0.3014 | 0.5000 | Middle EGDI | 0.4899 |
| San Marino | Middle OSI | 0.3575 | 0.7200 | 0.7778 | 0.3976 | 0.1233 | 0.3125 | High EGDI | 0.6551 |

Table 7 (continued)

| Country | OSI Group | OSI 2024 | IF | CP | SP | EPI | TEC | EGDI Group | EGDI 2024 |
|-----------------------|---------------|----------|--------|--------|--------|--------|--------|----------------|-----------|
| Sao Tome and Principe | Low OSI | 0.2156 | 0.4800 | 0.4444 | 0.1687 | 0.1644 | 0.2500 | Middle EGDI | 0.4308 |
| Saudi Arabia | Very High OSI | 0.9899 | 1.0000 | 1.0000 | 0.9880 | 0.9589 | 0.8750 | Very High EGDI | 0.9602 |
| Senegal | Middle OSI | 0.4779 | 0.7600 | 0.5556 | 0.4699 | 0.4247 | 0.1875 | High EGDI | 0.5162 |
| Serbia | Very High OSI | 0.8540 | 0.9200 | 1.0000 | 0.7952 | 0.8904 | 0.6250 | Very High EGDI | 0.8618 |
| Seychelles | Middle OSI | 0.4638 | 0.6800 | 0.5556 | 0.4940 | 0.3014 | 0.6250 | High EGDI | 0.6773 |
| Sierra Leone | Middle OSI | 0.3823 | 0.8000 | 0.5556 | 0.2651 | 0.3288 | 0.5625 | Middle EGDI | 0.3042 |
| Singapore | Very High OSI | 0.9831 | 1.0000 | 1.0000 | 0.9639 | 0.9589 | 0.9375 | Very High EGDI | 0.9691 |
| Slovakia | High OSI | 0.7097 | 0.9600 | 0.7778 | 0.6506 | 0.6986 | 0.5000 | Very High EGDI | 0.8021 |
| Slovenia | Very High OSI | 0.8640 | 0.9200 | 1.0000 | 0.8916 | 0.7808 | 0.6875 | Very High EGDI | 0.8759 |
| Solomon Islands | Middle OSI | 0.4970 | 0.8000 | 0.6667 | 0.4940 | 0.3699 | 0.4375 | Middle EGDI | 0.3681 |
| Somalia | Middle OSI | 0.2971 | 0.8000 | 0.3333 | 0.1325 | 0.2877 | 0.5625 | Low EGDI | 0.1468 |
| South Africa | Very High OSI | 0.8872 | 1.0000 | 0.8889 | 0.8916 | 0.8356 | 0.6875 | Very High EGDI | 0.8616 |
| South Sudan | Low OSI | 0.1504 | 0.1600 | 0.1111 | 0.1807 | 0.1096 | 0.3750 | Low EGDI | 0.1191 |
| Spain | Very High OSI | 0.9054 | 1.0000 | 1.0000 | 0.9398 | 0.8082 | 0.6875 | Very High EGDI | 0.9206 |
| Sri Lanka | High OSI | 0.5494 | 0.9200 | 0.3333 | 0.5663 | 0.4110 | 0.5625 | High EGDI | 0.6667 |
| Sudan | Low OSI | 0.1293 | 0.2400 | 0.3333 | 0.1325 | 0.0685 | 0.2500 | Middle EGDI | 0.2759 |
| Suriname | Middle OSI | 0.4814 | 0.8000 | 0.6667 | 0.5301 | 0.2877 | 0.3750 | High EGDI | 0.6365 |
| Sweden | Very High OSI | 0.8836 | 0.8400 | 1.0000 | 0.9398 | 0.7945 | 0.7500 | Very High EGDI | 0.9326 |
| Switzerland | Very High OSI | 0.8408 | 1.0000 | 0.8889 | 0.8072 | 0.8219 | 0.6250 | Very High EGDI | 0.9003 |
| Syrian Arab Republic | Middle OSI | 0.3068 | 0.8000 | 0.5556 | 0.3373 | 0.0685 | 0.2500 | Middle EGDI | 0.3888 |
| Tajikistan | Middle OSI | 0.4476 | 0.8400 | 0.5556 | 0.4578 | 0.2740 | 0.4375 | High EGDI | 0.5606 |
| Thailand | Very High OSI | 0.7611 | 1.0000 | 0.8889 | 0.6988 | 0.7534 | 0.5000 | Very High EGDI | 0.8351 |
| Timor-Leste | Middle OSI | 0.3406 | 0.6400 | 0.6667 | 0.2410 | 0.3288 | 0.3125 | Middle EGDI | 0.4020 |
| Togo | Middle OSI | 0.4472 | 0.8000 | 0.5556 | 0.3253 | 0.4521 | 0.5000 | Middle EGDI | 0.3920 |
| Tonga | Middle OSI | 0.3220 | 0.4400 | 0.6667 | 0.2410 | 0.3288 | 0.4375 | High EGDI | 0.5164 |

Table 7 (continued)

| Country | OSI Group | OSI 2024 | IF | CP | SP | EPI | TEC | EGDI Group | EGDI 2024 |
|--|---------------|----------|--------|--------|--------|--------|--------|----------------|-----------|
| Trinidad and Tobago | High OSI | 0.5999 | 0.9600 | 0.7778 | 0.6506 | 0.3288 | 0.7500 | High EGDI | 0.6973 |
| Tunisia | High OSI | 0.5951 | 0.9600 | 0.7778 | 0.5904 | 0.4521 | 0.4375 | High EGDI | 0.6935 |
| Türkiye | Very High OSI | 0.9225 | 1.0000 | 1.0000 | 0.9277 | 0.8630 | 0.7500 | Very High EGDI | 0.8913 |
| Turkmenistan | Middle OSI | 0.2506 | 0.5600 | 0.4444 | 0.3253 | 0.0411 | 0.1875 | Middle EGDI | 0.4757 |
| Tuvalu | Low OSI | 0.1944 | 0.4800 | 0.2222 | 0.2289 | 0.0685 | 0.1875 | Middle EGDI | 0.4042 |
| Uganda | High OSI | 0.6069 | 0.8800 | 0.7778 | 0.6506 | 0.4384 | 0.4375 | Middle EGDI | 0.4464 |
| Ukraine | Very High OSI | 0.9854 | 0.9600 | 1.0000 | 0.9759 | 1.0000 | 0.7500 | Very High EGDI | 0.8841 |
| United Arab Emirates | Very High OSI | 0.9163 | 1.0000 | 1.0000 | 0.9759 | 0.7808 | 0.7500 | Very High EGDI | 0.9533 |
| United Kingdom of Great Britain and Northern Ireland | Very High OSI | 0.9535 | 0.9600 | 0.7778 | 0.9518 | 0.9726 | 0.7500 | Very High EGDI | 0.9577 |
| United Republic of Tanzania | Middle OSI | 0.4791 | 0.8800 | 0.6667 | 0.4578 | 0.2877 | 0.6875 | Middle EGDI | 0.4327 |
| United States of America | Very High OSI | 0.9136 | 1.0000 | 0.8839 | 0.8675 | 0.9452 | 0.6875 | Very High EGDI | 0.9194 |
| Uruguay | Very High OSI | 0.8832 | 1.0000 | 1.0000 | 0.8313 | 0.8630 | 0.8125 | Very High EGDI | 0.9006 |
| Uzbekistan | Very High OSI | 0.7648 | 0.9200 | 0.7778 | 0.7590 | 0.6986 | 0.6875 | Very High EGDI | 0.7999 |
| Vanuatu | Middle OSI | 0.4769 | 0.8000 | 0.6667 | 0.3855 | 0.4658 | 0.3750 | High EGDI | 0.5427 |
| Venezuela, Bolivarian Republic of | Middle OSI | 0.3576 | 0.7600 | 0.4444 | 0.3614 | 0.2192 | 0.2500 | High EGDI | 0.5360 |
| Viet Nam | High OSI | 0.7081 | 0.9600 | 0.7778 | 0.7108 | 0.6027 | 0.5625 | Very High EGDI | 0.7709 |
| Yemen | Low OSI | 0.1377 | 0.3200 | 0.3333 | 0.0482 | 0.1507 | 0.3750 | Low EGDI | 0.2317 |
| Zambia | Middle OSI | 0.4958 | 0.7600 | 0.3333 | 0.4940 | 0.4110 | 0.5625 | High EGDI | 0.5424 |
| Zimbabwe | Middle OSI | 0.4100 | 0.7600 | 0.5556 | 0.3976 | 0.2740 | 0.4375 | Middle EGDI | 0.4481 |

Table 8 Online Service Index (OSI) features accessed

| Components | Feature |
|-------------------------|---|
| Technology | Government portal(s) ease of finding Advanced Search features Sitemap/Index Help feature/FAQs section Contact us feature National portal(s)/utilize HTTPS Responsive web design Evidence of being updated in the past month Advanced search options Mark favorite/most used online services Access to list of previous interactions/transactions Availability of Tutorials or guidance to understand and use online services/Help link Accessibility by citizens to own data Possibility for citizens to modify own data Accessibility by businesses to own data |
| Institutional Framework | Existence of national government portal (s) Information available on the organizational structure and/or chart of the government Names/titles of heads of government agencies/departments/ministries available on the national portal(s) Links to any sub-national/local government institutions/agencies Privacy statement(s) available Digital ID to access online services National e-Government/Digital Government strategy or equivalent available Information on citizens' rights to access government information Legislation/law/policy/regulation on personal data protection Legislation/law/policy/regulation on cybersecurity Information/contact about a national CIO or equivalent Legislation/law/policy/regulation on e-participation Legislation/law/policy/regulation on Open Government Data Link to the sector or ministerial website on HEALTH /EDUCATION /EMPLOYMENT AND/OR LABOR/ SOCIAL PROTECTION/ENVIRONMENT/ JUSTICE Information on policies related to HEALTH /EDUCATION/ EMPLOYMENT AND/OR LABOR/ SOCIAL PROTECTION/ ENVIRONMENT/ JUSTICE Availability of National Data strategy or Policy. |
| Content Provision | National portal(s) available in more than ONE official language Information available about payments for government services through channels other than online Announcements of forthcoming procurement/ bidding processes Information about results of procurement/bidding processes online Information about service provision in partnership with the private sector Evidence of free access to services through kiosks, community centers, post offices, libraries, public spaces, or free Wi-Fi Web statistics on usage of the online features/services Information on available scholarships or other forms of government funding for EDUCATION Links and references for EMPLOYMENT for youth Information on how older persons can apply for long term care. |

Table 8 (continued)

| Components | Feature |
|--------------------|---|
| E-Participation | E-participation portal(s) Availability of social networking feature(s) Live chat support functionality leave feedback option to improve usability and/or accessibility of e-services Report corruption by public servants or institutions Calendar or announcements about any upcoming public engagement or e-participation activities Online tools to obtain raw (non-deliberative) inputs for policy deliberation Evidence of any outcome of e-consultations resulted in new policy decisions/regulations/services Open government data portal In Open Data Portal availability of data dictionary or metadata repository Guidance or toolkit on using Open Government datasets Possibility to propose/request new open datasets be made available online Information about the organization of competitions/hackathons/events around the use of open government data Open Government dataset(s) on national government expenditures (budget) Availability of GIS or other geospatial data Evidence of user satisfaction of online or mobile services Information on government expenditures (budget) on HEALTH/ EDUCATION/ ENVIRONMENT/ EMPLOYMENT/ SOCIAL PROTECTION/ ENVIRONMENT/ JUSTICE Information about upcoming consultations intended to involve people in the past 12 months (HEALTH/ EDUCATION/ ENVIRONMENT/ SOCIAL PROTECTION/ ENVIRONMENT/ JUSTICE) Information about having held online consultations via forums, polls, questionnaires etc. intended to involve people in the past 12 months (HEALTH/ EDUCATION/ EMPLOYMENT/ SOCIAL PROTECTION/ ENVIRONMENT/ JUSTICE) Evidence that people's voices were included in the actual decision-making in the past 12 months (HEALTH/ EDUCATION/ EMPLOYMENT/ SOCIAL PROTECTION/ ENVIRONMENT/ JUSTICE) Open Government dataset(s) on HEALTH/ EDUCATION/ EMPLOYMENT/ SOCIAL PROTECTION/ ENVIRONMENT/ JUSTICE Report online a violation of labor laws Availability of feature for participatory budgeting or similar mechanism Evidence of open data license for open government datasets Open Government datasets) on budget/expenditure in EDUCATION/ EMPLOYMENT/ ENVIRONMENT/ HEALTH/ JUSTICE /SOCIAL PROTECTION? Evidence of real time open government dataset(s) Evidence of any cocreation and/or co-production of e-service (HEALTH/ EDUCATION/ EMPLOYMENT/ ENVIRONMENT/ JUSTICE) Evidence of e-petition or similar mechanism Evidence that people's voices were included in the policy decision-making on issues related to vulnerable group in the past 12 months (for immigrants, older people, persons living below poverty line, persons with disabilities, women, youth). |
| Services Provision | Evidence of One-Stop-Shop portal(s) E-procurement platform for bidding processes/submission of tenders Service provision on Income taxes Online provision for: Value Added Tax (VAT), Goods & Services Tax (GST) or equivalent Apply online for: Visa to enter or transit Registration or renewal for a: Vehicle (car, truck, motorcycle, and others) Online declaration to the police Notify of moving/changing an address online Registration for a new company or business entity Apply/request Birth certificates Death certificates Marriage certificates Personal Identity Cards Drivers license Land title registration Environment-related permits Building permits Business licenses Apply for Government vacancy positions Pay online for government fees or fines Water utility Energy/electricity/gas utility Digital invoices provision of GIS or other geospatial related online services Business tax filing Mobile service provision available through i) smartphone apps; ii) SMS services; or iii) mobile browser (for HEALTH, EDUCATION, EMPLOYMENT, SOCIAL PROTECTION, ENVIRONMENT, JUSTICE) Students can apply for government scholarships and fellowships programme Users can apply for: Social protection programs Services available to the following vulnerable groups: poor (below poverty line) /persons with disabilities. /older persons / immigrants, migrant workers, refugees, and internally displaced persons / women /youth Eligibility and/or procedure on applying for citizenship or residency Apply for: Receiving an affidavit of criminal record/background clearance Access to justice: retrieve information / file (open) online; / manage of court cases Services provided to people retiring from job Apply for benefits due to illness and injury Apply for child benefits Apply for disability compensation benefits Apply online for maternal or newborn benefits Apply or file for unemployment benefits. |

Table 9 E-participation Index and its components

| Country | EPI Group | EPI 2024 | Rank | E-information | E-consultation | E-decisionmaking | EGDI Group | EGDI 2024 |
|------------------------|---------------|----------|------|---------------|----------------|------------------|----------------|-----------|
| Afghanistan | Low EPI | 0.1096 | 177 | 0 | 0 | 0.16 | Low EGDI | 0.2083 |
| Albania | High EPI | 0.726 | 49 | 0.7778 | 0.5 | 0.78 | Very High EGDI | 0.8000 |
| Algeria | Low EPI | 0.0548 | 187 | 0.1111 | 0 | 0.06 | High EGDI | 0.5956 |
| Andorra | High EPI | 0.5479 | 78 | 0.3333 | 0.0714 | 0.72 | High EGDI | 0.6893 |
| Angola | Low EPI | 0.2192 | 152 | 0.2222 | 0.0714 | 0.26 | Middle EGDI | 0.4149 |
| Antigua and Barbuda | Middle EPI | 0.3425 | 118 | 0 | 0 | 0.5 | High EGDI | 0.6428 |
| Argentina | High EPI | 0.6301 | 68 | 0.6667 | 0.1429 | 0.76 | Very High EGDI | 0.8573 |
| Armenia | Very High EPI | 0.8493 | 27 | 0.6667 | 0.9286 | 0.86 | Very High EGDI | 0.8422 |
| Australia | Very High EPI | 0.863 | 22 | 1 | 0.7857 | 0.86 | Very High EGDI | 0.9577 |
| Austria | Very High EPI | 0.7808 | 37 | 0.6667 | 0.4286 | 0.9 | Very High EGDI | 0.9065 |
| Azerbaijan | Middle EPI | 0.4932 | 88 | 0.4444 | 0 | 0.64 | Very High EGDI | 0.7607 |
| Bahamas | Middle EPI | 0.3151 | 127 | 0 | 0.1429 | 0.42 | High EGDI | 0.7143 |
| Bahrain | Very High EPI | 0.9041 | 18 | 1 | 0.9286 | 0.88 | Very High EGDI | 0.9196 |
| Bangladesh | High EPI | 0.6164 | 70 | 0.8889 | 0.0714 | 0.72 | High EGDI | 0.6570 |
| Barbados | Middle EPI | 0.3288 | 120 | 0.1111 | 0 | 0.46 | High EGDI | 0.6815 |
| Belarus | Middle EPI | 0.4932 | 88 | 0.2222 | 0.2857 | 0.6 | High EGDI | 0.7445 |
| Belgium | High EPI | 0.5068 | 85 | 0.1111 | 0.1429 | 0.68 | Very High EGDI | 0.8121 |
| Belize | Low EPI | 0.2329 | 148 | 0 | 0 | 0.34 | Middle EGDI | 0.4872 |
| Benin | Middle EPI | 0.3699 | 115 | 0.2222 | 0.2857 | 0.42 | Middle EGDI | 0.4578 |
| Bhutan | Middle EPI | 0.4932 | 88 | 0.3333 | 0.2857 | 0.58 | High EGDI | 0.6511 |
| Bolivia | Middle EPI | 0.4247 | 105 | 0.1111 | 0.0714 | 0.58 | High EGDI | 0.6651 |
| Bosnia and Herzegovina | High EPI | 0.5479 | 78 | 0.4444 | 0 | 0.72 | High EGDI | 0.6329 |
| Botswana | Middle EPI | 0.274 | 141 | 0 | 0 | 0.4 | High EGDI | 0.6118 |
| Brazil | Very High EPI | 0.863 | 22 | 1 | 0.4286 | 0.96 | Very High EGDI | 0.8403 |
| Brunei Darussalam | Middle EPI | 0.4658 | 94 | 0.3333 | 0.0714 | 0.6 | Very High EGDI | 0.7554 |
| Bulgaria | High EPI | 0.6712 | 59 | 0.8889 | 0.1429 | 0.78 | Very High EGDI | 0.8145 |

Table 9 (continued)

| Country | EPI Group | EPI 2024 | Rank | E-information | E-consultation | E-decisionmaking | EDGI Group | EGDI 2024 |
|---------------------------------------|---------------|----------|------|---------------|----------------|------------------|----------------|-----------|
| Burkina Faso | Low EPI | 0.2192 | 152 | 0.1111 | 0 | 0.3 | Middle EGDI | 0.2895 |
| Burundi | Low EPI | 0.2192 | 152 | 0 | 0.3571 | 0.22 | Low EGDI | 0.2480 |
| Cabo Verde | High EPI | 0.5479 | 78 | 0.1111 | 0 | 0.78 | High EGDI | 0.6238 |
| Cambodia | Middle EPI | 0.3151 | 127 | 0 | 0 | 0.46 | High EGDI | 0.5754 |
| Cameroon | Middle EPI | 0.4247 | 105 | 0.1111 | 0.0714 | 0.58 | Middle EGDI | 0.4294 |
| Canada | Very High EPI | 0.9178 | 15 | 0.7778 | 0.7143 | 1 | Very High EGDI | 0.8452 |
| Central African Republic | Low EPI | 0.0822 | 182 | 0 | 0 | 0.12 | Low EGDI | 0.0947 |
| Chad | Middle EPI | 0.3151 | 127 | 0 | 0.0714 | 0.44 | Low EGDI | 0.1785 |
| Chile | Very High EPI | 0.8356 | 29 | 0.4444 | 0.7143 | 0.94 | Very High EGDI | 0.8827 |
| China | Very High EPI | 0.9315 | 12 | 1 | 0.8571 | 0.94 | Very High EGDI | 0.8718 |
| Colombia | High EPI | 0.7397 | 46 | 0.3333 | 0.4286 | 0.9 | Very High EGDI | 0.7793 |
| Comoros | Low EPI | 0 | 192 | 0 | 0 | 0 | Middle EGDI | 0.2586 |
| Congo | Low EPI | 0.0822 | 182 | 0 | 0 | 0.12 | Middle EGDI | 0.3391 |
| Costa Rica | High EPI | 0.726 | 49 | 0.7778 | 0.4286 | 0.8 | Very High EGDI | 0.8009 |
| Côte d'Ivoire | Middle EPI | 0.411 | 108 | 0.2222 | 0.1429 | 0.52 | Very High EGDI | 0.8818 |
| Croatia | Very High EPI | 0.9178 | 15 | 0.8889 | 0.8571 | 0.94 | Middle EGDI | 0.4921 |
| Cuba | Low EPI | 0.0548 | 187 | 0 | 0 | 0.08 | Very High EGDI | 0.8619 |
| Cyprus | High EPI | 0.6986 | 53 | 0.3333 | 0.1429 | 0.92 | Very High EGDI | 0.8239 |
| Czech Republic | High EPI | 0.589 | 74 | 0.2222 | 0.2143 | 0.76 | High EGDI | 0.5587 |
| Democratic People's Republic of Korea | Low EPI | 0 | 192 | 0 | 0 | 0 | Low EGDI | 0.2320 |
| Democratic Republic of the Congo | Low EPI | 0.2466 | 146 | 0 | 0 | 0.36 | Middle EGDI | 0.2715 |
| Denmark | Very High EPI | 0.9863 | 2 | 1 | 1 | 0.98 | Very High EGDI | 0.9847 |
| Djibouti | Low EPI | 0.0959 | 179 | 0 | 0 | 0.14 | Middle EGDI | 0.2911 |
| Dominica | Middle EPI | 0.3014 | 130 | 0 | 0 | 0.44 | High EGDI | 0.5445 |
| Dominican Republic | High EPI | 0.6575 | 61 | 0.2222 | 0.4286 | 0.8 | High EGDI | 0.7013 |
| Ecuador | Very High EPI | 0.8767 | 21 | 0.7778 | 0.9286 | 0.88 | Very High EGDI | 0.7800 |

Table 9 (continued)

| Country | EPI Group | EPI 2024 | Rank | E-information | E-consultation | E-decisionmaking | EDGI Group | EGDI 2024 |
|-------------------|---------------|----------|------|---------------|----------------|------------------|----------------|-----------|
| Egypt | High EPI | 0.589 | 74 | 0.8889 | 0.1429 | 0.66 | High EGDI | 0.6699 |
| El Salvador | Middle EPI | 0.3836 | 113 | 0.3333 | 0 | 0.5 | High EGDI | 0.5988 |
| Equatorial Guinea | Low EPI | 0.2329 | 148 | 0.1111 | 0 | 0.32 | Middle EGDI | 0.2855 |
| Eritrea | Low EPI | 0.0137 | 190 | 0 | 0 | 0.02 | Low EGDI | 0.1576 |
| Estonia | Very High EPI | 0.9589 | 7 | 0.8889 | 0.8571 | 1 | Very High EGDI | 0.9727 |
| Eswatini | Middle EPI | 0.3836 | 113 | 0.2222 | 0 | 0.52 | High EGDI | 0.6081 |
| Ethiopia | Low EPI | 0.1644 | 166 | 0.1111 | 0.0714 | 0.2 | Middle EGDI | 0.3111 |
| Fiji | Middle EPI | 0.3973 | 112 | 0.2222 | 0.0714 | 0.52 | High EGDI | 0.6754 |
| Finland | Very High EPI | 0.8904 | 19 | 0.7778 | 0.7143 | 0.96 | Very High EGDI | 0.9575 |
| France | Very High EPI | 0.8082 | 33 | 0.5556 | 0.5714 | 0.92 | Very High EGDI | 0.8744 |
| Gabon | Low EPI | 0.1233 | 174 | 0.1111 | 0 | 0.16 | High EGDI | 0.5741 |
| Gambia | Low EPI | 0.1781 | 164 | 0 | 0 | 0.26 | Middle EGDI | 0.2552 |
| Georgia | High EPI | 0.5616 | 77 | 0.4444 | 0.2143 | 0.68 | Very High EGDI | 0.7792 |
| Germany | Very High EPI | 0.9726 | 4 | 1 | 0.8571 | 1 | Very High EGDI | 0.9382 |
| Ghana | High EPI | 0.5342 | 82 | 0.4444 | 0 | 0.7 | High EGDI | 0.6317 |
| Greece | High EPI | 0.6712 | 59 | 0.6667 | 0.7143 | 0.66 | Very High EGDI | 0.8674 |
| Grenada | Low EPI | 0.2466 | 146 | 0.1111 | 0 | 0.34 | High EGDI | 0.6458 |
| Guatemala | Middle EPI | 0.4658 | 94 | 0.1111 | 0.0714 | 0.64 | High EGDI | 0.5738 |
| Guinea | High EPI | 0.5068 | 85 | 0 | 0.0714 | 0.72 | Middle EGDI | 0.4006 |
| Guinea-Bissau | Low EPI | 0.2192 | 152 | 0 | 0 | 0.32 | Middle EGDI | 0.3083 |
| Guyana | Low EPI | 0.2192 | 152 | 0 | 0 | 0.28 | High EGDI | 0.5443 |
| Haiti | Middle EPI | 0.3014 | 130 | 0.3333 | 0.2857 | 0.3 | Middle EGDI | 0.4856 |
| Honduras | High EPI | 0.5479 | 78 | 0.1111 | 0.1429 | 0.74 | Very High EGDI | 0.8043 |
| Hungary | Very High EPI | 0.9589 | 7 | 0.8889 | 1 | 0.96 | Very High EGDI | 0.9671 |
| Iceland | High EPI | 0.6575 | 61 | 0.3333 | 0.0714 | 0.88 | High EGDI | 0.6678 |
| India | | | | | | | | |

Table 9 (continued)

| Country | EPI Group | EPI 2024 | Rank | E-information | E-consultation | E-decisionmaking | EDGI Group | EGDI 2024 |
|----------------------------------|---------------|----------|------|---------------|----------------|------------------|----------------|-----------|
| Indonesia | Very High EPI | 0.7945 | 35 | 0.5556 | 0.7143 | 0.86 | Very High EGDI | 0.7991 |
| Iran (Islamic Republic of) | Low EPI | 0.1781 | 164 | 0.3333 | 0 | 0.2 | High EGDI | 0.6564 |
| Iraq | Low EPI | 0.0959 | 179 | 0.2222 | 0 | 0.1 | Middle EGDI | 0.4572 |
| Ireland | Very High EPI | 0.9178 | 15 | 0.7778 | 0.9286 | 0.94 | Very High EGDI | 0.9138 |
| Israel | High EPI | 0.6986 | 53 | 0.6667 | 0.5714 | 0.74 | Very High EGDI | 0.9014 |
| Italy | High EPI | 0.6575 | 61 | 0.6667 | 0.1429 | 0.8 | Very High EGDI | 0.8356 |
| Jamaica | Middle EPI | 0.4384 | 102 | 0.2222 | 0.2143 | 0.54 | High EGDI | 0.6678 |
| Japan | Very High EPI | 0.9863 | 2 | 1 | 0.9286 | 1 | Very High EGDI | 0.9351 |
| Jordan | High EPI | 0.6164 | 70 | 0.5556 | 0 | 0.8 | High EGDI | 0.6849 |
| Kazakhstan | Very High EPI | 0.8493 | 27 | 1 | 0.4286 | 0.94 | Very High EGDI | 0.9009 |
| Kenya | High EPI | 0.5205 | 83 | 0.2222 | 0.4286 | 0.6 | High EGDI | 0.6314 |
| Kiribati | Middle EPI | 0.3288 | 120 | 0.2222 | 0 | 0.44 | Middle EGDI | 0.4572 |
| Kuwait | Middle EPI | 0.3014 | 130 | 0.2222 | 0 | 0.4 | Very High EGDI | 0.7812 |
| Kyrgyzstan | Middle EPI | 0.4658 | 94 | 0.4444 | 0.0714 | 0.58 | High EGDI | 0.7316 |
| Lao People's Democratic Republic | Middle EPI | 0.2877 | 137 | 0 | 0.0714 | 0.4 | Middle EGDI | 0.4404 |
| Latvia | Very High EPI | 0.7808 | 37 | 0.5556 | 0.4286 | 0.92 | Very High EGDI | 0.8852 |
| Lebanon | Middle EPI | 0.4658 | 94 | 0.2222 | 0 | 0.64 | High EGDI | 0.5449 |
| Lesotho | Low EPI | 0.2055 | 159 | 0.1111 | 0 | 0.28 | Middle EGDI | 0.4123 |
| Liberia | Low EPI | 0.1644 | 166 | 0 | 0 | 0.24 | Middle EGDI | 0.2513 |
| Libya | Low EPI | 0.0137 | 190 | 0 | 0 | 0.02 | High EGDI | 0.5466 |
| Liechtenstein | High EPI | 0.6575 | 61 | 0.4444 | 0.2143 | 0.82 | Very High EGDI | 0.8528 |
| Lithuania | Very High EPI | 0.8356 | 29 | 0.5556 | 0.6429 | 0.94 | Very High EGDI | 0.9110 |
| Luxembourg | High EPI | 0.6301 | 68 | 0.3333 | 0.5 | 0.72 | Very High EGDI | 0.8466 |
| Madagascar | Middle EPI | 0.3014 | 130 | 0.3333 | 0 | 0.38 | Middle EGDI | 0.3235 |
| Malawi | Middle EPI | 0.4521 | 99 | 0.1111 | 0.0714 | 0.62 | Middle EGDI | 0.3753 |
| Malaysia | High EPI | 0.6986 | 53 | 0.3333 | 0.5 | 0.82 | Very High EGDI | 0.8111 |

Table 9 (continued)

| Country | EPI Group | EPI 2024 | Rank | E-information | E-consultation | E-decisionmaking | EGDI Group | EGDI 2024 |
|----------------------------------|---------------|----------|------|---------------|----------------|------------------|----------------|-----------|
| Maldives | Middle EPI | 0.4795 | 92 | 0.2222 | 0 | 0.66 | High EGDI | 0.6745 |
| Mali | Middle EPI | 0.274 | 141 | 0.1111 | 0 | 0.38 | Middle EGDI | 0.3005 |
| Malta | High EPI | 0.7397 | 46 | 0.5556 | 0.5 | 0.84 | Very High EGDI | 0.8886 |
| Marshall Islands | Middle EPI | 0.3288 | 120 | 0.1111 | 0.4286 | 0.34 | Middle EGDI | 0.4823 |
| Mauritania | Low EPI | 0.1233 | 174 | 0 | 0 | 0.18 | Middle EGDI | 0.3491 |
| Mauritius | Middle EPI | 0.411 | 108 | 0.2222 | 0.0714 | 0.54 | Very High EGDI | 0.7506 |
| Mexico | High EPI | 0.7397 | 46 | 0.3333 | 0.6429 | 0.84 | Very High EGDI | 0.7850 |
| Micronesia (Federated States of) | Low EPI | 0.137 | 172 | 0 | 0 | 0.2 | Middle EGDI | 0.3235 |
| Monaco | Low EPI | 0.1507 | 170 | 0.2222 | 0 | 0.18 | High EGDI | 0.7175 |
| Mongolia | Very High EPI | 0.7808 | 37 | 0.3333 | 0.5 | 0.94 | Very High EGDI | 0.8457 |
| Montenegro | High EPI | 0.5068 | 85 | 0.4444 | 0.0714 | 0.64 | High EGDI | 0.7211 |
| Morocco | Middle EPI | 0.4384 | 102 | 0.3333 | 0.1429 | 0.54 | High EGDI | 0.6841 |
| Mozambique | Low EPI | 0.2055 | 159 | 0.1111 | 0 | 0.28 | Middle EGDI | 0.2848 |
| Myanmar | Low EPI | 0.1644 | 166 | 0.3333 | 0 | 0.18 | High EGDI | 0.5001 |
| Namibia | Middle EPI | 0.274 | 141 | 0.2222 | 0 | 0.36 | High EGDI | 0.6007 |
| Nauru | Low EPI | 0.2329 | 148 | 0 | 0 | 0.34 | Middle EGDI | 0.4454 |
| Nepal | Low EPI | 0.2192 | 152 | 0.1111 | 0 | 0.3 | High EGDI | 0.5781 |
| Netherlands | Very High EPI | 0.9315 | 12 | 0.4444 | 0.5 | 0.96 | Very High EGDI | 0.9538 |
| New Zealand | Very High EPI | 0.9315 | 12 | 1 | 0.9286 | 0.92 | Very High EGDI | 0.9265 |
| Nicaragua | Low EPI | 0.2329 | 148 | 0 | 0 | 0.34 | High EGDI | 0.5318 |
| Niger | Low EPI | 0.2055 | 159 | 0.1111 | 0 | 0.28 | Low EGDI | 0.2116 |
| Nigeria | Middle EPI | 0.3699 | 115 | 0.2222 | 0.0714 | 0.48 | Middle EGDI | 0.4815 |
| North Macedonia | High EPI | 0.5753 | 76 | 0.3333 | 0 | 0.78 | High EGDI | 0.7070 |
| Norway | Very High EPI | 0.863 | 22 | 1 | 0.7857 | 0.86 | Very High EGDI | 0.9315 |
| Oman | High EPI | 0.6575 | 61 | 0.4444 | 0.4286 | 0.76 | Very High EGDI | 0.8576 |
| Pakistan | Middle EPI | 0.4932 | 88 | 0.3333 | 0.1429 | 0.62 | High EGDI | 0.5096 |

Table 9 (continued)

| Country | EPI Group | EPI 2024 | Rank | E-information | E-consultation | E-decisionmaking | EGDI Group | EGDI 2024 |
|----------------------------------|---------------|----------|------|---------------|----------------|------------------|----------------|-----------|
| Palau | Middle EPI | 0.3014 | 130 | 0.2222 | 0 | 0.4 | High EGDI | 0.5072 |
| Panama | High EPI | 0.5205 | 83 | 0.3333 | 0.0714 | 0.68 | High EGDI | 0.7298 |
| Papua New Guinea | Low EPI | 0.1918 | 163 | 0 | 0 | 0.28 | Middle EGDI | 0.3076 |
| Paraguay | High EPI | 0.6027 | 72 | 0.4444 | 0.1429 | 0.76 | High EGDI | 0.7251 |
| Peru | Very High EPI | 0.7534 | 42 | 0.3333 | 0.2857 | 0.96 | Very High EGDI | 0.8070 |
| Philippines | High EPI | 0.726 | 49 | 0.3333 | 0.6429 | 0.82 | Very High EGDI | 0.7621 |
| Poland | Very High EPI | 0.7534 | 42 | 0.3333 | 0.5714 | 0.88 | Very High EGDI | 0.8648 |
| Portugal | High EPI | 0.6438 | 66 | 0.4444 | 0.2857 | 0.78 | Very High EGDI | 0.8415 |
| Qatar | Middle EPI | 0.4795 | 92 | 0.3333 | 0.0714 | 0.62 | Very High EGDI | 0.8244 |
| Republic of Korea | Very High EPI | 0.9726 | 4 | 1 | 1 | 0.96 | Very High EGDI | 0.9679 |
| Republic of Moldova | High EPI | 0.726 | 49 | 0.6667 | 0.3571 | 0.84 | Very High EGDI | 0.7719 |
| Romania | High EPI | 0.6849 | 58 | 0.8889 | 0.0714 | 0.82 | Very High EGDI | 0.7636 |
| Russian Federation | High EPI | 0.6438 | 66 | 0.8889 | 0.1429 | 0.74 | Very High EGDI | 0.8532 |
| Rwanda | Very High EPI | 0.7534 | 42 | 0.5556 | 0.7143 | 0.8 | High EGDI | 0.5799 |
| Saint Kitts and Nevis | Low EPI | 0.2055 | 159 | 0 | 0 | 0.3 | High EGDI | 0.6305 |
| Saint Lucia | Low EPI | 0.137 | 172 | 0.1111 | 0.1429 | 0.14 | High EGDI | 0.5255 |
| Saint Vincent and the Grenadines | Middle EPI | 0.3425 | 118 | 0 | 0 | 0.5 | High EGDI | 0.5876 |
| Samoa | Middle EPI | 0.3014 | 130 | 0.1111 | 0 | 0.42 | Middle EGDI | 0.4899 |
| San Marino | Low EPI | 0.1233 | 174 | 0.2222 | 0 | 0.14 | High EGDI | 0.6551 |
| Sao Tome and Principe | Low EPI | 0.1644 | 166 | 0.2222 | 0 | 0.2 | Middle EGDI | 0.4308 |
| Saudi Arabia | Very High EPI | 0.9589 | 7 | 1 | 0.7857 | 1 | Very High EGDI | 0.9602 |
| Senegal | Middle EPI | 0.4247 | 105 | 0 | 0.0714 | 0.6 | High EGDI | 0.5162 |
| Serbia | Very High EPI | 0.8904 | 19 | 0.8889 | 0.7857 | 0.92 | Very High EGDI | 0.8618 |
| Seychelles | Middle EPI | 0.3014 | 130 | 0.2222 | 0.2143 | 0.34 | High EGDI | 0.6773 |
| Sierra Leone | Middle EPI | 0.3288 | 120 | 0.1111 | 0 | 0.46 | Middle EGDI | 0.3042 |
| Singapore | Very High EPI | 0.9589 | 7 | 0.8889 | 1 | 0.96 | Very High EGDI | 0.9691 |

Table 9 (continued)

| Country | EPI Group | EPI 2024 | Rank | E-information | E-consultation | E-decisionmaking | EGDI Group | EGDI 2024 |
|----------------------|---------------|----------|------|---------------|----------------|------------------|----------------|-----------|
| Slovakia | High EPI | 0.6986 | 53 | 0.3333 | 0.5714 | 0.8 | Very High EGDI | 0.8021 |
| Slovenia | Very High EPI | 0.7808 | 37 | 1 | 0.1429 | 0.92 | Very High EGDI | 0.8759 |
| Solomon Islands | Middle EPI | 0.3699 | 115 | 0 | 0 | 0.54 | Middle EGDI | 0.3681 |
| Somalia | Middle EPI | 0.2877 | 137 | 0.1111 | 0.2143 | 0.34 | Low EGDI | 0.1468 |
| South Africa | Very High EPI | 0.8356 | 29 | 0.7778 | 0.8571 | 0.84 | Very High EGDI | 0.8616 |
| South Sudan | Low EPI | 0.1096 | 177 | 0 | 0 | 0.16 | Low EGDI | 0.1191 |
| Spain | Very High EPI | 0.8082 | 33 | 0.5556 | 0.3571 | 0.98 | Very High EGDI | 0.9206 |
| Sri Lanka | Middle EPI | 0.411 | 108 | 0.2222 | 0.0714 | 0.54 | High EGDI | 0.6667 |
| Sudan | Low EPI | 0.0685 | 184 | 0.1111 | 0.0714 | 0.06 | Middle EGDI | 0.2759 |
| Suriname | Middle EPI | 0.2877 | 137 | 0 | 0 | 0.42 | High EGDI | 0.6365 |
| Sweden | Very High EPI | 0.7945 | 35 | 0.7778 | 0.2143 | 0.96 | Very High EGDI | 0.9326 |
| Switzerland | Very High EPI | 0.8219 | 32 | 0.2222 | 0.6429 | 0.98 | Very High EGDI | 0.9003 |
| Syrian Arab Republic | Low EPI | 0.0685 | 184 | 0.3333 | 0 | 0.04 | Middle EGDI | 0.3888 |
| Tajikistan | Middle EPI | 0.274 | 141 | 0.1111 | 0 | 0.38 | High EGDI | 0.5606 |
| Thailand | Very High EPI | 0.7534 | 42 | 0.7778 | 0.4286 | 0.84 | Very High EGDI | 0.8351 |
| Timor-Leste | Middle EPI | 0.3288 | 120 | 0.1111 | 0 | 0.46 | Middle EGDI | 0.4020 |
| Togo | Middle EPI | 0.4521 | 99 | 0.2222 | 0.3571 | 0.52 | Middle EGDI | 0.3920 |
| Tonga | Middle EPI | 0.3288 | 120 | 0.1111 | 0 | 0.46 | High EGDI | 0.5164 |
| Trinidad and Tobago | Middle EPI | 0.3288 | 120 | 0.1111 | 0.1429 | 0.42 | High EGDI | 0.6973 |
| Tunisia | Middle EPI | 0.4521 | 99 | 0 | 0.0714 | 0.64 | High EGDI | 0.6935 |
| Turkiye | Very High EPI | 0.863 | 22 | 0.8889 | 0.7143 | 0.9 | Very High EGDI | 0.8913 |
| Turkmenistan | Low EPI | 0.0411 | 189 | 0 | 0 | 0.06 | Middle EGDI | 0.4757 |
| Tuvalu | Low EPI | 0.0685 | 184 | 0 | 0 | 0.1 | Middle EGDI | 0.4042 |
| Uganda | Middle EPI | 0.4384 | 102 | 0.1111 | 0 | 0.62 | Middle EGDI | 0.4464 |
| Ukraine | Very High EPI | 1 | 1 | 1 | 1 | 1 | Very High EGDI | 0.8841 |
| United Arab Emirates | Very High EPI | 0.7808 | 37 | 0.5556 | 0.3571 | 0.94 | Very High EGDI | 0.9533 |

Table 9 (continued)

| Country | EPI Group | EPI 2024 | Rank | E-information | E-consultation | E-decisionmaking | EGDI Group | EGDI 2024 |
|--|---------------|----------|------|---------------|----------------|------------------|----------------|-----------|
| United Kingdom of Great Britain and Northern Ireland | Very High EPI | 0.9726 | 4 | 1 | 1 | 0.96 | Very High EGDI | 0.9577 |
| United Republic of Tanzania | Middle EPI | 0.2877 | 137 | 0.2222 | 0 | 0.38 | Middle EGDI | 0.4327 |
| United States of America | Very High EPI | 0.9452 | 11 | 1 | 1 | 0.92 | Very High EGDI | 0.9194 |
| Uruguay | Very High EPI | 0.863 | 22 | 1 | 0.5714 | 0.92 | Very High EGDI | 0.9006 |
| Uzbekistan | High EPI | 0.6986 | 53 | 0.3333 | 0.1429 | 0.92 | Very High EGDI | 0.7999 |
| Vanuatu | Middle EPI | 0.4658 | 94 | 0.3333 | 0.2143 | 0.56 | High EGDI | 0.5427 |
| Venezuela | Low EPI | 0.2192 | 152 | 0.1111 | 0 | 0.3 | High EGDI | 0.5360 |
| Viet Nam | High EPI | 0.6027 | 72 | 0.5556 | 0.1429 | 0.74 | Very High EGDI | 0.7709 |
| Yemen | Low EPI | 0.1507 | 170 | 0 | 0 | 0.22 | Low EGDI | 0.2317 |
| Zambia | Middle EPI | 0.411 | 108 | 0 | 0.0714 | 0.58 | High EGDI | 0.5424 |
| Zimbabwe | Middle EPI | 0.274 | 141 | 0 | 0.1429 | 0.36 | Middle EGDI | 0.4481 |

Table 10 Human Capital Index (HCI) and its components

| Country | HCI Group | HCI Index 2024 | Adult Literacy (%) | Gross Enrollment Ratio | Expected Year of Schooling | Mean Year of Schooling | E-government literacy | EDGI Group | EGDI 2024 | | | | | | | | | | |
|-------------------------------------|---------------|----------------------|--------------------|------------------------|----------------------------|------------------------|-----------------------|----------------|--------------|------|--------|------|------|------|--------|------|---------|----------------|--------|
| | | Index Value | Year | Source | Index Value | Year | Source | Index Value | Year | | | | | | | | | | |
| Afghanistan | Middle HCI | 0.2643 | 37.27 | 2021 | UNESCO | 64.43 | 2018 | UNESCO | 10.54 | 2018 | UNESCO | 3 | 2021 | UNDP | 0.0556 | 2024 | UN-DESA | Low EGDI | 0.2083 |
| Albania | Very High HCI | 0.8106 | 98.5 | 2022 | UNESCO | 84.76 | 2022 | UNESCO | 14.49 | 2022 | UNESCO | 11.3 | 2021 | UNDP | 0.7778 | 2024 | UN-DESA | Very High EGDI | 0.8000 |
| Algeria | High HCI | 0.6418 | 81.41 | 2018 | UNESCO | 94.94 | 2022 | UNESCO | 15.49 | 2022 | UNESCO | 8.1 | 2021 | UNDP | 0.1111 | 2024 | UN-DESA | High EGDI | 0.5956 |
| Andorra | High HCI | 0.6668 | 100 | 2016 | UNESCO | 76.71 | 2022 | UNESCO | 12.78 | 2022 | UNESCO | 10.6 | 2021 | UNDP | 0.2778 | 2024 | UN-DESA | High EGDI | 0.6893 |
| Angola | Middle HCI | 0.476 | 72.4 | 2022 | UNESCO | 61.3 | 2011 | UNESCO | 12.2 | 2021 | UNDP | 5.4 | 2021 | UNDP | 0.3889 | 2024 | UN-DESA | Middle EGDI | 0.4149 |
| Antigua and Barbuda | High HCI | 0.7176 | 98.95 | 2015 | UNESCO | 87.76 | 2012 | UNESCO | 14.2 | 2021 | UNDP | 9.3 | 2021 | UNDP | 0.3889 | 2024 | UN-DESA | High EGDI | 0.6428 |
| Argentina | Very High HCI | 0.933 | 99 | 2018 | UNESCO | 100 | 2021 | UNESCO | 18.98 | 2021 | UNESCO | 11.1 | 2021 | UNDP | 0.8333 | 2024 | UN-DESA | Very High EGDI | 0.8573 |
| Armenia | Very High HCI | 0.8561 | 99.79 | 2020 | UNESCO | 86.24 | 2022 | UNESCO | 14.41 | 2022 | UNESCO | 11.3 | 2021 | UNDP | 1 | 2024 | UN-DESA | Very High EGDI | 0.8422 |
| Australia | Very High HCI | 1 | 99 | 2014 | UNESCO | 121.45 | 2021 | UNESCO | 21.08 | 2021 | UNESCO | 12.7 | 2021 | UNDP | 0.8889 | 2024 | UN-DESA | Very High EGDI | 0.9577 |
| Austria | Very High HCI | 0.9003 | 99 | 2014 | UNESCO | 100.36 | 2021 | UNESCO | 16.37 | 2021 | UNESCO | 12.3 | 2021 | UNDP | 0.7778 | 2024 | UN-DESA | Very High EGDI | 0.9065 |
| Azerbaijan | High HCI | 0.7233 | 99.8 | 2019 | UNESCO | 77.17 | 2022 | UNESCO | 12.71 | 2022 | UNESCO | 10.5 | 2021 | UNDP | 0.6111 | 2024 | UN-DESA | Very High EGDI | 0.7607 |
| Bahamas | High HCI | 0.7376 | 95.8 | 2014 | UNESCO | 74 | 2014 | UNESCO | 12.9 | 2021 | UNDP | 12.6 | 2021 | UNDP | 0.6111 | 2024 | UN-DESA | High EGDI | 0.7143 |
| Bahrain | Very High HCI | 0.868 | 90.98 | 2010 | UNESCO | 97.16 | 2022 | UNESCO | 16.3 | 2022 | UNESCO | 11 | 2021 | UNDP | 0.8889 | 2024 | UN-DESA | Very High EGDI | 0.9196 |
| Bangladesh | High HCI | 0.5834 | 74.91 | 2020 | UNESCO | 70.16 | 2022 | UNESCO | 11.95 | 2020 | UNESCO | 7.4 | 2021 | UNDP | 0.6667 | 2024 | UN-DESA | High EGDI | 0.6570 |
| Barbados | Very High HCI | 0.7845 | 99.6 | 2014 | UNESCO | 95.69 | 2011 | UNESCO | 15.7 | 2021 | UNDP | 9.9 | 2021 | UNDP | 0.4444 | 2024 | UN-DESA | High EGDI | 0.6815 |
| Belarus | High HCI | 0.7419 | 99.87 | 2019 | UNESCO | 88.55 | 2022 | UNESCO | 13.98 | 2022 | UNESCO | 12.1 | 2021 | UNDP | 0.2778 | 2024 | UN-DESA | High EGDI | 0.7445 |
| Belgium | Very High HCI | 0.8442 | 99 | 2014 | UNESCO | 113.18 | 2021 | UNESCO | 18.95 | 2021 | UNESCO | 10.4 | 2021 | UNDP | 0.3889 | 2024 | UN-DESA | Very High EGDI | 0.8121 |
| Belize | High HCI | 0.527 | 76.9 | 2000 | UNESCO | 72.41 | 2022 | UNESCO | 12.43 | 2022 | UNESCO | 8.8 | 2021 | UNDP | 0.1111 | 2024 | UN-DESA | Middle EGDI | 0.4872 |
| Benin | Middle HCI | 0.3715 | 47.1 | 2022 | UNESCO | 62.78 | 2020 | UNESCO | 10.37 | 2021 | UNESCO | 4.3 | 2021 | UNDP | 0.4444 | 2024 | UN-DESA | Middle EGDI | 0.4578 |
| Bhutan | High HCI | 0.5478 | 72.1 | 2022 | UNESCO | 70.37 | 2018 | UNESCO | 12.89 | 2019 | UNESCO | 5.2 | 2021 | UNDP | 0.6111 | 2024 | UN-DESA | High EGDI | 0.6511 |
| Bolivia (Plurinational State of) | High HCI | 0.6876 | 93.85 | 2020 | UNESCO | 79.25 | 2007 | UNESCO | 14.9 | 2021 | UNDP | 9.8 | 2021 | UNDP | 0.3333 | 2024 | UN-DESA | High EGDI | 0.6651 |
| Bosnia and Herzegovina | High HCI | 0.6222 | 98.3 | 2022 | UNESCO | 74.15 | 2022 | UNESCO | 13.28 | 2022 | UNESCO | 10.5 | 2021 | UNDP | 0.0556 | 2024 | UN-DESA | High EGDI | 0.6329 |
| Botswana | High HCI | 0.5719 | 86.82 | 2013 | UNESCO | 69.04 | 2021 | UNESCO | 11.43 | 2021 | UNESCO | 10.3 | 2021 | UNDP | 0.2222 | 2024 | UN-DESA | High EGDI | 0.6118 |
| Brazil | Very High HCI | 0.8077 | 94.69 | 2022 | UNESCO | 91.66 | 2020 | UNESCO | 15.58 | 2021 | UNESCO | 8.1 | 2021 | UNDP | 0.8889 | 2024 | UN-DESA | Very High EGDI | 0.8403 |
| Brunei | High HCI | 0.6991 | 97.59 | 2021 | UNESCO | 75.72 | 2020 | UNESCO | 13.7 | 2020 | UNESCO | 9.2 | 2021 | UNDP | 0.5556 | 2024 | UN-DESA | Very High EGDI | 0.7554 |
| Darussalam | Very High HCI | 0.7538 | 98.42 | 2021 | UNESCO | 84.86 | 2021 | UNESCO | 13.87 | 2020 | UNESCO | 11.4 | 2021 | UNDP | 0.5 | 2024 | UN-DESA | Very High EGDI | 0.8145 |
| Bulgaria | Low HCI | 0.1668 | 34.49 | 2022 | UNESCO | 47.93 | 2022 | UNESCO | 8.09 | 2022 | UNESCO | 2.1 | 2021 | UNDP | 0.1111 | 2024 | UN-DESA | Middle EGDI | 0.2895 |

Table 10 (continued)

| Country | HCI Group | HCl 2024 | Adult Literacy (%) | | | Gross Enrollment Ratio | | | Expected Year of Schooling | | | Mean Year of Schooling | | | E-government Literacy | | | EDGI Group | EGDI 2024 |
|---------------------------------------|---------------|-------------|--------------------|------|--------|------------------------|------|--------|----------------------------|------|--------|------------------------|------|--------|-----------------------|------|---------|----------------|--------------|
| | | | Index Value | Year | Source | Index Value | Year | Source | Index Value | Year | Source | Index Value | Year | Source | Index Value | Year | Source | | |
| Burundi | Middle HCI | 0.3965 | 75.54 | 2022 | UNESCO | 66.9 | 2018 | UNESCO | 10.25 | 2018 | UNESCO | 3.1 | 2021 | UNDP | 0.16667 | 2024 | UN-DESA | Low EGDI | 0.2480 |
| Cabo Verde | High HCI | 0.5694 | 91 | 2022 | UNESCO | 69.17 | 2018 | UNESCO | 11.86 | 2018 | UNESCO | 6.3 | 2021 | UNDP | 0.44444 | 2024 | UN-DESA | High EGDI | 0.6228 |
| Cambodia | High HCI | 0.5149 | 83.78 | 2022 | UNESCO | 65.72 | 2021 | UNESCO | 12.1 | 2021 | UNDP | 5.1 | 2021 | UNDP | 0.38839 | 2024 | UN-DESA | High EGDI | 0.5754 |
| Cameroon | High HCI | 0.5193 | 78.23 | 2020 | UNESCO | 71.64 | 2016 | UNESCO | 13.1 | 2021 | UNDP | 6.2 | 2021 | UNDP | 0.22222 | 2024 | UN-DESA | Middle EGDI | 0.4294 |
| Canada | Very High HCI | 0.8725 | 99 | 2014 | UNESCO | 94.8 | 2021 | UNESCO | 15.96 | 2021 | UNESCO | 13.8 | 2021 | UNDP | 0.61111 | 2024 | UN-DESA | Very High EGDI | 0.8452 |
| Central African Republic | Low HCI | 0.1713 | 37.49 | 2020 | UNESCO | 42.18 | 2012 | UNESCO | 8 | 2021 | UNDP | 4.3 | 2021 | UNDP | 0 | 2024 | UN-DESA | Low EGDI | 0.0947 |
| Chad | Low HCI | 0.1488 | 27.28 | 2022 | UNESCO | 46.66 | 2015 | UNESCO | 8 | 2021 | UNDP | 2.6 | 2021 | UNDP | 0.11111 | 2024 | UN-DESA | Low EGDI | 0.1785 |
| Chile | Very High HCI | 0.8413 | 97.16 | 2022 | UNESCO | 100.9 | 2021 | UNESCO | 16.91 | 2022 | UNESCO | 10.9 | 2021 | UNDP | 0.5556 | 2024 | UN-DESA | Very High EGDI | 0.8827 |
| China | Very High HCI | 0.7902 | 97.15 | 2020 | UNESCO | 89.96 | 2022 | UNESCO | 14.2 | 2021 | UNDP | 7.6 | 2021 | UNDP | 0.9444 | 2024 | UN-DESA | Very High EGDI | 0.8718 |
| Colombia | Very High HCI | 0.7793 | 95.64 | 2020 | UNESCO | 89.64 | 2021 | UNESCO | 14.44 | 2021 | UNESCO | 8.9 | 2021 | UNDP | 0.77778 | 2024 | UN-DESA | Very High EGDI | 0.7793 |
| Comoros | Middle HCI | 0.3992 | 61.71 | 2022 | UNESCO | 65.29 | 2014 | UNESCO | 11.9 | 2021 | UNDP | 5.1 | 2021 | UNDP | 0.11111 | 2024 | UN-DESA | Middle EGDI | 0.2586 |
| Congo | Middle HCI | 0.4637 | 80.61 | 2021 | UNESCO | 64.46 | 2012 | UNESCO | 12.3 | 2021 | UNDP | 6.2 | 2021 | UNDP | 0.05556 | 2024 | UN-DESA | Middle EGDI | 0.3391 |
| Costa Rica | Very High HCI | 0.7877 | 98.04 | 2021 | UNESCO | 100.12 | 2019 | UNESCO | 15.84 | 2019 | UNESCO | 8.8 | 2021 | UNDP | 0.5 | 2024 | UN-DESA | Very High EGDI | 0.8009 |
| Côte d'Ivoire | Middle HCI | 0.4848 | 89.89 | 2019 | UNESCO | 59.62 | 2020 | UNESCO | 10.1 | 2020 | UNESCO | 5.2 | 2021 | UNDP | 0.38839 | 2024 | UN-DESA | Very High EGDI | 0.8818 |
| Croatia | Very High HCI | 0.8538 | 99.45 | 2021 | UNESCO | 91.61 | 2021 | UNESCO | 15.57 | 2021 | UNESCO | 12.2 | 2021 | UNDP | 0.72222 | 2024 | UN-DESA | Middle EGDI | 0.4921 |
| Cuba | High HCI | 0.7148 | 99.67 | 2021 | UNESCO | 84.66 | 2021 | UNESCO | 14.47 | 2021 | UNESCO | 12.5 | 2021 | UNDP | 0.11111 | 2024 | UN-DESA | Very High EGDI | 0.8619 |
| Cyprus | Very High HCI | 0.8698 | 99.36 | 2021 | UNESCO | 99.37 | 2021 | UNESCO | 16.24 | 2021 | UNESCO | 12.4 | 2021 | UNDP | 0.5556 | 2024 | UN-DESA | Very High EGDI | 0.8229 |
| Czechia | Very High HCI | 0.8508 | 99 | 2014 | UNESCO | 93.23 | 2021 | UNESCO | 16.35 | 2021 | UNESCO | 12.9 | 2021 | UNDP | 0.5556 | 2024 | UN-DESA | High EGDI | 0.5587 |
| Democratic People's Republic of Korea | Middle HCI | 0.4924 | 100 | 2008 | UNESCO | 70.75 | 2015 | UNESCO | 10.8 | 2021 | UNDP | 5.47 | 2017 | UNDP | 0 | 2024 | UN-DESA | Low EGDI | 0.2320 |
| Democratic Republic of the Congo | Middle HCI | 0.4487 | 80.54 | 2022 | UNESCO | 61.9 | 2013 | UNESCO | 9.8 | 2021 | UNDP | 7.02 | 2021 | UNDP | 0.16667 | 2024 | UN-DESA | Middle EGDI | 0.2715 |
| Denmark | Very High HCI | 0.9584 | 99 | 2014 | UNESCO | 105.94 | 2021 | UNESCO | 18.77 | 2021 | UNESCO | 1.3 | 2021 | UNDP | 0.83333 | 2024 | UN-DESA | Very High EGDI | 0.9847 |
| Djibouti | Middle HCI | 0.28 | 70.3 | 2014 | UNESCO | 38.32 | 2011 | UNESCO | 7.4 | 2021 | UNDP | 4.1 | 2021 | UNDP | 0.22222 | 2024 | UN-DESA | Middle EGDI | 0.2911 |
| Dominica | High HCI | 0.5781 | 88 | 2014 | UNESCO | 73 | 2014 | UNESCO | 13 | 2021 | UNDP | 8.1 | 2021 | UNDP | 0.22222 | 2024 | UN-DESA | High EGDI | 0.5445 |
| Dominican Republic | High HCI | 0.7189 | 95.5 | 2022 | UNESCO | 78.17 | 2021 | UNESCO | 13.57 | 2021 | UNESCO | 9.3 | 2021 | UNDP | 0.66667 | 2024 | UN-DESA | High EGDI | 0.7013 |
| Ecuador | Very High HCI | 0.7715 | 93.95 | 2022 | UNESCO | 86.8 | 2020 | UNESCO | 14.86 | 2020 | UNESCO | 8.8 | 2021 | UNDP | 0.77778 | 2024 | UN-DESA | Very High EGDI | 0.7800 |
| Egypt | High HCI | 0.6115 | 74.5 | 2022 | UNESCO | 78.32 | 2020 | UNESCO | 12.91 | 2020 | UNESCO | 9.6 | 2021 | UNDP | 0.44444 | 2024 | UN-DESA | High EGDI | 0.6699 |

Table 10 (continued)

| Country | HCI Group | HCI 2024 | Adult Literacy (%) | Gross Enrollment Ratio | Expected Year of Schooling | Mean Year of Schooling | E-government literacy | EGDI Group | EGDI 2024 | | | | | | | | | | |
|----------------------------|---------------|----------------|--------------------|------------------------|----------------------------|------------------------|-----------------------|----------------|--------------|------|--------|------|------|------|--------|------|---------|----------------|--------|
| | | Index Value | Year | Source | Index Value | Year | Source | Index Value | Year | | | | | | | | | | |
| El Salvador | High HCI | 0.5348 | 89.98 | 2020 | UNESCO | 66.25 | 2018 | UNESCO | 12.6 | 2021 | UNDP | 7.2 | 2021 | UNDP | 0.1667 | 2024 | UN-DESA | High EGDI | 0.5988 |
| Equatorial Guinea | Middle HCI | 0.4102 | 94.37 | 2010 | UNESCO | 44.55 | 2000 | UNESCO | 9.7 | 2021 | UNDP | 5.9 | 2021 | UNDP | 0.1111 | 2024 | UN-DESA | Middle EGDI | 0.2835 |
| Eritrea | Middle HCI | 0.3324 | 76.57 | 2018 | UNESCO | 49.14 | 2015 | UNESCO | 8.1 | 2021 | UNDP | 4.9 | 2021 | UNDP | 0.1111 | 2024 | UN-DESA | Low EGDI | 0.1576 |
| Estonia | Very High HCI | 0.9497 | 99.87 | 2021 | UNESCO | 98.85 | 2021 | UNESCO | 15.94 | 2021 | UNESCO | 13.5 | 2021 | UNDP | 1 | 2024 | UN-DESA | Very High EGDI | 0.9727 |
| Eswatini | High HCI | 0.5836 | 89.28 | 2020 | UNESCO | 76.22 | 2013 | UNESCO | 13.7 | 2021 | UNDP | 5.6 | 2021 | UNDP | 0.3333 | 2024 | UN-DESA | High EGDI | 0.6081 |
| Ethiopia | Middle HCI | 0.3254 | 51.77 | 2017 | UNESCO | 54.53 | 2012 | UNESCO | 9.7 | 2021 | UNDP | 3.2 | 2021 | UNDP | 0.3389 | 2024 | UN-DESA | Middle EGDI | 0.3111 |
| Fiji | High HCI | 0.7413 | 99.08 | 2017 | UNESCO | 77.9 | 2004 | UNESCO | 14.7 | 2021 | UNDP | 10.9 | 2021 | UNDP | 0.5 | 2024 | UN-DESA | High EGDI | 0.6754 |
| Finland | Very High HCI | 0.9836 | 99 | 2014 | UNESCO | 117.54 | 2021 | UNESCO | 19.23 | 2021 | UNESCO | 12.9 | 2021 | UNDP | 0.9444 | 2024 | UN-DESA | Very High EGDI | 0.9575 |
| France | Very High HCI | 0.8565 | 99 | 2014 | UNESCO | 93.86 | 2021 | UNESCO | 15.99 | 2021 | UNESCO | 11.6 | 2021 | UNDP | 0.7222 | 2024 | UN-DESA | Very High EGDI | 0.8744 |
| Gabon | High HCI | 0.5772 | 85.69 | 2022 | UNESCO | 74.93 | 2001 | UNESCO | 13 | 2021 | UNDP | 9.4 | 2021 | UNDP | 0.1111 | 2024 | UN-DESA | High EGDI | 0.5741 |
| Gambia | Middle HCI | 0.2823 | 58.67 | 2022 | UNESCO | 50.65 | 2010 | UNESCO | 9.4 | 2021 | UNDP | 4.6 | 2021 | UNDP | 0 | 2024 | UN-DESA | Middle EGDI | 0.2552 |
| Georgia | Very High HCI | 0.8654 | 99.57 | 2022 | UNESCO | 99.6 | 2022 | UNESCO | 16.73 | 2022 | UNESCO | 12.8 | 2021 | UNDP | 0.5 | 2024 | UN-DESA | Very High EGDI | 0.7792 |
| Germany | Very High HCI | 0.9672 | 99 | 2014 | UNESCO | 98.35 | 2021 | UNESCO | 17.34 | 2021 | UNESCO | 14.1 | 2021 | UNDP | 0.9444 | 2024 | UN-DESA | Very High EGDI | 0.9382 |
| Ghana | High HCI | 0.5586 | 80.38 | 2020 | UNESCO | 70.27 | 2021 | UNESCO | 11.59 | 2021 | UNESCO | 8.3 | 2021 | UNDP | 0.3389 | 2024 | UN-DESA | High EGDI | 0.6317 |
| Greece | Very High HCI | 0.9219 | 97.94 | 2018 | UNESCO | 120.52 | 2021 | UNESCO | 20.03 | 2021 | UNESCO | 11.4 | 2021 | UNDP | 0.6667 | 2024 | UN-DESA | Very High EGDI | 0.8674 |
| Grenada | Very High HCI | 0.755 | 98.6 | 2014 | UNESCO | 99.83 | 2018 | UNESCO | 16.59 | 2018 | UNDP | 9 | 2021 | UNDP | 0.2222 | 2024 | UN-DESA | High EGDI | 0.6458 |
| Guatemala | Middle HCI | 0.4834 | 84.27 | 2022 | UNESCO | 61.66 | 2020 | UNESCO | 10.79 | 2019 | UNESCO | 5.7 | 2021 | UNDP | 0.3333 | 2024 | UN-DESA | High EGDI | 0.5738 |
| Guinea | Middle HCI | 0.2887 | 45.33 | 2021 | UNESCO | 52.84 | 2021 | UNESCO | 9.8 | 2021 | UNDP | 2.2 | 2021 | UNDP | 0.3389 | 2024 | UN-DESA | Middle EGDI | 0.4006 |
| Guinea-Bissau | Middle HCI | 0.3077 | 53.9 | 2022 | UNESCO | 62.98 | 2006 | UNESCO | 10.6 | 2021 | UNDP | 3.6 | 2021 | UNDP | 0 | 2024 | UN-DESA | Middle EGDI | 0.3083 |
| Guyana | High HCI | 0.5933 | 90.03 | 2022 | UNESCO | 73.01 | 2012 | UNESCO | 12.5 | 2021 | UNDP | 8.6 | 2021 | UNDP | 0.2778 | 2024 | UN-DESA | High EGDI | 0.5443 |
| Haiti | Middle HCI | 0.2883 | 61.69 | 2016 | UNESCO | 39.4 | 2014 | UNESCO | 9.7 | 2021 | UNDP | 5.6 | 2021 | UNDP | 0.0556 | 2024 | UN-DESA | Low EGDI | 0.2116 |
| Honduras | High HCI | 0.5182 | 88.51 | 2019 | UNESCO | 62.61 | 2019 | UNESCO | 10.1 | 2021 | UNDP | 7.1 | 2021 | UNDP | 0.3889 | 2024 | UN-DESA | Middle EGDI | 0.4856 |
| Hungary | Very High HCI | 0.8703 | 99.1 | 2021 | UNESCO | 90.3 | 2021 | UNESCO | 15.07 | 2021 | UNESCO | 12.2 | 2021 | UNDP | 0.8889 | 2024 | UN-DESA | Very High EGDI | 0.8043 |
| Iceland | Very High HCI | 0.9953 | 99 | 2014 | UNESCO | 102.62 | 2021 | UNESCO | 19.11 | 2021 | UNESCO | 13.8 | 2021 | UNDP | 0.9444 | 2024 | UN-DESA | Very High EGDI | 0.9671 |
| India | High HCI | 0.6149 | 76.33 | 2022 | UNESCO | 73.2 | 2022 | UNESCO | 12.96 | 2022 | UNESCO | 6.7 | 2021 | UNDP | 0.7778 | 2024 | UN-DESA | High EGDI | 0.6678 |
| Indonesia | High HCI | 0.7293 | 96 | 2020 | UNESCO | 83.77 | 2022 | UNESCO | 13.79 | 2018 | UNESCO | 8.6 | 2021 | UNDP | 0.6667 | 2024 | UN-DESA | Very High EGDI | 0.7991 |
| Iran (Islamic Republic of) | High HCI | 0.6932 | 88.99 | 2022 | UNESCO | 86.09 | 2020 | UNESCO | 14.12 | 2020 | UNESCO | 10.6 | 2021 | UNDP | 0.3333 | 2024 | UN-DESA | High EGDI | 0.6564 |
| Iraq | Middle HCI | 0.4967 | 85.6 | 2017 | UNESCO | 63.14 | 2004 | UNESCO | 12.1 | 2021 | UNESCO | 7.9 | 2021 | UNDP | 0.0556 | 2024 | UN-DESA | Middle EGDI | 0.4572 |
| Ireland | Very High HCI | 0.9046 | 99.2 | 2015 | UNESCO | 107.32 | 2021 | UNESCO | 19.13 | 2021 | UNESCO | 11.6 | 2021 | UNDP | 0.6111 | 2024 | UN-DESA | Very High EGDI | 0.9138 |
| Israel | Very High HCI | 0.8739 | 97.76 | 2011 | UNESCO | 87.29 | 2021 | UNESCO | 15.03 | 2021 | UNESCO | 13.3 | 2021 | UNDP | 0.8889 | 2024 | UN-DESA | Very High EGDI | 0.9014 |
| Italy | Very High HCI | 0.8426 | 99.35 | 2019 | UNESCO | 93.14 | 2021 | UNESCO | 16.66 | 2021 | UNESCO | 10.7 | 2021 | UNDP | 0.6667 | 2024 | UN-DESA | Very High EGDI | 0.8356 |

Table 10 (continued)

| Country | HCl Group | HCl 2024 | Adult Literacy (%) | | Gross Enrollment Ratio | | Expected Year of Schooling | | Mean Year of Schooling | | E-government literacy | | EGDI Group | EGDI 2024 | | | | | |
|----------------------------------|---------------|-------------|--------------------|------|------------------------|-------------|----------------------------|--------|------------------------|------|-----------------------|-------------|------------|--------------|--------|------|---------|----------------|--------|
| | | | Index Value | Year | Source | Index Value | Year | Source | Index Value | Year | Source | Index Value | Year | | | | | | |
| Jamaica | High HCl | 0.706 | 88.1 | 2014 | UNESCO | 79.03 | 2005 | UNESCO | 13.4 | 2021 | UNDP | 9.2 | 2021 | UNDP | 0.7222 | 2024 | UN-DESA | High EGDI | 0.6678 |
| Japan | Very High HCl | 0.9117 | 99 | 2014 | UNESCO | 89.58 | 2020 | UNESCO | 15.46 | 2020 | UNESCO | 13.4 | 2021 | UNDP | 1 | 2024 | UN-DESA | Very High EGDI | 0.9351 |
| Jordan | High HCl | 0.6458 | 98.41 | 2021 | UNESCO | 63.59 | 2020 | UNESCO | 10.6 | 2021 | UNDP | 10.4 | 2021 | UNDP | 0.6111 | 2024 | UN-DESA | High EGDI | 0.6849 |
| Kazakhstan | Very High HCl | 0.8403 | 99.78 | 2018 | UNESCO | 93.58 | 2020 | UNESCO | 14.82 | 2020 | UNESCO | 12.3 | 2021 | UNDP | 0.6667 | 2024 | UN-DESA | Very High EGDI | 0.9009 |
| Kenya | High HCl | 0.5271 | 82.88 | 2022 | UNESCO | 63.34 | 2009 | UNESCO | 10.7 | 2021 | UNDP | 6.7 | 2021 | UNDP | 0.5 | 2024 | UN-DESA | High EGDI | 0.6314 |
| Kiribati | High HCl | 0.6269 | 93 | 2014 | UNESCO | 71.85 | 2008 | UNESCO | 11.8 | 2021 | UNDP | 8 | 2021 | UNDP | 0.5556 | 2024 | UN-DESA | Middle EGDI | 0.4572 |
| Kuwait | High HCl | 0.7083 | 96.46 | 2020 | UNESCO | 88.11 | 2015 | UNESCO | 15.3 | 2021 | UNDP | 7.3 | 2021 | UNDP | 0.3333 | 2024 | UN-DESA | Very High EGDI | 0.7812 |
| Kyrgyzstan | High HCl | 0.7061 | 99.59 | 2018 | UNESCO | 85.47 | 2020 | UNESCO | 12.99 | 2021 | UNESCO | 11.4 | 2021 | UNDP | 0.2778 | 2024 | UN-DESA | High EGDI | 0.7316 |
| Lao People's Democratic Republic | Middle HCl | 0.4608 | 87.52 | 2022 | UNESCO | 58.83 | 2021 | UNESCO | 10.19 | 2020 | UNESCO | 5.4 | 2021 | UNDP | 0.2778 | 2024 | UN-DESA | Middle EGDI | 0.4404 |
| Latvia | Very High HCl | 0.8805 | 99.89 | 2021 | UNESCO | 101.36 | 2021 | UNESCO | 16.48 | 2022 | UNESCO | 13.3 | 2021 | UNDP | 0.5556 | 2024 | UN-DESA | Very High EGDI | 0.8852 |
| Lebanon | High HCl | 0.5433 | 95.03 | 2019 | UNESCO | 63.43 | 2015 | UNESCO | 11.3 | 2021 | UNDP | 8.7 | 2021 | UNDP | 0.1667 | 2024 | UN-DESA | High EGDI | 0.5449 |
| Lesotho | Middle HCl | 0.4862 | 82.01 | 2022 | UNESCO | 67.12 | 2017 | UNESCO | 11.33 | 2017 | UNESCO | 6 | 2021 | UNDP | 0.2222 | 2024 | UN-DESA | Middle EGDI | 0.4123 |
| Liberia | Middle HCl | 0.3669 | 48.3 | 2017 | UNESCO | 65.41 | 2000 | UNESCO | 10.4 | 2021 | UNDP | 5.1 | 2021 | UNDP | 0.2778 | 2024 | UN-DESA | Middle EGDI | 0.2513 |
| Libya | High HCl | 0.5951 | 86.1 | 2004 | UNESCO | 90.88 | 2003 | UNESCO | 12.9 | 2021 | UNDP | 7.6 | 2021 | UNDP | 0.1111 | 2024 | UN-DESA | High EGDI | 0.5466 |
| Liechtenstein | Very High HCl | 0.8263 | 99 | 2014 | UNESCO | 91.62 | 2021 | UNESCO | 15.41 | 2021 | UNESCO | 12.5 | 2021 | UNDP | 0.5556 | 2024 | UN-DESA | Very High EGDI | 0.8528 |
| Lithuania | Very High HCl | 0.8861 | 99.83 | 2021 | UNESCO | 97.91 | 2021 | UNESCO | 16.4 | 2021 | UNESCO | 13.5 | 2021 | UNDP | 0.6111 | 2024 | UN-DESA | Very High EGDI | 0.9110 |
| Luxembourg | Very High HCl | 0.7955 | 99 | 2014 | UNESCO | 78.38 | 2021 | UNESCO | 14.2 | 2021 | UNESCO | 13 | 2021 | UNDP | 0.6667 | 2024 | UN-DESA | Very High EGDI | 0.8466 |
| Madagascar | Middle HCl | 0.4141 | 77.48 | 2022 | UNESCO | 58.57 | 2019 | UNESCO | 9.37 | 2019 | UNESCO | 5.1 | 2021 | UNDP | 0.2778 | 2024 | UN-DESA | Middle EGDI | 0.3235 |
| Malawi | Middle HCl | 0.4749 | 68.08 | 2022 | UNESCO | 70.63 | 2011 | UNESCO | 12.7 | 2021 | UNDP | 4.5 | 2021 | UNDP | 0.3333 | 2024 | UN-DESA | Middle EGDI | 0.3753 |
| Malaysia | High HCl | 0.7192 | 94.97 | 2019 | UNESCO | 75.4 | 2022 | UNESCO | 12.93 | 2021 | UNESCO | 10.6 | 2021 | UNDP | 0.6667 | 2024 | UN-DESA | Very High EGDI | 0.8111 |
| Maldives | High HCl | 0.6113 | 97.86 | 2021 | UNESCO | 70.61 | 2019 | UNESCO | 12.17 | 2019 | UNESCO | 7.3 | 2021 | UNDP | 0.4444 | 2024 | UN-DESA | High EGDI | 0.6745 |
| Mali | Low HCl | 0.125 | 30.76 | 2020 | UNESCO | 48.11 | 2017 | UNESCO | 7.12 | 2017 | UNESCO | 2.3 | 2021 | UNDP | 0 | 2024 | UN-DESA | Middle EGDI | 0.3005 |
| Malta | Very High HCl | 0.8162 | 94.94 | 2021 | UNESCO | 91.56 | 2021 | UNESCO | 15.86 | 2021 | UNESCO | 12.2 | 2021 | UNDP | 0.5556 | 2024 | UN-DESA | Very High EGDI | 0.8886 |
| Marshall Islands | Very High HCl | 0.7836 | 98.27 | 2011 | UNESCO | 97.79 | 2022 | UNESCO | 16.39 | 2022 | UNESCO | 10.9 | 2021 | UNDP | 0.2778 | 2024 | UN-DESA | Middle EGDI | 0.4423 |
| Mauritania | Middle HCl | 0.2961 | 66.96 | 2021 | UNESCO | 49.7 | 2020 | UNESCO | 8.05 | 2020 | UNESCO | 4.9 | 2021 | UNDP | 0.0556 | 2024 | UN-DESA | Middle EGDI | 0.3491 |
| Mauritius | High HCl | 0.7456 | 92.15 | 2021 | UNESCO | 79.25 | 2020 | UNESCO | 14.61 | 2020 | UNESCO | 10.4 | 2021 | UNDP | 0.6667 | 2024 | UN-DESA | Very High EGDI | 0.7506 |
| Mexico | Very High HCl | 0.7603 | 95.25 | 2020 | UNESCO | 84.79 | 2021 | UNESCO | 14.51 | 2021 | UNESCO | 9.2 | 2021 | UNDP | 0.7222 | 2024 | UN-DESA | Very High EGDI | 0.7350 |
| Micronesia (Federated States of) | High HCl | 0.5735 | 94 | 2014 | UNESCO | 75.28 | 2004 | UNESCO | 11.5 | 2021 | UNDP | 7.8 | 2021 | UNDP | 0.2222 | 2024 | UN-DESA | Middle EGDI | 0.3235 |
| Monaco | Very High HCl | 0.7515 | 99 | 2014 | UNESCO | 99 | 2014 | UNESCO | 11.8 | 2015 | UNDP | 11.27 | 2017 | UNDP | 0.4444 | 2024 | UN-DESA | High EGDI | 0.7175 |

Table 10 (continued)

| Country | HCI Group | HCI 2024 | Adult Literacy (%) | Gross Enrollment Ratio | Expected Year of Schooling | Mean Year of Schooling | E-government literacy | EDGI Group | EGDI 2024 |
|---------------------|---------------|----------------|--------------------|------------------------|----------------------------|------------------------|-----------------------|----------------|--------------|
| | | Index Value | Year Source | Index Value | Year Source | Index Value | Year Source | Index Value | |
| Mongolia | Very High HCI | 0.7775 | 99.18 | 2020 | UNESCO | 89.95 | 2022 | UNESCO | 0.6111 |
| Montenegro | High HCI | 0.719 | 98.98 | 2021 | UNESCO | 83.76 | 2022 | UNESCO | 0.2222 |
| Morocco | High HCI | 0.6078 | 77.35 | 2022 | UNESCO | 86.69 | 2022 | UNESCO | 0.3889 |
| Mozambique | Middle HCI | 0.3952 | 59.78 | 2020 | UNESCO | 67.2 | 2019 | UNESCO | 0.3889 |
| Myanmar | High HCI | 0.5081 | 89.07 | 2019 | UNESCO | 71.53 | 2019 | UNESCO | 0.1111 |
| Namibia | High HCI | 0.5738 | 92.25 | 2021 | UNESCO | 71.31 | 2006 | UNESCO | 0.3333 |
| Nauru | High HCI | 0.5061 | 92 | 2014 | UNESCO | 59.59 | 2008 | UNESCO | 0.1667 |
| Nepal | High HCI | 0.521 | 71.15 | 2021 | UNESCO | 71.64 | 2022 | UNESCO | 0.5 |
| Netherlands | Very High HCI | 0.9688 | 99 | 2014 | UNESCO | 103.75 | 2021 | UNESCO | 0.9444 |
| New Zealand | Very High HCI | 0.9615 | 99 | 2014 | UNESCO | 112.05 | 2021 | UNESCO | 12.9 |
| Nicaragua | High HCI | 0.561 | 82.61 | 2015 | UNESCO | 69.69 | 2002 | UNESCO | 7.1 |
| Niger | Low HCI | 0.1685 | 38.1 | 2022 | UNESCO | 41.04 | 2017 | UNESCO | 2.1 |
| Nigeria | Middle HCI | 0.4236 | 62.02 | 2018 | UNESCO | 56.06 | 2011 | UNESCO | 7.2 |
| North Macedonia | High HCI | 0.7023 | 98.36 | 2020 | UNESCO | 71.25 | 2021 | UNESCO | 10.2 |
| Norway | Very High HCI | 0.9175 | 99 | 2014 | UNESCO | 105.35 | 2021 | UNESCO | 13 |
| Oman | Very High HCI | 0.7977 | 97.34 | 2022 | UNESCO | 80.91 | 2021 | UNESCO | 11.7 |
| Pakistan | Middle HCI | 0.35 | 58 | 2019 | UNESCO | 47.81 | 2021 | UNESCO | 4.5 |
| Palau | Very High HCI | 0.752 | 96.59 | 2015 | UNESCO | 93.42 | 2013 | UNESCO | 12.5 |
| Panama | High HCI | 0.6866 | 95.74 | 2019 | UNESCO | 76.43 | 2016 | UNESCO | 10.5 |
| Papua New Guinea | Middle HCI | 0.3984 | 61.6 | 2010 | UNESCO | 78.93 | 2012 | UNESCO | 4.7 |
| Paraguay | High HCI | 0.7093 | 94.54 | 2020 | UNESCO | 70.77 | 2010 | UNESCO | 8.9 |
| Peru | High HCI | 0.7469 | 94.5 | 2020 | UNESCO | 90.82 | 2017 | UNESCO | 0.5 |
| Philippines | High HCI | 0.7256 | 96.28 | 2019 | UNESCO | 75.41 | 2021 | UNESCO | 0.8333 |
| Poland | Very High HCI | 0.8304 | 99.8 | 2021 | UNESCO | 96.22 | 2021 | UNESCO | 13.2 |
| Portugal | Very High HCI | 0.8289 | 96.78 | 2021 | UNESCO | 99.33 | 2021 | UNESCO | 9.6 |
| Qatar | High HCI | 0.7114 | 93.46 | 2017 | UNESCO | 75.51 | 2020 | UNESCO | 10 |
| Republic of Korea | Very High HCI | 0.912 | 98.8 | 2018 | UNESCO | 99.06 | 2021 | UNESCO | 12.5 |
| Republic of Moldova | Very High HCI | 0.7776 | 99.6 | 2021 | UNESCO | 90.99 | 2022 | UNESCO | 11.8 |
| Romania | High HCI | 0.7439 | 98.9 | 2021 | UNESCO | 81.33 | 2021 | UNESCO | 11.3 |
| Russian Federation | Very High HCI | 0.8319 | 99.93 | 2021 | UNESCO | 97.61 | 2019 | UNESCO | 12.8 |

Table 10 (continued)

| Country | HCI Group | HCI Index 2024 | Adult Literacy (%) | Gross Enrollment Ratio | Expected Year of Schooling | Mean Year of Schooling | E-government literacy | EDGI Group | EGDI 2024 | | | | | | |
|----------------------------------|---------------|----------------|--------------------|------------------------|----------------------------|------------------------|-----------------------|-------------|-------------|-----------|--------|--------------|----------------|----------|--------|
| | | Index Value | Year Source | Index Value | Year Source | Index Value | Year Source | Index Value | Year Source | | | | | | |
| Rwanda | High HCI | 0.5467 | 75.9 | 2021 UNESCO | 68.55 | 2022 UNESCO | 11.38 | 2022 UNESCO | 4.4 | 2021 UNDP | 0.7778 | 2024 UN-DESA | High EGDI | 0.5799 | |
| Saint Kitts and Nevis | High HCI | 0.7202 | 97.8 | 2014 UNESCO | 100 | 2015 UNESCO | 15.4 | 2021 UNDP | 8.7 | 2021 UNDP | 0.1667 | 2024 UN-DESA | High EGDI | 0.6305 | |
| Saint Lucia | High HCI | 0.6037 | 94.8 | 2014 UNESCO | 71.29 | 2022 UNESCO | 12.73 | 2022 UNESCO | 8.5 | 2021 UNDP | 0.2778 | 2024 UN-DESA | High EGDI | 0.5255 | |
| Saint Vincent and the Grenadines | High HCI | 0.6956 | 88.1 | 2014 UNESCO | 83.56 | 2015 UNESCO | 14.7 | 2021 UNDP | 10.8 | 2021 UNDP | 0.3333 | 2024 UN-DESA | High EGDI | 0.5876 | |
| Samoa | High HCI | 0.6453 | 99.1 | 2021 UNESCO | 71.33 | 2000 UNESCO | 12.4 | 2021 UNDP | 11.4 | 2021 UNDP | 0.2222 | 2024 UN-DESA | Middle EGDI | 0.4899 | |
| San Marino | High HCI | 0.6587 | 99.92 | 2018 UNESCO | 68.16 | 2022 UNESCO | 12.4 | 2022 UNESCO | 10.8 | 2021 UNDP | 0.3889 | 2024 UN-DESA | High EGDI | 0.6551 | |
| Sao Tome and Principe | High HCI | 0.5928 | 93.75 | 2022 UNESCO | 76.9 | 2015 UNESCO | 13.4 | 2021 UNDP | 6.2 | 2021 UNDP | 0.2778 | 2024 UN-DESA | Middle EGDI | 0.4308 | |
| Saudi Arabia | Very High HCI | 0.9067 | 97.59 | 2020 UNESCO | 96.81 | 2020 UNESCO | 16.1 | 2021 UNDP | 11.3 | 2021 UNDP | 1 | 2024 UN-DESA | Very High EGDI | 0.9602 | |
| Senegal | Middle HCI | 0.338 | 57.67 | 2022 UNESCO | 54.37 | 2022 UNESCO | 9.14 | 2022 UNESCO | 2.9 | 2021 UNDP | 0.4444 | 2024 UN-DESA | High EGDI | 0.5162 | |
| Serbia | Very High HCI | 0.8094 | 99.48 | 2019 UNESCO | 86.19 | 2022 UNESCO | 14.5 | 2022 UNDP | 11.4 | 2021 UNDP | 0.7222 | 2024 UN-DESA | Very High EGDI | 0.8618 | |
| Seychelles | High HCI | 0.6769 | 96.2 | 2020 UNESCO | 79.47 | 2022 UNESCO | 13.89 | 2022 UNESCO | 10.3 | 2021 UNDP | 0.2778 | 2024 UN-DESA | High EGDI | 0.6773 | |
| Sierra Leone | Middle HCI | 0.2718 | 48.64 | 2022 UNESCO | 41.15 | 2001 UNESCO | 9.8 | 2021 UNDP | 4.6 | 2021 UNDP | 0.2222 | 2024 UN-DESA | Middle EGDI | 0.3042 | |
| Singapore | Very High HCI | 0.9362 | 97.13 | 2020 UNESCO | 118.1 | 2021 UNESCO | 16.9 | 2021 UNESCO | 11.9 | 2021 UNDP | 1 | 2024 UN-DESA | Very High EGDI | 0.9691 | |
| Slovakia | Very High HCI | 0.7982 | 99.6 | 2015 UNESCO | 83.21 | 2021 UNESCO | 14.72 | 2021 UNESCO | 12.9 | 2021 UNDP | 0.5556 | 2024 UN-DESA | Very High EGDI | 0.8021 | |
| Slovenia | Very High HCI | 0.853 | 99.7 | 2014 UNESCO | 98.18 | 2021 UNESCO | 17.41 | 2021 UNESCO | 12.8 | 2021 UNDP | 0.3333 | 2024 UN-DESA | Very High EGDI | 0.8759 | |
| Solomon Islands | Middle HCI | 0.4262 | 76.6 | 2009 UNESCO | 55.39 | 2007 UNESCO | 10.3 | 2021 UNDP | 5.7 | 2021 UNDP | 0.2778 | 2024 UN-DESA | Middle EGDI | 0.3681 | |
| Somalia | Low HCI | 0 | 41.03 | 2022 UNESCO | 17 | 2014 UNESCO | 2.4 | 2013 UNDP | 0.97 | --- | UNDP | 0.1667 | 2024 UN-DESA | Low EGDI | 0.1468 |
| South Africa | Very High HCI | 0.8026 | 90 | 2021 UNESCO | 84.35 | 2021 UNESCO | 14.26 | 2021 UNDP | 11.4 | 2021 UNDP | 0.8889 | 2024 UN-DESA | Very High EGDI | 0.8616 | |
| South Sudan | Low HCI | 0.1521 | 34.52 | 2018 UNESCO | 38 | 2014 UNESCO | 5.5 | 2021 UNDP | 5.7 | 2021 UNDP | 0.1111 | 2024 UN-DESA | Low EGDI | 0.1191 | |
| Spain | Very High HCI | 0.8961 | 98.59 | 2020 UNESCO | 106.95 | 2021 UNESCO | 17.81 | 2021 UNESCO | 10.6 | 2021 UNDP | 0.7778 | 2024 UN-DESA | Very High EGDI | 0.9206 | |
| Sri Lanka | High HCI | 0.657 | 92.43 | 2021 UNESCO | 75.34 | 2021 UNESCO | 13.58 | 2018 UNESCO | 10.8 | 2021 UNDP | 0.2778 | 2024 UN-DESA | High EGDI | 0.6667 | |
| Sudan | Middle HCI | 0.2593 | 60.7 | 2018 UNESCO | 49.69 | 2015 UNESCO | 7.9 | 2021 UNDP | 3.8 | 2021 UNDP | 0.0556 | 2024 UN-DESA | Middle EGDI | 0.2759 | |
| Suriname | High HCI | 0.5568 | 95 | 2021 UNESCO | 60.85 | 2021 UNESCO | 10.96 | 2021 UNDP | 9.8 | 2021 UNDP | 0.2222 | 2024 UN-DESA | High EGDI | 0.6365 | |
| Sweden | Very High HCI | 0.9275 | 99 | 2014 UNESCO | 117.47 | 2021 UNESCO | 19.04 | 2021 UNESCO | 12.6 | 2021 UNDP | 0.6667 | 2024 UN-DESA | Very High EGDI | 0.9326 | |
| Switzerland | Very High HCI | 0.9026 | 99 | 2014 UNESCO | 94.6 | 2021 UNESCO | 16.58 | 2021 UNESCO | 13.9 | 2021 UNDP | 0.7222 | 2024 UN-DESA | Very High EGDI | 0.9003 | |
| Syrian Arab Republic | Middle HCI | 0.4169 | 86.3 | 2014 UNESCO | 55.11 | 2013 UNESCO | 9.2 | 2021 UNDP | 5.1 | 2021 UNDP | 0.2222 | 2024 UN-DESA | Middle EGDI | 0.3888 | |
| Tajikistan | High HCI | 0.6531 | 99.8 | 2014 UNESCO | 70.93 | 2013 UNESCO | 11.7 | 2021 UNDP | 11.3 | 2021 UNDP | 0.3333 | 2024 UN-DESA | High EGDI | 0.5606 | |

Table 10 (continued)

| Country | HCI Group | HCI Index 2024 | Adult Literacy (%) Year | Source | Gross Enrollment Ratio Index Value | Year | Source | Expected Year of Schooling Index Value | Year | Source | Mean Year of Schooling Index Value | Year | Source | E-government literacy Index Value | Year | Source | EGDI Group | EGDI 2024 | |
|--|---------------|----------------|-------------------------|--------|------------------------------------|--------|--------|--|-------|--------|------------------------------------|------|--------|-----------------------------------|--------|--------|------------|----------------|--------|
| Thailand | Very High HCI | 0.8032 | 94.1 | 2021 | UNESCO | 87.5 | 2023 | UNESCO | 15.58 | 2020 | UNDP | 8.7 | 2021 | UNDP | 0.8889 | 2024 | UN-DESA | Very High EGDI | 0.8351 |
| Timor-Leste | High HCI | 0.5104 | 69.9 | 2020 | UNESCO | 77.01 | 2010 | UNESCO | 12.6 | 2021 | UNDP | 5.4 | 2021 | UNDP | 0.3333 | 2024 | UN-DESA | Middle EGDI | 0.4020 |
| Togo | Middle HCI | 0.4813 | 66.54 | 2019 | UNESCO | 75.88 | 2017 | UNESCO | 12.57 | 2017 | UNESCO | 5 | 2021 | UNDP | 0.2778 | 2024 | UN-DESA | Middle EGDI | 0.3920 |
| Tonga | High HCI | 0.7488 | 99.4 | 2021 | UNESCO | 92.6 | 2020 | UNESCO | 16.29 | 2020 | UNESCO | 11.4 | 2021 | UNDP | 0.1111 | 2024 | UN-DESA | High EGDI | 0.5164 |
| Trinidad and Tobago | High HCI | 0.7174 | 98.7 | 2010 | UNESCO | 67.3 | 2004 | UNESCO | 14.5 | 2021 | UNDP | 11.6 | 2021 | UNDP | 0.5 | 2024 | UN-DESA | High EGDI | 0.6973 |
| Tunisia | High HCI | 0.6497 | 83.56 | 2022 | UNESCO | 82.74 | 2016 | UNESCO | 15.4 | 2021 | UNDP | 7.4 | 2021 | UNDP | 0.3889 | 2024 | UN-DESA | High EGDI | 0.6935 |
| Türkiye | Very High HCI | 0.9192 | 96.74 | 2019 | UNESCO | 114.9 | 2021 | UNESCO | 19.68 | 2021 | UNESCO | 8.6 | 2021 | UNDP | 0.9444 | 2024 | UN-DESA | Very High EGDI | 0.8913 |
| Turkmenistan | High HCI | 0.6614 | 99.7 | 2014 | UNESCO | 82.46 | 2022 | UNESCO | 13.24 | 2022 | UNESCO | 11.3 | 2021 | UNDP | 0.0556 | 2024 | UN-DESA | Middle EGDI | 0.4757 |
| Tuvalu | High HCI | 0.5463 | 98 | 2014 | UNESCO | 65.37 | 2001 | UNESCO | 9.4 | 2021 | UNDP | 10.6 | 2021 | UNDP | 0.1111 | 2024 | UN-DESA | Middle EGDI | 0.4042 |
| Uganda | High HCI | 0.5023 | 80.59 | 2022 | UNESCO | 68.94 | 2004 | UNESCO | 10.1 | 2021 | UNDP | 5.7 | 2021 | UNDP | 0.4444 | 2024 | UN-DESA | Middle EGDI | 0.4464 |
| Ukraine | Very High HCI | 0.824 | 100 | 2021 | UNESCO | 85.22 | 2021 | UNESCO | 13.33 | 2021 | UNESCO | 11.1 | 2021 | UNDP | 0.9444 | 2024 | UN-DESA | Very High EGDI | 0.8841 |
| United Arab Emirates | Very High HCI | 0.9436 | 98.29 | 2022 | UNESCO | 95.49 | 2020 | UNESCO | 17.21 | 2020 | UNESCO | 12.7 | 2021 | UNDP | 1 | 2024 | UN-DESA | Very High EGDI | 0.9533 |
| United Kingdom of Great Britain and Northern Ireland | Very High HCI | 0.945 | 99 | 2014 | UNESCO | 99.47 | 2021 | UNESCO | 17.63 | 2021 | UNESCO | 13.4 | 2021 | UNDP | 0.8333 | 2024 | UN-DESA | Very High EGDI | 0.9577 |
| United Republic of Tanzania | Middle HCI | 0.4399 | 82.02 | 2022 | UNESCO | 53.69 | 2021 | UNESCO | 8.59 | 2021 | UNESCO | 6.4 | 2021 | UNDP | 0.3889 | 2024 | UN-DESA | Middle EGDI | 0.4327 |
| United States of America | Very High HCI | 0.8842 | 99 | 2014 | UNESCO | 96.96 | 2021 | UNESCO | 16.41 | 2021 | UNESCO | 13.7 | 2021 | UNDP | 0.6111 | 2024 | UN-DESA | Very High EGDI | 0.9194 |
| Uruguay | Very High HCI | 0.8749 | 98.77 | 2019 | UNESCO | 101.98 | 2021 | UNESCO | 17.35 | 2021 | UNESCO | 9 | 2021 | UNDP | 0.8333 | 2024 | UN-DESA | Very High EGDI | 0.9006 |
| Uzbekistan | Very High HCI | 0.758 | 100 | 2022 | UNESCO | 78.88 | 2023 | UNESCO | 11.99 | 2021 | UNESCO | 11.9 | 2021 | UNDP | 0.7222 | 2024 | UN-DESA | Very High EGDI | 0.7999 |
| Vanuatu | High HCI | 0.5347 | 89.1 | 2021 | UNESCO | 63.5 | 2004 | UNESCO | 11.5 | 2021 | UNDP | 7.1 | 2021 | UNDP | 0.3333 | 2024 | UN-DESA | High EGDI | 0.5427 |
| Venezuela (Bolivarian Republic of) | High HCI | 0.7115 | 96.6 | 2022 | UNESCO | 89.57 | 2009 | UNESCO | 12.8 | 2021 | UNDP | 11.1 | 2021 | UNDP | 0.3333 | 2024 | UN-DESA | High EGDI | 0.5360 |
| Viet Nam | High HCI | 0.7267 | 95.75 | 2019 | UNESCO | 91.9 | 2022 | UNESCO | 13 | 2021 | UNDP | 8.4 | 2021 | UNDP | 0.6111 | 2024 | UN-DESA | Very High EGDI | 0.7709 |
| Yemen | Middle HCI | 0.267 | 54.1 | 2004 | UNESCO | 55.52 | 2011 | UNESCO | 9.1 | 2021 | UNDP | 3.2 | 2021 | UNDP | 0.0556 | 2024 | UN-DESA | Low EGDI | 0.2317 |
| Zambia | High HCI | 0.6225 | 87.5 | 2020 | UNESCO | 85 | --- | UNESCO | 10.9 | 2021 | UNDP | 7.2 | 2021 | UNDP | 0.5556 | 2024 | UN-DESA | High EGDI | 0.5424 |
| Zimbabwe | High HCI | 0.5395 | 89.85 | 2022 | UNESCO | 66.25 | 2013 | UNESCO | 12.1 | 2021 | UNDP | 8.7 | 2021 | UNDP | 0.1111 | 2024 | UN-DESA | Middle EGDI | 0.4481 |

Table 11 Telecommunications Infrastructure Index (TII) and its components

| Country | TII Group | TII 2024 | Percentage of Mobile cellular telephone subscriptions | Percentage of Individuals using the Internet | Percentage of Mobile data and voice high-consumption basket price | Percentage of Fixed-broadband Internet basket price | Percentage of Active mobile-broadband subscriptions | EDGI Group | | EGDI 2024 |
|---------------------|---------------|----------|---|--|---|---|---|----------------|-----------|-----------|
| | | | | | | | | Low EGDI | High EGDI | |
| Afghanistan | Low TII | 0.2167 | 55.51 | 17.60 | 20.39 | 14.96 | 55.51 | Low EGDI | 0.2083 | |
| Albania | Very High TII | 0.7750 | 97.89 | 82.61 | 1.45 | 1.27 | 75.30 | Very High EGDI | 0.8000 | |
| Algeria | Very High TII | 0.8129 | 109.17 | 71.24 | 2.42 | 3.87 | 99.68 | High EGDI | 0.5956 | |
| Andorra | Very High TII | 0.9231 | 120.00 | 94.49 | 1.10 | 2.30 | 95.21 | High EGDI | 0.6893 | |
| Angola | Middle TII | 0.3724 | 66.69 | 39.29 | 4.49 | 12.18 | 26.27 | Middle EGDI | 0.4149 | |
| Antigua and Barbuda | Very High TII | 0.7943 | 120.00 | 91.41 | 3.02 | 4.83 | 51.50 | High EGDI | 0.6428 | |
| Argentina | Very High TII | 0.8425 | 120.00 | 88.38 | 1.00 | 5.66 | 72.90 | Very High EGDI | 0.8573 | |
| Armenia | Very High TII | 0.8782 | 120.00 | 77.03 | 1.00 | 4.20 | 102.05 | Very High EGDI | 0.8422 | |
| Australia | Very High TII | 0.9509 | 109.56 | 94.88 | 1.00 | 1.21 | 120.00 | Very High EGDI | 0.9577 | |
| Austria | Very High TII | 0.9810 | 120.00 | 93.61 | 1.00 | 1.00 | 120.00 | Very High EGDI | 0.9065 | |
| Azerbaijan | Very High TII | 0.8203 | 107.00 | 88.20 | 1.81 | 1.75 | 77.11 | Very High EGDI | 0.7607 | |
| Bahamas | Very High TII | 0.8652 | 98.54 | 94.41 | 1.09 | 1.58 | 98.54 | High EGDI | 0.7143 | |
| Bahrain | Very High TII | 0.9877 | 120.00 | 100.00 | 1.70 | 2.96 | 120.00 | Very High EGDI | 0.9196 | |
| Bangladesh | High TII | 0.6501 | 108.71 | 44.50 | 1.40 | 1.54 | 55.92 | High EGDI | 0.6570 | |
| Barbados | Very High TII | 0.7624 | 114.86 | 76.21 | 3.59 | 3.56 | 64.81 | High EGDI | 0.6815 | |
| Belarus | Very High TII | 0.9156 | 120.00 | 89.51 | 1.57 | 1.00 | 97.76 | High EGDI | 0.7445 | |
| Belgium | Very High TII | 0.8698 | 102.00 | 94.01 | 1.00 | 1.00 | 94.89 | Very High EGDI | 0.8121 | |
| Belize | High TII | 0.5292 | 66.00 | 70.35 | 3.85 | 6.98 | 44.20 | Middle EGDI | 0.4872 | |
| Benin | Middle TII | 0.4817 | 108.97 | 33.76 | 12.55 | 22.96 | 67.22 | Middle EGDI | 0.4578 | |
| Bhutan | Very High TII | 0.8169 | 94.89 | 86.84 | 2.19 | 2.87 | 98.01 | High EGDI | 0.6511 | |
| Bolivia | High TII | 0.7089 | 99.60 | 73.28 | 7.36 | 8.30 | 86.70 | High EGDI | 0.6651 | |

Table 11 (continued)

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| Country | TII Group | TII 2024 | Percentage of Mobile cellular telephone subscriptions | Percentage of Individuals using the Internet | Percentage of Mobile data and voice high-consumption basket price | Percentage of Fixed-broadband Internet basket price | Percentage of Active mobile-broadband subscriptions | EGDI Group | EGDI 2024 |
|--------------------------|---------------|----------|---|--|---|---|---|----------------|-----------|
| Bosnia and Herzegovina | Very High TII | 0.7763 | 117.89 | 83.38 | 2.33 | 10.09 | 64.89 | High EGDI | 0.6329 |
| Botswana | Very High TII | 0.8649 | 120.00 | 77.33 | 3.19 | 7.39 | 108.16 | High EGDI | 0.6118 |
| Brazil | Very High TII | 0.8069 | 98.89 | 80.53 | 1.00 | 3.05 | 93.06 | Very High EGDI | 0.8403 |
| Brunei Darussalam | Very High TII | 0.9868 | 117.76 | 99.00 | 1.00 | 1.20 | 118.82 | Very High EGDI | 0.7554 |
| Bulgaria | Very High TII | 0.9171 | 117.44 | 79.13 | 1.00 | 1.52 | 115.59 | Very High EGDI | 0.8145 |
| Burkina Faso | Middle TII | 0.3640 | 112.00 | 19.92 | 18.29 | 31.07 | 60.90 | Middle EGDI | 0.2895 |
| Burundi | Low TII | 0.0330 | 58.14 | 11.28 | 20.39 | 32.12 | 8.33 | Low EGDI | 0.2480 |
| Cabo Verde | High TII | 0.6128 | 99.23 | 72.10 | 20.12 | 2.85 | 74.59 | High EGDI | 0.6238 |
| Cambodia | Very High TII | 0.7609 | 116.33 | 56.73 | 3.10 | 11.61 | 101.97 | High EGDI | 0.5754 |
| Cameroon | Middle TII | 0.3700 | 88.92 | 43.86 | 15.93 | 19.78 | 36.04 | Middle EGDI | 0.4294 |
| Canada | Very High TII | 0.8078 | 92.11 | 94.00 | 1.00 | 1.05 | 81.04 | Very High EGDI | 0.8452 |
| Central African Republic | Low TII | 0.0000 | 33.60 | 7.51 | 20.39 | 16.43 | 5.22 | Low EGDI | 0.0947 |
| Chad | Low TII | 0.1194 | 68.14 | 12.18 | 20.39 | 16.43 | 3.40 | Low EGDI | 0.1785 |
| Chile | Very High TII | 0.9455 | 120.00 | 90.68 | 1.00 | 1.83 | 109.48 | Very High EGDI | 0.8827 |
| China | Very High TII | 0.8995 | 120.00 | 75.61 | 1.00 | 1.00 | 107.84 | Very High EGDI | 0.8718 |
| Colombia | Very High TII | 0.8065 | 120.00 | 72.80 | 1.50 | 3.80 | 76.17 | Very High EGDI | 0.7793 |
| Comoros | Middle TII | 0.3537 | 100.24 | 16.40 | 14.09 | 29.15 | 61.53 | Middle EGDI | 0.2586 |
| Congo | Middle TII | 0.2776 | 94.64 | 36.25 | 15.64 | 30.96 | 15.80 | Middle EGDI | 0.3391 |
| Costa Rica | Very High TII | 0.8933 | 120.00 | 82.60 | 1.00 | 1.64 | 96.55 | Very High EGDI | 0.8009 |
| Croatia | High TII | 0.6693 | 120.00 | 38.41 | 5.88 | 12.98 | 91.38 | Very High EGDI | 0.8818 |
| Cuba | Very High TII | 0.9180 | 111.17 | 82.07 | 1.00 | 1.00 | 120.00 | Middle EGDI | 0.4921 |
| Cyprus | High TII | 0.5318 | 67.78 | 73.22 | 5.03 | 6.79 | 42.20 | Very High EGDI | 0.8619 |
| Czechia | Very High TII | 0.8941 | 120.00 | 89.60 | 1.00 | 1.00 | 86.10 | Very High EGDI | 0.8239 |

Table 11 (continued)

| Country | TII Group | TII 2024 | Percentage of Mobile cellular telephone subscriptions | Percentage of Individuals using the Internet | Percentage of Mobile data and voice high-consumption basket price | Percentage of Fixed-broadband Internet basket price | Percentage of Active mobile-broadband subscriptions | EDGI Group | EGDI 2024 |
|---------------------------------------|---------------|----------|---|--|---|---|---|----------------|-----------|
| Côte d'Ivoire | Very High TII | 0.9204 | 120.00 | 84.54 | 1.00 | 1.00 | 105.03 | High EGDI | 0.5587 |
| Democratic People's Republic of Korea | Low TII | 0.1745 | 23.10 | 0.00 | 1.29 | 1.07 | 23.10 | Low EGDI | 0.2320 |
| Democratic Republic of the Congo | Low TII | 0.1591 | 50.34 | 27.24 | 20.39 | 16.43 | 26.19 | Middle EGDI | 0.2715 |
| Denmark | Very High TII | 0.9966 | 120.00 | 98.78 | 1.00 | 1.00 | 120.00 | Very High EGDI | 0.9847 |
| Djibouti | Middle TII | 0.3840 | 47.46 | 65.03 | 10.36 | 8.77 | 35.61 | Middle EGDI | 0.2911 |
| Dominica | High TII | 0.6757 | 85.90 | 83.38 | 5.86 | 5.57 | 67.80 | High EGDI | 0.5445 |
| Dominican Republic | High TII | 0.7444 | 90.39 | 89.03 | 3.32 | 2.66 | 71.64 | High EGDI | 0.7013 |
| Ecuador | High TII | 0.6833 | 97.17 | 72.69 | 2.97 | 4.74 | 59.43 | Very High EGDI | 0.7800 |
| Egypt | High TII | 0.6946 | 92.01 | 72.20 | 1.60 | 2.79 | 64.83 | High EGDI | 0.6699 |
| El Salvador | Very High TII | 0.7526 | 120.00 | 62.89 | 2.90 | 6.67 | 74.85 | High EGDI | 0.5988 |
| Equatorial Guinea | Middle TII | 0.2532 | 53.34 | 66.82 | 19.50 | 12.86 | 0.89 | Middle EGDI | 0.2855 |
| Eritrea | Low TII | 0.1405 | 49.70 | 26.59 | 12.87 | 32.12 | 25.00 | Low EGDI | 0.1576 |
| Estonia | Very High TII | 0.9731 | 120.00 | 91.02 | 1.00 | 1.00 | 120.00 | Very High EGDI | 0.9727 |
| Eswatini | Very High TII | 0.7851 | 120.00 | 58.25 | 4.65 | 13.37 | 113.53 | High EGDI | 0.6081 |
| Ethiopia | Middle TII | 0.2659 | 57.89 | 19.38 | 4.92 | 16.34 | 26.91 | Middle EGDI | 0.3111 |
| Fiji | Very High TII | 0.7507 | 107.00 | 85.22 | 10.39 | 1.80 | 76.10 | High EGDI | 0.6754 |
| Finland | Very High TII | 0.9791 | 120.00 | 93.00 | 1.00 | 1.00 | 120.00 | Very High EGDI | 0.9575 |
| France | Very High TII | 0.9228 | 118.85 | 85.33 | 1.00 | 1.18 | 107.00 | Very High EGDI | 0.8744 |
| Gabon | Very High TII | 0.8263 | 120.00 | 73.70 | 2.89 | 7.23 | 94.40 | High EGDI | 0.5741 |
| Gambia | Middle TII | 0.3877 | 101.00 | 54.19 | 20.39 | 33.04 | 50.30 | Middle EGDI | 0.2552 |
| Georgia | Very High TII | 0.9071 | 120.00 | 78.71 | 1.17 | 2.35 | 110.00 | Very High EGDI | 0.7792 |

Table 11 (continued)

| Country | TII Group | TII 2024 | Percentage of Mobile cellular telephone subscriptions | Percentage of Individuals using the Internet | Percentage of Mobile data and voice high-consumption basket price | Percentage of Fixed-broadband Internet basket price | Percentage of Active mobile-broadband subscriptions | EGDI Group | EGDI 2024 |
|----------------------------|---------------|----------|---|--|---|---|---|----------------|-----------|
| Germany | Very High TII | 0.9236 | 120.00 | 92.48 | 1.00 | 1.00 | 95.54 | Very High EGDI | 0.9382 |
| Ghana | High TII | 0.7281 | 119.62 | 69.84 | 3.74 | 12.76 | 68.38 | High EGDI | 0.6317 |
| Greece | Very High TII | 0.8657 | 109.32 | 83.17 | 1.35 | 1.88 | 100.10 | Very High EGDI | 0.8674 |
| Grenada | High TII | 0.6767 | 81.10 | 79.90 | 5.17 | 4.89 | 76.60 | High EGDI | 0.6458 |
| Guatemala | High TII | 0.5843 | 115.18 | 54.40 | 3.12 | 6.26 | 17.00 | High EGDI | 0.5738 |
| Guinea | Middle TII | 0.4323 | 102.00 | 33.92 | 9.32 | 11.29 | 23.40 | Middle EGDI | 0.4006 |
| Guinea-Bissau | Middle TII | 0.4902 | 120.00 | 31.57 | 7.97 | 33.04 | 62.50 | Middle EGDI | 0.3083 |
| Guyana | High TII | 0.6942 | 106.00 | 85.32 | 3.46 | 3.65 | 33.80 | High EGDI | 0.5443 |
| Haiti | Low TII | 0.2087 | 63.90 | 39.30 | 15.62 | 33.04 | 28.20 | Low EGDI | 0.2116 |
| Honduras | Middle TII | 0.4799 | 76.08 | 59.71 | 9.45 | 12.76 | 49.78 | Middle EGDI | 0.4856 |
| Hungary | Very High TII | 0.8282 | 103.00 | 89.14 | 1.11 | 1.00 | 81.59 | Very High EGDI | 0.8043 |
| Iceland | Very High TII | 0.9983 | 120.00 | 99.86 | 1.00 | 1.40 | 120.00 | Very High EGDI | 0.9671 |
| India | High TII | 0.5700 | 80.65 | 48.08 | 1.11 | 2.80 | 56.36 | High EGDI | 0.6678 |
| Indonesia | Very High TII | 0.8645 | 120.00 | 66.48 | 1.71 | 6.13 | 116.00 | Very High EGDI | 0.7991 |
| Iran (Islamic Republic of) | Very High TII | 0.8987 | 120.00 | 81.72 | 4.20 | 4.91 | 116.00 | High EGDI | 0.6564 |
| Iraq | High TII | 0.6874 | 98.18 | 78.72 | 2.55 | 2.54 | 46.18 | Middle EGDI | 0.4572 |
| Ireland | Very High TII | 0.9599 | 113.00 | 95.59 | 1.00 | 1.46 | 118.60 | Very High EGDI | 0.9138 |
| Israel | Very High TII | 0.9763 | 120.00 | 92.09 | 1.00 | 1.00 | 120.00 | Very High EGDI | 0.9014 |
| Italy | Very High TII | 0.9017 | 120.00 | 85.06 | 1.00 | 1.06 | 95.91 | Very High EGDI | 0.8356 |
| Jamaica | High TII | 0.7296 | 106.20 | 85.12 | 5.81 | 8.91 | 66.67 | High EGDI | 0.6678 |
| Japan | Very High TII | 0.9509 | 120.00 | 84.92 | 1.49 | 1.09 | 120.00 | Very High EGDI | 0.9351 |
| Jordan | High TII | 0.6499 | 67.57 | 90.50 | 3.54 | 6.71 | 67.57 | High EGDI | 0.6849 |
| Kazakhstan | Very High TII | 0.9235 | 120.00 | 92.30 | 1.14 | 1.00 | 96.18 | Very High EGDI | 0.9009 |

Table 11 (continued)

| Country | TII Group | TII 2024 | Percentage of Mobile cellular telephone subscriptions | Percentage of Individuals using the Internet | Percentage of Mobile data and voice high-consumption basket price | Percentage of Fixed-broadband Internet basket price | Percentage of Active mobile-broadband subscriptions | EDGI Group | EGDI 2024 |
|----------------------------------|---------------|----------|---|--|---|---|---|----------------|-----------|
| Kenya | High TII | 0.5901 | 120.00 | 40.81 | 5.96 | 16.61 | 59.02 | High EGDI | 0.6314 |
| Kiribati | Middle TII | 0.3544 | 48.83 | 54.42 | 15.05 | 8.34 | 48.42 | Middle EGDI | 0.4572 |
| Kuwait | Very High TII | 0.9988 | 120.00 | 99.75 | 1.00 | 1.18 | 120.00 | Very High EGDI | 0.7812 |
| Kyrgyzstan | Very High TII | 0.8815 | 112.17 | 79.77 | 2.73 | 6.22 | 120.00 | High EGDI | 0.7316 |
| Lao People's Democratic Republic | High TII | 0.5338 | 65.00 | 66.15 | 8.21 | 1.18 | 56.40 | Middle EGDI | 0.4404 |
| Latvia | Very High TII | 0.9660 | 117.10 | 92.19 | 1.00 | 1.37 | 120.00 | Very High EGDI | 0.8852 |
| Lebanon | High TII | 0.6425 | 76.70 | 90.05 | 15.38 | 1.03 | 77.80 | High EGDI | 0.5449 |
| Lesotho | Middle TII | 0.4643 | 67.52 | 47.04 | 11.66 | 6.10 | 67.12 | Middle EGDI | 0.4123 |
| Liberia | Low TII | 0.1238 | 31.80 | 30.13 | 20.39 | 28.61 | 54.99 | Middle EGDI | 0.2513 |
| Libya | Very High TII | 0.9639 | 120.00 | 88.43 | 1.20 | 1.00 | 120.00 | High EGDI | 0.5466 |
| Liechtenstein | Very High TII | 0.9906 | 120.00 | 96.80 | 1.00 | 1.00 | 120.00 | Very High EGDI | 0.8528 |
| Lithuania | Very High TII | 0.9631 | 120.00 | 87.72 | 1.00 | 1.00 | 120.00 | Very High EGDI | 0.9110 |
| Luxembourg | Very High TII | 0.9888 | 120.00 | 99.35 | 1.00 | 1.00 | 115.65 | Very High EGDI | 0.8466 |
| Madagascar | Low TII | 0.1518 | 66.55 | 20.58 | 15.54 | 33.04 | 24.08 | Middle EGDI | 0.3235 |
| Malawi | Low TII | 0.1886 | 60.13 | 27.66 | 14.91 | 33.04 | 38.34 | Middle EGDI | 0.3753 |
| Malaysia | Very High TII | 0.9862 | 120.00 | 97.40 | 1.05 | 2.48 | 120.00 | Very High EGDI | 0.8111 |
| Maldives | Very High TII | 0.7886 | 120.00 | 83.91 | 2.54 | 2.54 | 53.61 | High EGDI | 0.6745 |
| Mali | Middle TII | 0.4432 | 114.50 | 33.05 | 17.01 | 24.05 | 58.48 | Middle EGDI | 0.3005 |
| Malta | Very High TII | 0.9747 | 120.00 | 91.54 | 1.00 | 1.00 | 120.00 | Very High EGDI | 0.8886 |
| Marshall Islands | Middle TII | 0.3047 | 38.00 | 73.22 | 7.90 | 11.87 | 0.00 | Middle EGDI | 0.4823 |
| Mauritania | High TII | 0.5824 | 113.12 | 44.36 | 8.64 | 19.19 | 73.42 | Middle EGDI | 0.3491 |
| Mauritius | Very High TII | 0.9159 | 120.00 | 75.50 | 1.38 | 1.42 | 117.33 | Very High EGDI | 0.7506 |

Table 11 (continued)

| Country | TII Group | TII 2024 | Percentage of Mobile cellular telephone subscriptions | Percentage of Individuals using the Internet | Percentage of Mobile data and voice high-consumption basket price | Percentage of Fixed-broadband Internet basket price | Percentage of Active mobile-broadband subscriptions | EDGI Group | EGDI 2024 |
|----------------------------------|---------------|----------|---|--|---|---|---|----------------|-----------|
| Mexico | Very High TII | 0.8310 | 107.00 | 78.63 | 1.22 | 2.13 | 94.01 | Very High EGDI | 0.7850 |
| Micronesia (Federated States of) | Low TII | 0.1350 | 19.40 | 40.54 | 12.99 | 6.19 | 0.00 | Middle EGDI | 0.3235 |
| Monaco | Very High TII | 0.9171 | 106.82 | 98.38 | 1.00 | 1.00 | 103.40 | High EGDI | 0.7175 |
| Mongolia | Very High TII | 0.9374 | 120.00 | 83.91 | 1.88 | 1.71 | 117.61 | Very High EGDI | 0.8457 |
| Montenegro | Very High TII | 0.9229 | 120.00 | 88.22 | 1.04 | 1.73 | 102.53 | High EGDI | 0.7211 |
| Morocco | Very High TII | 0.8827 | 120.00 | 90.65 | 2.29 | 3.84 | 88.64 | High EGDI | 0.6841 |
| Mozambique | Low TII | 0.0632 | 45.38 | 21.21 | 18.70 | 33.04 | 23.16 | Middle EGDI | 0.2848 |
| Myanmar | High TII | 0.6662 | 106.70 | 48.10 | 4.93 | 15.33 | 97.09 | High EGDI | 0.5001 |
| Namibia | High TII | 0.7288 | 113.20 | 62.22 | 2.57 | 8.70 | 77.41 | High EGDI | 0.6007 |
| Nauru | High TII | 0.5863 | 79.90 | 82.67 | 1.49 | 10.29 | 32.00 | Middle EGDI | 0.4454 |
| Nepal | Very High TII | 0.7653 | 120.00 | 49.56 | 3.00 | 1.06 | 89.05 | High EGDI | 0.5781 |
| Netherlands | Very High TII | 0.9715 | 118.07 | 92.52 | 1.00 | 1.00 | 120.00 | Very High EGDI | 0.9538 |
| New Zealand | Very High TII | 0.8728 | 115.00 | 95.73 | 1.00 | 12.53 | 96.18 | Very High EGDI | 0.9265 |
| Nicaragua | High TII | 0.5851 | 101.01 | 61.05 | 6.06 | 20.75 | 64.00 | High EGDI | 0.5318 |
| Niger | Low TII | 0.1578 | 56.40 | 16.94 | 12.17 | 28.61 | 28.00 | Low EGDI | 0.2116 |
| Nigeria | Middle TII | 0.4836 | 102.00 | 35.46 | 3.54 | 19.33 | 41.36 | Middle EGDI | 0.4815 |
| North Macedonia | Very High TII | 0.7546 | 97.83 | 84.23 | 2.16 | 3.23 | 69.66 | High EGDI | 0.7070 |
| Norway | Very High TII | 0.9654 | 112.12 | 99.00 | 1.00 | 1.12 | 117.06 | Very High EGDI | 0.9315 |
| Oman | Very High TII | 0.9674 | 120.00 | 97.85 | 1.99 | 3.66 | 115.91 | Very High EGDI | 0.8576 |
| Pakistan | Middle TII | 0.4745 | 81.75 | 32.95 | 1.51 | 12.72 | 51.54 | High EGDI | 0.5096 |
| Palau | Middle TII | 0.4910 | 120.00 | 27.00 | 2.08 | 5.00 | 0.00 | High EGDI | 0.5072 |
| Panama | Very High TII | 0.8523 | 120.00 | 73.61 | 1.87 | 3.75 | 96.85 | High EGDI | 0.7298 |

Table 11 (continued)

| Country | TII Group | TII 2024 | Percentage of Mobile cellular telephone subscriptions | Percentage of Individuals using the Internet | Percentage of Mobile data and voice high-consumption basket price | Percentage of Fixed-broadband Internet basket price | Percentage of Active mobile-broadband subscriptions | EDGI Group | EGDI 2024 |
|----------------------------------|---------------|----------|---|--|---|---|---|----------------|-----------|
| Papua New Guinea | Low TII | 0.1851 | 48.40 | 26.99 | 13.23 | 12.02 | 11.10 | Middle EGDI | 0.3076 |
| Paraguay | Very High TII | 0.7947 | 120.00 | 76.35 | 3.03 | 4.00 | 70.95 | High EGDI | 0.7251 |
| Peru | Very High TII | 0.8364 | 120.00 | 74.68 | 1.39 | 2.99 | 85.30 | Very High EGDI | 0.8070 |
| Philippines | Very High TII | 0.7554 | 120.00 | 72.26 | 2.32 | 11.26 | 69.81 | Very High EGDI | 0.7621 |
| Poland | Very High TII | 0.9603 | 120.00 | 86.94 | 1.00 | 1.09 | 120.00 | Very High EGDI | 0.8648 |
| Portugal | Very High TII | 0.8979 | 120.00 | 84.50 | 1.00 | 1.48 | 95.74 | Very High EGDI | 0.8415 |
| Qatar | Very High TII | 0.9963 | 120.00 | 100.00 | 1.00 | 1.99 | 120.00 | Very High EGDI | 0.8244 |
| Republic of Korea | Very High TII | 0.9917 | 120.00 | 97.20 | 1.00 | 1.03 | 120.00 | Very High EGDI | 0.9679 |
| Republic of Moldova | Very High TII | 0.8118 | 120.00 | 63.53 | 1.00 | 1.99 | 86.45 | Very High EGDI | 0.7719 |
| Romania | Very High TII | 0.8922 | 118.11 | 85.50 | 1.00 | 1.00 | 93.63 | Very High EGDI | 0.7636 |
| Russian Federation | Very High TII | 0.9512 | 120.00 | 90.42 | 1.00 | 1.00 | 110.89 | Very High EGDI | 0.8532 |
| Rwanda | Middle TII | 0.3724 | 79.86 | 34.44 | 7.13 | 33.04 | 60.10 | High EGDI | 0.5799 |
| Saint Kitts and Nevis | Very High TII | 0.8675 | 119.00 | 76.46 | 2.47 | 3.15 | 102.00 | High EGDI | 0.6305 |
| Saint Lucia | High TII | 0.6498 | 95.60 | 74.19 | 5.39 | 4.73 | 51.80 | High EGDI | 0.5255 |
| Saint Vincent and the Grenadines | High TII | 0.6767 | 100.46 | 77.74 | 6.29 | 6.71 | 58.54 | High EGDI | 0.5876 |
| Samoa | Middle TII | 0.4606 | 60.40 | 75.29 | 5.31 | 15.10 | 33.65 | Middle EGDI | 0.4899 |
| San Marino | Very High TII | 0.9491 | 120.00 | 85.06 | 1.10 | 2.30 | 120.00 | High EGDI | 0.6551 |
| Sao Tome and Principe | Middle TII | 0.4839 | 86.37 | 56.99 | 7.78 | 15.57 | 40.58 | Middle EGDI | 0.4308 |
| Saudi Arabia | Very High TII | 0.9841 | 120.00 | 100.00 | 1.34 | 4.47 | 120.00 | Very High EGDI | 0.9602 |
| Senegal | High TII | 0.7328 | 120.00 | 59.98 | 5.50 | 17.75 | 98.05 | High EGDI | 0.5162 |
| Serbia | Very High TII | 0.9221 | 120.00 | 83.54 | 1.00 | 2.31 | 109.54 | Very High EGDI | 0.8618 |
| Seychelles | Very High TII | 0.8913 | 120.00 | 86.67 | 4.28 | 1.14 | 99.22 | High EGDI | 0.6773 |

Table 11 (continued)

| Country | TII Group | TII 2024 | Percentage of Mobile cellular telephone subscriptions | Percentage of Individuals using the Internet | Percentage of Mobile data and voice high-consumption basket price | Percentage of Fixed-broadband Internet basket price | Percentage of Active mobile-broadband subscriptions | EDGI Group | EGDI 2024 |
|----------------------|---------------|----------|---|--|---|---|---|----------------|-----------|
| Sierra Leone | Middle TII | 0.2585 | 97.70 | 30.35 | 20.39 | 28.61 | 21.20 | Middle EGDI | 0.3042 |
| Singapore | Very High TII | 0.9881 | 120.00 | 95.95 | 1.00 | 1.00 | 120.00 | Very High EGDI | 0.9691 |
| Slovakia | Very High TII | 0.8985 | 120.00 | 91.40 | 1.36 | 1.00 | 86.74 | Very High EGDI | 0.8021 |
| Slovenia | Very High TII | 0.9107 | 120.00 | 88.91 | 1.00 | 1.77 | 96.01 | Very High EGDI | 0.8759 |
| Solomon Islands | Low TII | 0.1811 | 67.00 | 44.96 | 20.39 | 33.04 | 18.10 | Middle EGDI | 0.3681 |
| Somalia | Low TII | 0.1432 | 50.26 | 27.60 | 5.33 | 33.04 | 2.53 | Low EGDI | 0.1468 |
| South Africa | Very High TII | 0.8951 | 120.00 | 74.70 | 3.49 | 3.89 | 120.00 | Very High EGDI | 0.8616 |
| South Sudan | Low TII | 0.0547 | 49.00 | 12.14 | 12.87 | 32.12 | 6.97 | Low EGDI | 0.1191 |
| Spain | Very High TII | 0.9603 | 120.00 | 94.49 | 1.29 | 1.27 | 110.81 | Very High EGDI | 0.9206 |
| Sri Lanka | Very High TII | 0.7936 | 120.00 | 50.11 | 1.00 | 1.00 | 94.88 | High EGDI | 0.6667 |
| Sudan | Middle TII | 0.4392 | 73.97 | 28.70 | 5.78 | 2.79 | 47.60 | Middle EGDI | 0.2759 |
| Suriname | Very High TII | 0.8714 | 120.00 | 75.76 | 7.62 | 3.61 | 120.00 | High EGDI | 0.6365 |
| Sweden | Very High TII | 0.9868 | 120.00 | 95.70 | 1.00 | 1.13 | 120.00 | Very High EGDI | 0.9326 |
| Switzerland | Very High TII | 0.9576 | 120.00 | 96.80 | 1.00 | 1.00 | 105.00 | Very High EGDI | 0.9003 |
| Syrian Arab Republic | Middle TII | 0.4426 | 79.85 | 34.70 | 2.51 | 2.54 | 21.90 | Middle EGDI | 0.3888 |
| Tajikistan | High TII | 0.5810 | 119.00 | 36.09 | 4.89 | 5.87 | 40.00 | High EGDI | 0.5606 |
| Thailand | Very High TII | 0.9410 | 120.00 | 87.98 | 2.92 | 3.45 | 120.00 | Very High EGDI | 0.8351 |
| Timor-Leste | Middle TII | 0.3551 | 110.42 | 40.75 | 18.56 | 30.31 | 29.89 | Middle EGDI | 0.4020 |
| Togo | Low TII | 0.2474 | 74.18 | 37.62 | 17.40 | 32.62 | 38.00 | Middle EGDI | 0.3920 |
| Tonga | Middle TII | 0.4784 | 60.70 | 57.50 | 3.11 | 3.57 | 38.00 | High EGDI | 0.5164 |
| Trinidad and Tobago | Very High TII | 0.7745 | 120.00 | 79.98 | 2.73 | 3.35 | 54.71 | High EGDI | 0.6973 |
| Tunisia | Very High TII | 0.8357 | 120.00 | 73.84 | 1.52 | 2.61 | 85.83 | High EGDI | 0.6935 |

Table 11 (continued)

| Country | TII Group | TII 2024 | Percentage of Mobile cellular telephone subscriptions | Percentage of Individuals using the Internet | Percentage of Mobile data and voice high-consumption basket price | Percentage of Fixed-broadband Internet basket price | Percentage of Active mobile-broadband subscriptions | EDGI Group | EGDI 2024 |
|--|---------------|----------|---|--|---|---|---|----------------|-----------|
| Turkiye | Very High TII | 0.8322 | 105.81 | 85.96 | 1.00 | 1.29 | 83.96 | Very High EGDI | 0.8913 |
| Turkmenistan | High TII | 0.5151 | 98.60 | 21.30 | 2.43 | 4.68 | 49.99 | Middle EGDI | 0.4757 |
| Tuvalu | Middle TII | 0.4720 | 80.30 | 81.19 | 5.47 | 13.68 | 0.00 | Middle EGDI | 0.4042 |
| Uganda | Low TII | 0.2299 | 69.99 | 10.34 | 10.88 | 33.04 | 54.35 | Middle EGDI | 0.4464 |
| Ukraine | Very High TII | 0.8428 | 120.00 | 79.22 | 1.46 | 1.87 | 80.10 | Very High EGDI | 0.8841 |
| United Arab Emirates | Very High TII | 1.0000 | 120.00 | 100.00 | 1.05 | 1.00 | 120.00 | Very High EGDI | 0.9533 |
| United Kingdom of Great Britain and Northern Ireland | Very High TII | 0.9747 | 120.00 | 95.34 | 1.00 | 1.16 | 115.06 | Very High EGDI | 0.9577 |
| United Republic of Tanzania | Middle TII | 0.3792 | 91.90 | 31.90 | 6.87 | 22.04 | 28.60 | Middle EGDI | 0.4327 |
| United States of America | Very High TII | 0.9605 | 110.17 | 97.13 | 1.00 | 1.00 | 120.00 | Very High EGDI | 0.9194 |
| Uruguay | Very High TII | 0.9437 | 120.00 | 89.87 | 2.69 | 2.30 | 115.82 | Very High EGDI | 0.9006 |
| Uzbekistan | Very High TII | 0.8769 | 106.42 | 83.90 | 1.02 | 1.71 | 107.00 | Very High EGDI | 0.7999 |
| Vanuatu | High TII | 0.6165 | 78.20 | 69.89 | 7.47 | 30.02 | 120.00 | High EGDI | 0.5427 |
| Venezuela, Bolivarian Republic of | High TII | 0.5390 | 66.26 | 61.60 | 2.94 | 3.99 | 52.14 | High EGDI | 0.5360 |
| Viet Nam | Very High TII | 0.8780 | 120.00 | 78.59 | 1.00 | 2.64 | 96.94 | Very High EGDI | 0.7709 |
| Yemen | Middle TII | 0.2905 | 52.69 | 17.69 | 6.14 | 4.03 | 29.18 | Low EGDI | 0.2317 |
| Zambia | High TII | 0.5088 | 99.10 | 31.23 | 3.82 | 14.71 | 55.26 | High EGDI | 0.5424 |
| Zimbabwe | Middle TII | 0.3947 | 87.62 | 32.56 | 20.39 | 9.45 | 59.56 | Middle EGDI | 0.4481 |

Table 12 Local Online Service Index and its components

| City | Country | Region | LOSI Group | Rank | LOSI 2024 | IF | CP | SP | EPI | TEC | OSI Group | OSI 2024 |
|------------|--|----------|----------------|------|-----------|--------|--------|--------|--------|---------------|---------------|----------|
| Tallinn | Estonia | Europe | Very High LOSI | 1 | 0.9271 | 1.0000 | 0.9333 | 0.9091 | 0.6000 | Very High OSI | 0.9954 | |
| Madrid | Spain | Europe | Very High LOSI | 1 | 0.9271 | 1.0000 | 0.9333 | 1.0000 | 0.6364 | 0.8000 | Very High OSI | 0.9054 |
| Riyadh | Saudi Arabia | Asia | Very High LOSI | 3 | 0.9167 | 1.0000 | 0.8667 | 0.8182 | 0.7000 | Very High OSI | 0.9899 | |
| Copenhagen | Denmark | Europe | Very High LOSI | 4 | 0.9063 | 1.0000 | 0.9667 | 0.9333 | 0.7273 | 0.6000 | Very High OSI | 0.9992 |
| Dubai | United Arab Emirates | Asia | Very High LOSI | 4 | 0.9063 | 0.8000 | 0.9333 | 0.9000 | 0.8182 | 0.6000 | Very High OSI | 0.9163 |
| New York | United States of America | Americas | Very High LOSI | 4 | 0.9063 | 0.8000 | 1.0000 | 0.7333 | 0.8182 | 0.7000 | Very High OSI | 0.9136 |
| Istanbul | Turkiye | Asia | Very High LOSI | 7 | 0.8958 | 1.0000 | 0.8667 | 0.8333 | 0.7273 | 0.7000 | Very High OSI | 0.9225 |
| Berlin | Germany | Europe | Very High LOSI | 8 | 0.8854 | 1.0000 | 0.9333 | 0.7000 | 0.9091 | 0.7000 | Very High OSI | 0.9238 |
| Seoul | Republic of Korea | Asia | Very High LOSI | 9 | 0.875 | 1.0000 | 0.9000 | 0.6333 | 0.9091 | 0.7000 | Very High OSI | 1.0000 |
| Singapore | Singapore | Asia | Very High LOSI | 9 | 0.875 | 1.0000 | 0.9333 | 0.6333 | 0.8182 | 0.7000 | Very High OSI | 0.9831 |
| London | United Kingdom of Great Britain and Northern Ireland | Europe | Very High LOSI | 9 | 0.875 | 1.0000 | 0.9000 | 0.7000 | 0.7273 | 0.6000 | Very High OSI | 0.9535 |
| Shanghai | China | Asia | Very High LOSI | 12 | 0.8646 | 1.0000 | 0.9000 | 0.6667 | 0.7273 | 0.7000 | Very High OSI | 0.9258 |
| Manama | Bahrain | Asia | Very High LOSI | 13 | 0.8542 | 1.0000 | 0.7000 | 0.6000 | 0.9091 | 0.4000 | Very High OSI | 0.9030 |
| Tokyo | Japan | Asia | Very High LOSI | 13 | 0.8542 | 1.0000 | 0.7667 | 0.3000 | 0.7273 | 0.5000 | Very High OSI | 0.9427 |
| Kyiv | Ukraine | Europe | Very High LOSI | 13 | 0.8542 | 1.0000 | 0.9667 | 0.9667 | 0.9091 | 0.7000 | Very High OSI | 0.9854 |
| Vienna | Austria | Europe | Very High LOSI | 16 | 0.8438 | 1.0000 | 0.9667 | 0.9667 | 0.6364 | 0.8000 | Very High OSI | 0.8383 |
| Bogota | Colombia | Americas | Very High LOSI | 16 | 0.8438 | 1.0000 | 0.9333 | 0.9333 | 0.6364 | 1.0000 | Very High OSI | 0.7521 |
| Moscow | Russian Federation | Europe | Very High LOSI | 16 | 0.8438 | 1.0000 | 0.9333 | 0.8667 | 0.9091 | 0.7000 | Very High OSI | 0.7766 |
| Sao Paulo | Brazil | Americas | Very High LOSI | 19 | 0.8333 | 1.0000 | 1.0000 | 0.8333 | 0.7273 | 0.7000 | Very High OSI | 0.9063 |
| Montevideo | Uruguay | Americas | Very High LOSI | 19 | 0.8333 | 1.0000 | 0.9333 | 0.7667 | 1.0000 | 0.8000 | Very High OSI | 0.8832 |
| Helsinki | Finland | Europe | Very High LOSI | 21 | 0.8125 | 1.0000 | 0.9000 | 0.9000 | 0.7273 | 0.7000 | Very High OSI | 0.9097 |
| Paris | France | Europe | Very High LOSI | 21 | 0.8125 | 1.0000 | 0.9667 | 0.9667 | 0.4545 | 0.5000 | Very High OSI | 0.8440 |
| Reykjavik | Iceland | Europe | Very High LOSI | 21 | 0.8125 | 1.0000 | 0.8667 | 0.8667 | 0.8182 | 0.6000 | Very High OSI | 0.9076 |
| Rome | Italy | Europe | Very High LOSI | 21 | 0.8125 | 1.0000 | 0.9000 | 0.8000 | 0.8182 | 0.6000 | Very High OSI | 0.7624 |

Table 12 (continued)

| City | Country | Region | LOSI Group | Rank | LOSI 2024 | IF | CP | SP | EPI | TEC | OSI Group | OSI 2024 |
|------------------|-------------|----------|----------------|------|-----------|--------|--------|--------|--------|--------|---------------|----------|
| Riga | Latvia | Europe | Very High LOSI | 21 | 0.8125 | 1.0000 | 0.8667 | 0.7667 | 0.9091 | 0.7000 | Very High OSI | 0.8092 |
| Zurich | Switzerland | Europe | Very High LOSI | 21 | 0.8125 | 1.0000 | 0.9000 | 0.7667 | 0.7273 | 0.6000 | Very High OSI | 0.8408 |
| Buenos Aires | Argentina | Americas | Very High LOSI | 27 | 0.8021 | 1.0000 | 0.9000 | 0.7333 | 0.8182 | 0.6000 | Very High OSI | 0.7965 |
| Zagreb | Croatia | Europe | Very High LOSI | 27 | 0.8021 | 1.0000 | 0.9667 | 0.7000 | 0.7273 | 0.6000 | Very High OSI | 0.8735 |
| Almaty | Kazakhstan | Asia | Very High LOSI | 27 | 0.8021 | 1.0000 | 0.9000 | 0.7333 | 0.7273 | 0.6000 | Very High OSI | 0.9390 |
| Auckland | New Zealand | Oceania | Very High LOSI | 27 | 0.8021 | 1.0000 | 0.9333 | 0.7000 | 0.7273 | 0.6000 | Very High OSI | 0.9453 |
| Stockholm | Sweden | Europe | Very High LOSI | 27 | 0.8021 | 1.0000 | 0.9333 | 0.6333 | 0.7273 | 0.7000 | Very High OSI | 0.8836 |
| Sofia | Bulgaria | Europe | Very High LOSI | 32 | 0.7917 | 0.8000 | 0.8667 | 0.6667 | 0.7273 | 0.7000 | Very High OSI | 0.7727 |
| Toronto | Canada | Americas | Very High LOSI | 32 | 0.7917 | 0.8000 | 0.8667 | 0.7000 | 0.5455 | 0.7000 | Very High OSI | 0.8552 |
| Doha | Qatar | Asia | Very High LOSI | 32 | 0.7917 | 1.0000 | 0.8333 | 0.7000 | 0.6364 | 0.5000 | Very High OSI | 0.7655 |
| Amsterdam | Netherlands | Europe | Very High LOSI | 35 | 0.7813 | 1.0000 | 0.9333 | 0.5667 | 0.7273 | 0.5000 | Very High OSI | 0.9212 |
| Oslo | Norway | Europe | Very High LOSI | 35 | 0.7813 | 1.0000 | 0.9000 | 0.5333 | 0.6364 | 0.4000 | Very High OSI | 0.9117 |
| Sydney | Australia | Oceania | Very High LOSI | 37 | 0.7708 | 0.8000 | 0.8000 | 0.4667 | 0.2727 | 0.4000 | Very High OSI | 0.9222 |
| Warsaw | Poland | Europe | Very High LOSI | 37 | 0.7708 | 0.8000 | 0.7000 | 0.4333 | 0.3636 | 0.6000 | Very High OSI | 0.8037 |
| Vilnius | Lithuania | Europe | Very High LOSI | 39 | 0.7604 | 1.0000 | 0.9000 | 0.8667 | 0.8182 | 0.7000 | Very High OSI | 0.8839 |
| Guayaquil | Ecuador | Americas | Very High LOSI | 40 | 0.75 | 0.8000 | 0.9000 | 0.7333 | 0.9091 | 0.7000 | Very High OSI | 0.8851 |
| Tel Aviv | Israel | Asia | Very High LOSI | 40 | 0.75 | 0.8000 | 0.8000 | 0.8333 | 0.8182 | 0.7000 | Very High OSI | 0.8541 |
| Luxembourg-Ville | Luxembourg | Europe | Very High LOSI | 40 | 0.75 | 1.0000 | 0.8333 | 0.7667 | 0.7273 | 0.6000 | Very High OSI | 0.7555 |
| Brussels | Belgium | Europe | High LOSI | 43 | 0.7396 | 0.8000 | 0.8667 | 0.6667 | 0.6364 | 0.7000 | High OSI | 0.7224 |
| Bratislava | Slovakia | Europe | High LOSI | 44 | 0.7188 | 0.8000 | 0.9000 | 0.5667 | 0.7273 | 0.7000 | High OSI | 0.7097 |
| Mexico City | Mexico | Americas | High LOSI | 45 | 0.7083 | 1.0000 | 0.8667 | 0.6667 | 0.3636 | 0.6000 | Very High OSI | 0.7637 |
| Lisbon | Portugal | Europe | High LOSI | 45 | 0.7083 | 1.0000 | 0.8667 | 0.4000 | 0.7273 | 0.7000 | Very High OSI | 0.7878 |
| Jakarta | Indonesia | Asia | High LOSI | 47 | 0.6875 | 1.0000 | 0.8333 | 0.5667 | 0.5455 | 0.4000 | Very High OSI | 0.8035 |
| Dublin | Ireland | Europe | High LOSI | 47 | 0.6875 | 1.0000 | 0.9000 | 0.5000 | 0.3636 | 0.6000 | Very High OSI | 0.8768 |
| Prague | Czechia | Europe | High LOSI | 49 | 0.6771 | 0.8000 | 0.6667 | 0.5667 | 0.6364 | 0.7000 | High OSI | 0.7006 |

Table 12 (continued)

| City | Country | Region | LOSI Group | Rank | LOSI 2024 | IF | CP | SP | EPI | TEC | OSI Group | OSI 2024 |
|---------------------|---------------------|----------|------------|------|-----------|--------|--------|--------|--------|--------|---------------|----------|
| Bucharest | Romania | Europe | High LOSI | 49 | 0.6771 | 0.8000 | 0.8667 | 0.4000 | 0.4545 | 0.6000 | High OSI | 0.6548 |
| Bangkok | Thailand | Asia | High LOSI | 51 | 0.6667 | 0.8000 | 0.7000 | 0.6000 | 0.2727 | 0.6000 | Very High OSI | 0.7611 |
| Yerevan | Armenia | Asia | High LOSI | 52 | 0.6563 | 0.8000 | 0.7000 | 0.4333 | 0.5455 | 0.6000 | Very High OSI | 0.7922 |
| Ulaanbaatar | Mongolia | Asia | High LOSI | 53 | 0.6354 | 0.4000 | 0.7000 | 0.4667 | 0.5455 | 0.5000 | Very High OSI | 0.8222 |
| Ho Chi Minh City | Viet Nam | Asia | High LOSI | 53 | 0.6354 | 0.8000 | 0.6333 | 0.4333 | 0.5455 | 0.5000 | High OSI | 0.7081 |
| Tirana | Albania | Europe | High LOSI | 55 | 0.625 | 0.8000 | 0.6000 | 0.4667 | 0.2727 | 0.7000 | Very High OSI | 0.8144 |
| Monaco | Monaco | Europe | High LOSI | 55 | 0.625 | 0.8000 | 0.6000 | 0.4333 | 0.3636 | 0.5000 | Middle OSI | 0.4838 |
| Kigali | Rwanda | Africa | High LOSI | 55 | 0.625 | 0.4000 | 0.6000 | 0.3333 | 0.2727 | 0.4000 | Very High OSI | 0.8207 |
| Nairobi | Kenya | Africa | High LOSI | 58 | 0.6146 | 1.0000 | 0.9000 | 0.9000 | 0.2727 | 0.7000 | Very High OSI | 0.7770 |
| Budapest | Hungary | Europe | High LOSI | 59 | 0.6042 | 1.0000 | 0.9333 | 0.6667 | 0.8182 | 0.7000 | High OSI | 0.7144 |
| Quezon | Philippines | Asia | High LOSI | 59 | 0.6042 | 1.0000 | 0.9000 | 0.7667 | 0.5455 | 0.7000 | Very High OSI | 0.8054 |
| Johannesburg | South Africa | Africa | High LOSI | 59 | 0.6042 | 1.0000 | 0.4667 | 0.5667 | 0.8182 | 0.6000 | Very High OSI | 0.8872 |
| Santo Domingo | Dominican Republic | Americas | High LOSI | 62 | 0.5938 | 1.0000 | 0.7000 | 0.4333 | 0.2727 | 0.7000 | High OSI | 0.6405 |
| Tbilisi | Georgia | Asia | High LOSI | 62 | 0.5938 | 0.6000 | 0.6667 | 0.3667 | 0.3636 | 0.6000 | High OSI | 0.5652 |
| Kuala Lumpur | Malaysia | Asia | High LOSI | 62 | 0.5938 | 0.8000 | 0.6333 | 0.3333 | 0.4545 | 0.5000 | High OSI | 0.7280 |
| Athens | Greece | Europe | High LOSI | 65 | 0.5833 | 1.0000 | 0.6667 | 0.3333 | 0.2727 | 0.4000 | Very High OSI | 0.8145 |
| Muscat | Oman | Asia | High LOSI | 65 | 0.5833 | 0.6000 | 0.5333 | 0.2333 | 0.1818 | 0.6000 | Very High OSI | 0.8077 |
| Ljubljana | Slovenia | Europe | High LOSI | 65 | 0.5833 | 0.8000 | 0.2667 | 0.1667 | 0.1818 | 0.6000 | Very High OSI | 0.8640 |
| Panama City | Panama | Americas | High LOSI | 68 | 0.5729 | 0.8000 | 0.8333 | 0.6333 | 0.5455 | 0.6000 | High OSI | 0.6505 |
| Belgrade | Serbia | Europe | High LOSI | 68 | 0.5729 | 1.0000 | 0.9333 | 0.4333 | 0.3636 | 0.8000 | Very High OSI | 0.8540 |
| Mumbai | India | Asia | High LOSI | 70 | 0.5625 | 1.0000 | 0.6333 | 0.5333 | 0.5455 | 0.5000 | Very High OSI | 0.8184 |
| Chisinau (Kishinev) | Republic of Moldova | Europe | High LOSI | 70 | 0.5625 | 0.8000 | 0.6667 | 0.3333 | 0.7273 | 0.6000 | High OSI | 0.7264 |
| Amman | Jordan | Asia | High LOSI | 72 | 0.5417 | 0.8000 | 0.7000 | 0.4000 | 0.3636 | 0.5000 | Very High OSI | 0.7591 |
| Bishkek | Kyrgyzstan | Asia | High LOSI | 72 | 0.5417 | 0.8000 | 0.6667 | 0.3333 | 0.3636 | 0.4000 | High OSI | 0.6072 |
| Santiago | Chile | Americas | High LOSI | 74 | 0.5313 | 0.6000 | 0.6333 | 0.4667 | 0.3636 | 0.4000 | Very High OSI | 0.8612 |

Table 12 (continued)

| City | Country | Region | LOSI Group | Rank | LOSI 2024 | IF | CP | SP | EPI | TEC | OSI Group | OSI 2024 |
|---------------------------|-----------------|----------|-------------|------|-----------|--------|--------|--------|--------|--------|---------------|----------|
| Nicosia | Cyprus | Asia | High LOSI | 74 | 0.5313 | 0.6000 | 0.6333 | 0.2333 | 0.7273 | 0.7000 | Very High OSI | 0.8217 |
| Andorra La Vella | Andorra | Europe | High LOSI | 76 | 0.5208 | 0.8000 | 0.6333 | 0.3000 | 0.3636 | 0.6000 | Middle OSI | 0.4780 |
| Minsk | Belarus | Europe | High LOSI | 76 | 0.5208 | 0.8000 | 0.6000 | 0.2667 | 0.1818 | 0.6000 | High OSI | 0.5760 |
| San Jose | Costa Rica | Americas | High LOSI | 76 | 0.5208 | 0.6000 | 0.6333 | 0.3000 | 0.0000 | 0.4000 | High OSI | 0.7217 |
| Vaduz | Liechtenstein | Europe | High LOSI | 76 | 0.5208 | 0.8000 | 0.5333 | 0.1333 | 0.3636 | 0.5000 | High OSI | 0.7416 |
| Lima | Peru | Americas | High LOSI | 80 | 0.5104 | 0.8000 | 0.3333 | 0.2333 | 0.3636 | 0.5000 | Very High OSI | 0.8377 |
| Thimphu Thromde | Bhutan | Asia | High LOSI | 81 | 0.5 | 0.4000 | 0.4000 | 0.2333 | 0.2727 | 0.6000 | High OSI | 0.5886 |
| Skopje | North Macedonia | Europe | Middle LOSI | 82 | 0.4896 | 0.6000 | 0.4333 | 0.1667 | 0.1818 | 0.5000 | High OSI | 0.6642 |
| Asuncion | Paraguay | Americas | Middle LOSI | 83 | 0.4688 | 0.2000 | 0.2333 | 0.1667 | 0.2727 | 0.5000 | High OSI | 0.6712 |
| Kathmandu | Nepal | Asia | Middle LOSI | 84 | 0.4583 | 1.0000 | 0.8333 | 0.7667 | 0.8182 | 0.7000 | Middle OSI | 0.4481 |
| Podgorica | Montenegro | Europe | Middle LOSI | 85 | 0.4479 | 0.8000 | 0.7333 | 0.7000 | 0.2727 | 0.5000 | High OSI | 0.5214 |
| Cairo | Egypt | Africa | Middle LOSI | 86 | 0.4271 | 0.8000 | 0.5333 | 0.8333 | 0.3636 | 0.5000 | High OSI | 0.7002 |
| Ciudad De Guatemala | Guatemala | Americas | Middle LOSI | 86 | 0.4271 | 0.8000 | 0.7333 | 0.5667 | 0.3636 | 0.5000 | High OSI | 0.6538 |
| Casablanca | Morocco | Africa | Middle LOSI | 86 | 0.4271 | 1.0000 | 0.7667 | 0.2667 | 0.7273 | 0.7000 | High OSI | 0.5618 |
| Tunis | Tunisia | Africa | Middle LOSI | 89 | 0.4167 | 0.6000 | 0.7000 | 0.3000 | 0.5455 | 0.6000 | High OSI | 0.5951 |
| Santa Cruz (de la Sierra) | Bolivia | Americas | Middle LOSI | 90 | 0.4063 | 0.6000 | 0.5000 | 0.3000 | 0.2727 | 0.6000 | High OSI | 0.5987 |
| Dhaka | Bangladesh | Asia | Middle LOSI | 91 | 0.3854 | 0.6000 | 0.3333 | 0.3333 | 0.1818 | 0.5000 | High OSI | 0.7374 |
| Baku | Azerbaijan | Asia | Middle LOSI | 92 | 0.375 | 0.8000 | 0.4000 | 0.1667 | 0.2727 | 0.6000 | High OSI | 0.7386 |
| Havana | Cuba | Americas | Middle LOSI | 92 | 0.375 | 0.4000 | 0.4667 | 0.2667 | 0.0909 | 0.4000 | Low OSI | 0.2298 |
| Male | Maldives | Asia | Middle LOSI | 92 | 0.375 | 0.0000 | 0.0667 | 0.2667 | 0.0000 | 0.4000 | High OSI | 0.6220 |
| Belize City | Belize | Americas | Middle LOSI | 95 | 0.3646 | 0.4000 | 0.8667 | 0.5667 | 0.5455 | 0.6000 | Middle OSI | 0.4054 |
| Tashkent | Uzbekistan | Asia | Middle LOSI | 95 | 0.3646 | 0.6000 | 0.6333 | 0.4667 | 0.1818 | 0.5000 | Very High OSI | 0.7648 |
| Port Louis | Mauritius | Africa | Middle LOSI | 97 | 0.3542 | 0.8000 | 0.4000 | 0.2667 | 0.2727 | 0.6000 | High OSI | 0.5903 |
| Kampala | Uganda | Africa | Middle LOSI | 97 | 0.3542 | 0.6000 | 0.5000 | 0.2667 | 0.0909 | 0.5000 | High OSI | 0.6069 |

Table 12 (continued)

| City | Country | Region | LOSI Group | Rank | LOSI 2024 | IF | CP | SP | EPI | TEC | OSI Group | OSI 2024 |
|---------------|-----------------------------------|----------|-------------|------|-----------|--------|--------|--------|--------|--------|------------|----------|
| Kabul | Afghanistan | Asia | Middle LOSI | 99 | 0.3438 | 0.6000 | 0.4000 | 0.2000 | 0.1818 | 0.6000 | Low OSI | 0.1438 |
| Tehran | Iran (Islamic Republic of) | Asia | Middle LOSI | 99 | 0.3438 | 0.0000 | 0.3667 | 0.2000 | 0.0909 | 0.5000 | Middle OSI | 0.3773 |
| Dar Es Salaam | United Republic of Tanzania | Africa | Middle LOSI | 99 | 0.3438 | 0.4000 | 0.3000 | 0.1333 | 0.0909 | 0.6000 | Middle OSI | 0.4791 |
| Caracas | Venezuela, Bolivarian Republic of | Americas | Middle LOSI | 99 | 0.3438 | 0.4000 | 0.3667 | 0.0667 | 0.1818 | 0.5000 | Middle OSI | 0.3576 |
| Addis Ababa | Ethiopia | Africa | Middle LOSI | 103 | 0.3333 | 0.4000 | 0.2000 | 0.0333 | 0.1818 | 0.4000 | Middle OSI | 0.3420 |
| Abidjan | Côte d'Ivoire | Africa | Middle LOSI | 104 | 0.3229 | 0.6000 | 0.7000 | 0.5667 | 0.4545 | 0.6000 | High OSI | 0.5219 |
| Damascus | Syrian Arab Republic | Asia | Middle LOSI | 104 | 0.3229 | 0.8000 | 0.6667 | 0.2333 | 0.3636 | 0.5000 | Middle OSI | 0.3068 |
| Colombo | Sri Lanka | Asia | Middle LOSI | 106 | 0.3021 | 0.6000 | 0.5667 | 0.2667 | 0.2727 | 0.6000 | High OSI | 0.5494 |
| Suva | Fiji | Oceania | Middle LOSI | 107 | 0.2813 | 0.6000 | 0.3667 | 0.0909 | 0.4000 | 0.4000 | High OSI | 0.5343 |
| Yangon | Myanmar | Asia | Middle LOSI | 107 | 0.2813 | 0.6000 | 0.3333 | 0.2333 | 0.4545 | 0.5000 | Middle OSI | 0.3259 |
| Managua | Nicaragua | Americas | Middle LOSI | 107 | 0.2813 | 0.6000 | 0.4667 | 0.2333 | 0.0909 | 0.5000 | Middle OSI | 0.4493 |
| Honiara | Solomon Islands | Oceania | Middle LOSI | 107 | 0.2813 | 0.6000 | 0.3000 | 0.2667 | 0.1818 | 0.6000 | Middle OSI | 0.4970 |
| Georgetown | Guyana | Americas | Middle LOSI | 111 | 0.2708 | 0.8000 | 0.5667 | 0.0000 | 0.1818 | 0.5000 | Middle OSI | 0.3455 |
| Tegucigalpa | Honduras | Americas | Middle LOSI | 111 | 0.2708 | 0.4000 | 0.5000 | 0.1000 | 0.0000 | 0.6000 | Middle OSI | 0.4587 |
| Kuwait City | Kuwait | Asia | Middle LOSI | 111 | 0.2708 | 0.4000 | 0.3667 | 0.1333 | 0.1818 | 0.5000 | High OSI | 0.6365 |
| Kingston | Jamaica | Americas | Middle LOSI | 114 | 0.2604 | 0.6000 | 0.2667 | 0.1667 | 0.2727 | 0.4000 | High OSI | 0.5677 |
| Montovia | Liberia | Africa | Middle LOSI | 114 | 0.2604 | 0.8000 | 0.3333 | 0.1000 | 0.0909 | 0.4000 | Middle OSI | 0.2633 |
| Sarajevo | Bosnia and Herzegovina | Europe | Middle LOSI | 116 | 0.25 | 0.6000 | 0.2667 | 0.1000 | 0.1818 | 0.5000 | High OSI | 0.5003 |
| Vientiane | Lao People's Democratic Republic | Asia | Middle LOSI | 116 | 0.25 | 0.8000 | 0.4000 | 0.0333 | 0.0000 | 0.4000 | Middle OSI | 0.3265 |
| Windhoek | Namibia | Africa | Middle LOSI | 116 | 0.25 | 0.6000 | 0.2333 | 0.0667 | 0.0909 | 0.7000 | Middle OSI | 0.4996 |
| Karachi | Pakistan | Asia | Middle LOSI | 116 | 0.25 | 0.0000 | 0.4000 | 0.0667 | 0.0909 | 0.4000 | High OSI | 0.7042 |
| Freetown | Sierra Leone | Africa | Middle LOSI | 116 | 0.25 | 0.6000 | 0.1667 | 0.1333 | 0.0909 | 0.4000 | Middle OSI | 0.3823 |
| Dushanbe | Tajikistan | Asia | Middle LOSI | 116 | 0.25 | 0.4000 | 0.2000 | 0.0667 | 0.1818 | 0.5000 | Middle OSI | 0.4476 |
| Yaounde | Cameroon | Africa | Low LOSI | 122 | 0.2396 | 0.4000 | 0.2000 | 0.0000 | 0.0909 | 0.8000 | Middle OSI | 0.3988 |

Table 12 (continued)

| City | Country | Region | LOSI Group | Rank | LOSI 2024 | IF | CP | SP | EPI | TEC | OSI Group | OSI 2024 |
|---------------------|-------------------|----------|------------|------|-----------|--------|--------|--------|--------|--------|------------|----------|
| Brazzaville | Congo | Africa | Low LOSI | 122 | 0.2396 | 0.8000 | 0.1000 | 0.1667 | 0.0909 | 0.3000 | Middle OSI | 0.2760 |
| San Salvador | El Salvador | Americas | Low LOSI | 122 | 0.2396 | 0.6000 | 0.2333 | 0.1667 | 0.2727 | 0.4000 | High OSI | 0.5090 |
| Ashkhabad | Turkmenistan | Asia | Low LOSI | 122 | 0.2396 | 0.4000 | 0.3333 | 0.0667 | 0.2727 | 0.5000 | Middle OSI | 0.2506 |
| Mogadishu | Somalia | Africa | Low LOSI | 126 | 0.2292 | 0.8000 | 0.3667 | 0.0000 | 0.1818 | 0.5000 | Middle OSI | 0.2971 |
| Harare | Zimbabwe | Africa | Low LOSI | 126 | 0.2292 | 0.8000 | 0.3667 | 0.0000 | 0.0909 | 0.6000 | Middle OSI | 0.4100 |
| Kumasi | Ghana | Africa | Low LOSI | 128 | 0.2188 | 0.4000 | 0.3000 | 0.1333 | 0.1818 | 0.4000 | High OSI | 0.6084 |
| Luanda | Angola | Africa | Low LOSI | 129 | 0.2083 | 0.0000 | 0.3333 | 0.1000 | 0.0909 | 0.7000 | Middle OSI | 0.3962 |
| Bamako | Mali | Africa | Low LOSI | 129 | 0.2083 | 0.8000 | 0.3000 | 0.0333 | 0.1818 | 0.5000 | Middle OSI | 0.3334 |
| Maputo | Mozambique | Africa | Low LOSI | 129 | 0.2083 | 0.2000 | 0.3333 | 0.0667 | 0.1818 | 0.5000 | Middle OSI | 0.3959 |
| Lusaka | Zambia | Africa | Low LOSI | 129 | 0.2083 | 0.0000 | 0.4000 | 0.0333 | 0.0909 | 0.4000 | Middle OSI | 0.4958 |
| Cotonou | Benin | Africa | Low LOSI | 133 | 0.1979 | 0.2000 | 0.2000 | 0.0333 | 0.0909 | 0.7000 | High OSI | 0.5202 |
| Bandar Seri Begawan | Brunei Darussalam | Asia | Low LOSI | 133 | 0.1979 | 0.2000 | 0.2333 | 0.0333 | 0.0000 | 0.4000 | High OSI | 0.5802 |
| Praia | Cabo Verde | Africa | Low LOSI | 133 | 0.1979 | 0.2000 | 0.2333 | 0.0000 | 0.0909 | 0.4000 | High OSI | 0.6892 |
| Phnom Penh | Cambodia | Asia | Low LOSI | 136 | 0.1875 | 0.2000 | 0.1333 | 0.0333 | 0.0000 | 0.5000 | Middle OSI | 0.4503 |
| Mbabane | Eswatini | Africa | Low LOSI | 136 | 0.1875 | 0.0000 | 0.1000 | 0.0333 | 0.0909 | 0.5000 | Middle OSI | 0.4557 |
| Lilongwe | Malawi | Africa | Low LOSI | 138 | 0.1771 | 0.6000 | 0.4333 | 0.0667 | 0.2727 | 0.5000 | Middle OSI | 0.4625 |
| Port Moresby | Papua New Guinea | Oceania | Low LOSI | 138 | 0.1771 | 0.6000 | 0.3333 | 0.1667 | 0.0909 | 0.5000 | Middle OSI | 0.3392 |
| Antananarivo | Madagascar | Africa | Low LOSI | 140 | 0.1667 | 0.2000 | 0.4333 | 0.0333 | 0.0909 | 0.4000 | Middle OSI | 0.4045 |
| Ouagadougou | Burkina Faso | Africa | Low LOSI | 141 | 0.1563 | 0.2000 | 0.3333 | 0.0000 | 0.1818 | 0.4000 | Middle OSI | 0.3376 |
| Libreville | Gabon | Africa | Low LOSI | 141 | 0.1563 | 0.0000 | 0.2667 | 0.1000 | 0.0909 | 0.4000 | Middle OSI | 0.3187 |
| Baghdad | Iraq | Asia | Low LOSI | 141 | 0.1563 | 0.2000 | 0.3333 | 0.0000 | 0.0909 | 0.4000 | Low OSI | 0.1875 |
| Algiers | Algeria | Africa | Low LOSI | 144 | 0.1354 | 0.2000 | 0.2000 | 0.1333 | 0.0000 | 0.4000 | Middle OSI | 0.3320 |
| Bijumbura | Burundi | Africa | Low LOSI | 144 | 0.1354 | 0.6000 | 0.2667 | 0.0000 | 0.0000 | 0.3000 | Middle OSI | 0.3146 |
| Conakry | Guinea | Africa | Low LOSI | 144 | 0.1354 | 0.2000 | 0.2333 | 0.0333 | 0.0000 | 0.3000 | Middle OSI | 0.4808 |
| Dakar | Senegal | Africa | Low LOSI | 144 | 0.1354 | 0.2000 | 0.2000 | 0.0000 | 0.0000 | 0.5000 | Middle OSI | 0.4779 |

Table 12 (continued)

| City | Country | Region | LOSI Group | Rank | LOSI 2024 | IF | CP | SP | EPI | TEC | OSI Group | OSI 2024 |
|----------------|---------------------------------------|----------|--------------|------|-----------|--------|--------|--------|--------|--------|------------|----------|
| Banjul | Gambia | Africa | Low LOSI | 148 | 0.125 | 0.0000 | 0.1333 | 0.0000 | 0.4000 | 0.0000 | Low OSI | 0.0955 |
| Victoria | Seychelles | Africa | Low LOSI | 149 | 0.0938 | 0.0000 | 0.1333 | 0.0000 | 0.4000 | 0.0000 | Middle OSI | 0.4638 |
| Port Vila | Vanuatu | Oceania | Low LOSI | 149 | 0.0938 | 0.0000 | 0.0333 | 0.0000 | 0.2000 | 0.0000 | Middle OSI | 0.4769 |
| Port-Of-Spain | Trinidad and Tobago | Americas | Low LOSI | 151 | 0.0417 | 0.2000 | 0.2667 | 0.0333 | 0.0000 | 0.3000 | High OSI | 0.5999 |
| St. John | Antigua and Barbuda | Americas | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Low OSI | 0.2067 |
| Nassau | Bahamas | Americas | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Middle OSI | 0.4166 |
| Bridgetown | Barbados | Americas | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | High OSI | 0.5402 |
| Gaborone | Botswana | Africa | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Middle OSI | 0.4976 |
| Bangui | Central African Republic | Africa | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Middle OSI | 0.3985 |
| N'Djamena | Chad | Africa | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Low OSI | 0.1128 |
| Moroni | Comoros | Africa | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Middle OSI | 0.2674 |
| Pyongyang | Democratic People's Republic of Korea | Asia | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Low OSI | 0.0230 |
| Kinshasa | Democratic Republic of the Congo | Africa | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Low OSI | 0.0291 |
| Djibouti | Djibouti | Africa | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Low OSI | 0.2092 |
| Roseau | Dominica | Americas | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Middle OSI | 0.3798 |
| Bata | Equatorial Guinea | Africa | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Low OSI | 0.1932 |
| Asmara | Eritrea | Africa | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Low OSI | 0.0000 |
| St. George's | Grenada | Americas | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | High OSI | 0.5056 |
| Bissau | Guinea-Bissau | Africa | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Low OSI | 0.1270 |
| Port-Au-Prince | Haiti | Americas | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Low OSI | 0.1379 |
| South Tarawa | Kiribati | Oceania | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Middle OSI | 0.3904 |
| Beirut | Lebanon | Asia | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Middle OSI | 0.4489 |
| Maseru | Lesotho | Africa | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Middle OSI | 0.2864 |

Table 12 (continued)

| City | Country | Region | LOSI Group | Rank | LOSI 2024 | IF | CP | SP | EPI | TEC | OSI Group | OSI 2024 |
|----------------------------------|----------------------------------|----------|--------------|------|-----------|--------|--------|--------|--------|--------|---------------|----------|
| Tripoli | Libya | Africa | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Low OSI | 0.0808 |
| St. Paul's Bay/San Pawl il-Banar | Malta | Europe | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Very High OSI | 0.8749 |
| Majuro | Marshall Islands | Oceania | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Middle OSI | 0.3586 |
| Nouakchott | Mauritania | Africa | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Low OSI | 0.1688 |
| Palikir | Micronesia (Federated States of) | Oceania | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Middle OSI | 0.2621 |
| Yaren | Nauru | Oceania | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Low OSI | 0.2439 |
| Niamey | Niger | Africa | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Middle OSI | 0.3084 |
| Lagos | Nigeria | Africa | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | High OSI | 0.5372 |
| Koror | Palau | Oceania | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Middle OSI | 0.2787 |
| Basseterre | Saint Kitts and Nevis | Americas | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Middle OSI | 0.3039 |
| Castries | Saint Lucia | Americas | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Middle OSI | 0.3229 |
| Kingstown | Saint Vincent and the Grenadines | Americas | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Middle OSI | 0.3906 |
| Apia | Samoa | Oceania | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Middle OSI | 0.3638 |
| San Marino | San Marino | Europe | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Middle OSI | 0.3575 |
| Sao Tome | Sao Tome and Principe | Africa | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Low OSI | 0.2156 |
| Juba | South Sudan | Africa | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Low OSI | 0.1504 |
| Khartoum | Sudan | Africa | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Low OSI | 0.1293 |
| Paramaribo | Suriname | Americas | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Middle OSI | 0.4814 |
| Dili | Timor-Leste | Asia | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Middle OSI | 0.3406 |
| Lome | Togo | Africa | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Middle OSI | 0.4472 |
| Nuku'Alofa | Tonga | Oceania | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Middle OSI | 0.3220 |
| Funafuti | Tuvalu | Oceania | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Low OSI | 0.1944 |
| Sana'a | Yemen | Asia | Not Assessed | 152 | 0 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | 0.0000 | Low OSI | 0.1377 |

Table 13 Local Online Service Index (OSI) Features accessed in E-government Survey 2024

| Subindex | Features |
|------------------------------|--|
| Institutional Framework | Municipal portal Municipal e-government strategy Organization structure Names and contacts of heads of department Rights to access government information Privacy policy Open data policy Links for government agencies Portal authentication. |
| Content Provision | Foreign language support Municipality information Alerts for weather and natural disasters Procurement announcements Procurement results Information about provided services Services in partnership with civil society Facilitation of free internet access Health information Environmental information Education information Social welfare information Sports and culture information Information for vulnerable groups Justice information Labor information Evidence of smart cities initiatives Evidence of emerging technologies use Statistical data and studies Public transportation information Evidence of mobile phone apps Waste and recycling information Road safety information MGP usage statistics COVID-19 information. |
| Services Provision | Police online declaration Online driver's license Online building permit Online environment related permit Online business license Online residence registration Online birth certificate Online marriage certificate Address change notification Online land title registration Online vehicle registration e-Procurement service Online vacancies Online fees payment Water payment Electricity/gas payment. |
| Participation and Engagement | Municipality responsiveness emails Quality of email response Budget-related information Open data provision Open data metadata Report of any form of discrimination Real time communication Feedback/complaint submission Online deliberation processes Social networking features Reporting of incidents in public spaces Participatory budgeting Participatory land use plan Announcement of upcoming e-participation activities Feedback about consultation processes e-Voting Information on the public meetings of the municipal council. |
| Technology | Contact details Browser compatibility Ease of portal finding Mobile device accessibility Navigability Internal search mechanism Internal advanced search mechanism Alignment with markup validation standards Alignment with display standards Alignment with accessibility standards Online user support Information on online services use Evidence of portal content update Personal data accessibility Personal data updating Business data accessibility Business data updating Helpdesk call number. |
| E-Government Literacy | Internal search mechanism Facilitation of free Internet access Access to physical spaces Privacy policy Open data metadata Online user support Information on online services use Portal authentication Live chat support with a person Social networking features |

13. Past editions of the United Nations E-Government Survey

Table 14 Past editions of the United Nations E-Government Survey

| Survey editor | Survey theme and thematic areas | Trends and developments |
|--|---|---|
| 2001 Benchmarking E-Government: A Global Perspective – Assessing the Progress of the UN Member States | <p>Assessing the global e-government landscape</p> <ul style="list-style-type: none"> • Benchmarking e-government • Public administration and e-government | The approach of benchmarking e-government using the theoretical framework of activity theory as a unified model was first discussed. The publication addressed the need to establish e-government benchmarks and introduced a survey methodology based on the assessment of online government portals. The first composite benchmarking tool was referred to as the e-Government Index. ^a |
| 2003 UN Global E-Government Survey 2003: E-Government at the Crossroads | <p>The e-government imperative</p> <ul style="list-style-type: none"> • The e-government imperative • Benchmarking e-government • The extent of e-participation • The promise of the (digital) future | The Survey methodology used for the 2001 edition was substantively and quantitatively strengthened to produce the e-Government Readiness Index (eGRI). The publication also introduced and elaborated on the concept of e-participation, with a comparative assessment of the ability and willingness of Governments to engage the public online. The methodology for benchmarking and assessing relative e-government readiness was updated to include an appraisal of how Governments delivered online services relating to specific sectors (labour, social welfare, finance, health and education). ^b |
| 2004 United Nations Global E-Government Readiness Report 2004: Towards Access for Opportunity | <p>The emerging access-for-opportunity framework</p> <ul style="list-style-type: none"> • Access for acceleration model • Taxonomy of countries according to the access-acceleration model • Worldwide disparities in achieving access | The report delved into the “access-opportunity divide”, examining the wide disparities in e-government readiness between developed and developing countries. It was argued that a realistic approach to “access for opportunity” required more than just technology; countries needed to meet thresholds across multiple dimensions, including government leadership, digital literacy, and providing an enabling environment conducive to development. It was observed that the digital government leaders (as reflected in the E-Government Readiness Index) were countries that had developed integrated portals providing one-stop access to information and services. ^c |

Table 14 (continued)

| Survey editor | Survey theme and thematic areas | Trends and developments |
|---------------|--|--|
| 2005 | United Nations Global E-Government Readiness Report 2005: From E-Government to E-Inclusion  | <p>The report identified access and inclusion as priorities. Many developing countries were focusing primarily on connectivity, but there was an identified need to broaden their approach to ensure that e-services were reaching all segments of the population. The report emphasized that a strong political commitment, a clear vision, and realistic objectives were critical success factors for e-government advancement. It was acknowledged that e-participation features were expanding but were largely limited to developed and high-income countries. Limited infrastructure, a lack of skilled personnel, and competing development priorities – all deriving from serious resource constraints – remained a major barrier to e-government development for developing countries.^d</p> |
| 2008 | United Nations E-Government Survey 2008: From E-Government to Connected Governance  | <p>It was determined that the emphasis on capturing countries' "readiness" for e-government did not adequately reflect the need for concrete action, so the focus of the Survey shifted to assessing actual development.</p> <p>The report examined how e-government had evolved beyond the general aims of efficacy and cost reduction to focus on people-centric outcomes and impacts and on institutional transformation through digitization and digitalization. It was emphasized that successful e-government required integrating back-end systems and processes across agencies rather than simply putting services online using siloed applications. Connected governance would offer seamless, people-centred services delivery but would require adequate infrastructure investment to ensure comprehensive integration. E-participation tools, including online consultation and feedback mechanisms, were recognized as important for increasing public engagement. Mobile and Web 2.0 technologies offered new opportunities for Governments to interact with and provide services to the public. While these options held promise for increased engagement, most countries had not yet created an appropriate ecosystem for robust e-participation.^e</p> |

Table 14 (continued)

| Survey editor | Survey theme and thematic areas | Trends and developments |
|---|---|--|
| 2010 United Nations E-Government Survey 2010: Leveraging E-Government at a Time of Financial and Economic Crisis | <p>Thematic areas:</p> <ul style="list-style-type: none"> • The role of e-government in financial regulation and monitoring • E-services delivery and the Millennium Development Goals • Citizen empowerment and inclusion | <p>The report was published during the financial and economic crisis, and the focus was on how e-government could help countries respond effectively to emerging challenges during that period. Suggested strategies included improving government transparency, enhancing public sector efficiency, strengthening services provision, and expanding e-participation and engagement. Even with limited resources and facing various constraints, Governments could achieve significant transparency and accountability gains through low-cost e-government solutions such as crisis response websites and open data initiatives. Expanding online access to critical public services in areas such as education, health care and employment during times of economic strain or uncertainty could help countries stay on track in pursuing their development goals. A section on participatory e-government tools demonstrated how citizens could provide input on policies and priorities, increasing public buy-in and improving outcomes at little cost.^f</p> |
| 2012 | United Nations E-Government Survey 2012: E-Government for the People | <p>The report explored how the world was moving away from isolated silos towards more integrated, collaborative approaches to government administration and public services delivery. The “whole-of-government” approach would make public services more personalized and accessible and easier to navigate. Coherent policy approaches and cohesive institutional mechanisms – enabled by technology – could contribute to the achievement of long-term development goals and strengthen government legitimacy. It was emphasized that the whole-of-government approach was essential for inclusive, people-centred sustainable development, as agencies could work together more effectively to serve all segments of the population and promote dialogue and engagement. Conversely, the absence of coordination across government could undermine progress – especially in low-income countries, where it could negatively affect the delivery of social services, security, economic management, and political processes.^g</p> |

Table 14 (continued)

| Survey edition | Survey theme and thematic areas | Trends and developments |
|---|---|---|
| 2014 United Nations E-Government Survey 2014: E-Government for the Future We Want | <p>Thematic areas:</p> <ul style="list-style-type: none"> • E-participation • Whole-of-government and collaborative governance • Mobile and other channels for inclusive multichannel services delivery • Bridging the digital divide | <p>The report was published when the United Nations was discussing the development agenda that would succeed the Millennium Development Goals once the latter concluded in 2015. While e-government was continuing to advance globally, there were still wide disparities between countries and regions. All 193 Member States were operating national portals, but for the majority, e-government was still at a low or intermediate level of development. The focus in digital government was moving away from mere services delivery towards adding public value through inclusive, participatory governance. Increased attention was being given to e-participation, open government data (OGD), multichannel services delivery, and whole-of-government approaches to create more people-centred, transparent and accountable governance. Mobile technology and social media were emerging as important new channels for e-government, especially in developing countries, though Internet access and broadband connectivity remained limited in many of those countries. Addressing infrastructure gaps and developing human capacity were crucial for leveraging e-government to realize development goals.^h</p> |
| 2016 E-Government for Sustainable Development | <p>Thematic areas:</p> <ul style="list-style-type: none"> • Policy integration • Enhancing transparency through Open Government Data • Enhancing engagement through e-participation | <p>For the 2016 edition of the Survey, a theme was chosen that aligned with the 2030 Agenda for Sustainable Development adopted by world leaders the previous year. The report focused on the role of e-government in achieving the SDGs and how e-government could enhance the efficiency, transparency and accountability of public institutions. The report explored how Governments could leverage technology to improve services delivery, engage people in decision-making processes, and ensure that no one was left behind. There was further elaboration of whole-of-government approaches, with emphasis on the integration of e-services across different agencies to provide users with a seamless and holistic e-government experience. OGD was identified as key to government transparency, accountability and innovation. OGD initiatives could drive progress towards the SDGs by making data available for public scrutiny, fostering innovation, and facilitating evidence-based policymaking. The Survey indicated that many countries, including those in the lower-middle-income group, were making significant strides in e-participation. Globally, countries were continuing to make progress in e-government development, but with the persistent digital divide, many were still unable to access and benefit from information and communications technology (ICT). The report called for greater efforts to increase access to high-speed broadband, enhance digital literacy, and pursue inclusive policies.ⁱ</p> |

Table 14 (continued)

| Survey edition | Survey theme and thematic areas | Trends and developments |
|--|--|---|
| 2018 United Nations E-Government Survey 2018: Gearing E-Government to Support Transformation towards Sustainable and Resilient Societies | <p>Thematic areas:</p> <ul style="list-style-type: none"> • Building resilient, sustainable societies • Leaving no one behind • E-resilience (disaster risk management) • Cybersecurity • Emerging technologies in e-government | <p>The report identified e-government as a transformative catalyst in achieving the SDGs. It provided evidence of a global trend towards higher levels of e-government development, highlighting significant improvements in online services delivery and OGD. However, it also noted the persistence of e-government and broader digital divides, particularly in low-income countries, and called for continued investment in human capital and infrastructure development to accelerate progress. An important focal point of the report was addressing digital divides to ensure that no one was left behind, especially in Africa, least developed countries, and small island developing States. The report highlighted the need for tailored capacity-building programmes and policies to bridge these gaps and promote digital inclusion. Another focal point of the report was e-resilience, with particular attention given to disaster risk management and how digital technologies were increasingly being used to organize and manage emergency responses and recovery from crises. It was noted that resilience in e-government systems required public trust, robust cybersecurity measures (including the integration of security mechanisms from the design phase), the adoption of harmonized laws governing cybercrime, and assurances that data and privacy would be protected. For the first time, the Survey assessed 40 municipalities, introducing the Local Online Services Index (LOSI), and the Open Government Data Index (OGDI) was piloted as well.^j</p> |
| 2020 United Nations E-Government Survey 2020: Digital Government in the Decade of Action for Sustainable Development | <p>Thematic areas:</p> <ul style="list-style-type: none"> • E-participation • Data-centric and digital data governance • Capacities for digital government transformation • The role of e-government during the COVID-19 pandemic (addendum) | <p>The theme “Digital Government in the Decade of Action for Sustainable Development” was selected for the 2020 Survey to acknowledge the time remaining for the implementation of the 2030 Agenda. The report noted that there had been a significant global increase in e-government development, even among some countries with limited resources, such as least developed countries, landlocked developing countries and small island developing States. The report emphasized the growing importance of e-participation and acknowledged that many Governments were offering a range of opportunities for public engagement beyond the provision of information. The report also mentioned that there had been a paradigm shift towards data-centric policymaking and stressed the need for effective national data governance frameworks. The Survey included an addendum highlighting how the handling of the COVID-19 pandemic had underscored the critical role of e-government in crisis management. During the pandemic, Governments with robust digital infrastructures were able to provide timely information, manage misinformation, and offer essential services online. The fact that many vulnerable populations lacked access to digital services during the health crisis underscored the need for inclusive digital strategies. In this edition of the Survey, rating classes (quartile subgroups) were introduced for each EGDI level, and the LOSI assessment was expanded to include 100 municipalities.^k</p> |

Table 14 (continued)

| Survey edition | Survey theme and thematic areas | Trends and developments |
|---|---|---|
|  | <p>2022 United Nations E-Government Survey 2022: The Future of Digital Government</p> <p>Thematic areas:</p> <ul style="list-style-type: none"> • Leaving no one behind in the hybrid digital society • The future of digital government: trends, insights and conclusion | <p>The report focused on the future of digital government, calling for e-government leaders to increase investment in national digital transformation and adopt innovative e-government frameworks to support sustainable development and prepare for future global crises. As evident both during and after the COVID-19 pandemic, digital government tools were key to effective emergency response and recovery. Global EGDI values showed improvement, but there remained persistent digital divides within and between countries and regions. Special emphasis was given to leaving no one behind in the hybrid digital world, and Governments were called upon to ensure inclusion by design and accessibility for all, especially vulnerable groups, through targeted policies and the effective leveraging of data, design and delivery to address gaps in access, affordability and digital skills. For the first time, the Survey conducted LOSI assessments for the most populous city in each of the 193 Member States.¹</p> |

^a Ibid.

^b UN DESA and Civic Resource Group, *UN Global E-Government Survey 2003* (New York, 2004), available at <https://publicadministration.un.org/egovkb/en-us/Reports/UN-E-Government-Survey-2003>.

^c UN DESA, *UN Global E-Government Readiness Report 2004: Towards Access for Opportunity* (New York, 2004), available at <https://desapublications.un.org/publications/un-global-e-government-readiness-report-2004>.

^d UN DESA, *United Nations Global E-Government Readiness Report 2005: From E-Government to E-Inclusion* (New York, 2006), available at <https://publicadministration.un.org/egovkb/en-us/Reports/UN-E-Government-Survey-2008>.

^e UN DESA, *United Nations e-Government Survey 2008: From e-Government to Connected Governance* (New York, 2008), available at <https://publicadministration.un.org/egovkb/en-us/Reports/UN-E-Government-Survey-2008>.

^f UN DESA, *United Nations E-Government Survey 2010: Leveraging E-Government at a Time of Financial and Economic Crisis* (New York, 2010), available at <https://publicadministration.un.org/egovkb/portals/egovkb/documents/un/2010-survey/complete-survey.pdf>.

^g UN DESA, *United Nations E-Government Survey 2012: E-Government for the People* (New York, 2012), available at <https://publicadministration.un.org/egovkb/en-us/Reports/UN-E-Government-Survey-2012>.

^h UN DESA, *United Nations E-Government Survey 2014: E-Government for the Future We Want* (New York, 2014), available at <https://publicadministration.un.org/egovkb/en-us/Reports/UN-E-Government-Survey-2014>.

ⁱ UN DESA, *United Nations E-Government Survey 2016: E-Government in Support of Sustainable Development* (New York, 2016), available at <https://publicadministration.un.org/egovkb/en-us/Reports/UN-E-Government-Survey-2016>.

^j UN DESA, *United Nations E-Government Survey 2018: Gearing E-Government to Support Transformation towards Sustainable and Resilient Societies* (New York, 2018), available at <https://publicadministration.un.org/egovkb/en-us/Reports/UN-E-Government-Survey-2018>.

^k UN DESA, *United Nations E-Government Survey 2020: Digital Government in the Decade of Action for Sustainable Development, with Addendum on COVID-19 Response* (New York, 2020), available at <https://publicadministration.un.org/egovkb/en-us/Reports/UN-E-Government-Survey-2020>.

^l UN DESA, *United Nations E-Government Survey 2022: The Future of Digital Government* (New York 2022), available at <https://desapublications.un.org/sites/default/files/publications/2022-09/Web%20Version%20E-Government%202022.pdf>.

14. Pilot research projects

14.1 Open Government Data Index

The Open Government Data Index (OGDI) has become an increasingly important assessment tool in recent years. A growing number of countries are taking a transformative approach to governance, enhancing transparency, accountability, and value creation by making government data accessible to all. By opening their data sets, public institutions can strengthen trust in government while simultaneously fostering innovation and economic growth. This paradigm shift encourages the use, reuse, and free distribution of government data, facilitating the development of citizen-centric services and creating opportunities for business and entrepreneurship. Such openness fundamentally changes how Governments interact with their constituents, with the power of data harnessed to drive positive change and create a more open, collaborative, and responsive public sector.

In acknowledgement of the critical role of open government data and the importance of measuring progress in this area, the E-Government Survey continues to include the OGDI as a supplementary indicator within the OSI. First introduced in the 2020 Survey, the OGDI is based on an assessment of the national portals of Member States. The computation methodology employed for the last two Surveys has been used for the 2024 edition, ensuring consistency in evaluation. The number of questions used to calculate the OGDI remains at 26 (unchanged from the 2022 survey), preserving the integrity and comparability of data across Survey periods. This detailed assessment underscores the ongoing commitment of the United Nations to monitoring, evaluating and promoting open data practices in e-government development.

While a binary system is used for the responses to most of the 26 questions included in the OGDI assessment, some responses, particularly those related to the availability of specific types of open data, are assessed using a more detailed scoring system. For the latter, a score of 0 indicates the absence of a feature, while scores of 1 and 2 represent different levels of feature implementation. For instance, a score of 1 might denote data availability in any format, whereas a score of 2 would indicate availability in an open standard format such as eXtensible Markup Language (XML). Following the computation method used for the OSI, the composite OGDI score for each Member State is normalized to a range of 0 to 1 using a standardized formula. This methodology ensures the accurate tracking and comprehensive evaluation of open data practices across Member States.

The OGDI remains structured around three key pillars: policy, platform, and impact. The Index continues to use the weighted sum method for aggregating the assessed areas across these pillars. The 2024 Survey has applied the weighting criteria established for the 2020 pilot study, including (a) the relative weight for each pillar and (b) the relative number of assessed areas and questions for each pillar, including those introduced in recent surveys.

The 2024 OGDI retains the 2022 OGDI (adjusted) weight for each pillar: 30 per cent for policy, 50 per cent for platform/use, and 20 per cent for impact. The calculation method remains unchanged, with the OGDI computed as the weighted average of the normalized scores for each Member State. The OGDI level grouping system introduced in 2022, which aligns with EGDI levelling, has also been used for the 2024 Survey. The division of groups into four equal quarters (0 – 0.25 – 0.50 – 0.75 – 1.00) represents a refinement from the 2020 pilot study's 0 – 0.4 – 0.8 – 1.0 demarcations. By preserving these methodological elements, the 2024 Survey ensures OGDI continuity and comparability with previous assessments while also maintaining alignment with the broader EGDI framework.

Table 15 Open Government Data Index (OGDI)

| Country | OGDI Group | OGDI 2024 |
|--------------------------|----------------|-----------|
| Afghanistan | Low OGDI | 0.1282 |
| Albania | High OGDI | 0.7436 |
| Algeria | Low OGDI | 0.1026 |
| Andorra | High OGDI | 0.7436 |
| Angola | Low OGDI | 0.1795 |
| Antigua and Barbuda | High OGDI | 0.5641 |
| Argentina | Very High OGDI | 0.7692 |
| Armenia | Very High OGDI | 0.8462 |
| Australia | Very High OGDI | 0.8462 |
| Austria | Very High OGDI | 0.8974 |
| Azerbaijan | High OGDI | 0.7179 |
| Bahamas | Middle OGDI | 0.4103 |
| Bahrain | Very High OGDI | 0.9231 |
| Bangladesh | High OGDI | 0.7179 |
| Barbados | Middle OGDI | 0.359 |
| Belarus | High OGDI | 0.5385 |
| Belgium | Very High OGDI | 0.8462 |
| Belize | Middle OGDI | 0.2821 |
| Benin | Middle OGDI | 0.4872 |
| Bhutan | High OGDI | 0.5385 |
| Bolivia | High OGDI | 0.641 |
| Bosnia and Herzegovina | High OGDI | 0.641 |
| Botswana | Middle OGDI | 0.4615 |
| Brazil | Very High OGDI | 0.9744 |
| Brunei Darussalam | High OGDI | 0.6154 |
| Bulgaria | High OGDI | 0.7436 |
| Burkina Faso | Middle OGDI | 0.3333 |
| Burundi | Low OGDI | 0.2308 |
| Cabo Verde | Very High OGDI | 0.8462 |
| Cambodia | Middle OGDI | 0.4615 |
| Cameroon | High OGDI | 0.6667 |
| Canada | Very High OGDI | 1 |
| Central African Republic | Low OGDI | 0.0256 |
| Chad | Middle OGDI | 0.4615 |
| Chile | Very High OGDI | 0.9487 |
| China | Very High OGDI | 0.9231 |
| Colombia | Very High OGDI | 0.9487 |
| Comoros | Low OGDI | 0 |
| Congo | Low OGDI | 0.0769 |
| Costa Rica | Very High OGDI | 0.7949 |
| Côte d'Ivoire | High OGDI | 0.5641 |
| Croatia | Very High OGDI | 0.9231 |
| Cuba | Low OGDI | 0.1026 |
| Cyprus | Very High OGDI | 0.9487 |

Table 15 (continued)

| Country | OGDI Group | OGDI 2024 |
|---------------------------------------|----------------|-----------|
| Czech Republic | Very High OGDI | 0.8205 |
| Democratic People's Republic of Korea | Low OGDI | 0 |
| Democratic Republic of the Congo | Middle OGDI | 0.3077 |
| Denmark | Very High OGDI | 0.9744 |
| Djibouti | Low OGDI | 0.1026 |
| Dominica | Middle OGDI | 0.3846 |
| Dominican Republic | Very High OGDI | 0.8718 |
| Ecuador | Very High OGDI | 0.8462 |
| Egypt | High OGDI | 0.6154 |
| El Salvador | Middle OGDI | 0.4872 |
| Equatorial Guinea | Middle OGDI | 0.3077 |
| Eritrea | Low OGDI | 0 |
| Estonia | Very High OGDI | 1 |
| Eswatini | High OGDI | 0.5641 |
| Ethiopia | Middle OGDI | 0.359 |
| Fiji | High OGDI | 0.5128 |
| Finland | Very High OGDI | 0.9231 |
| France | Very High OGDI | 0.9744 |
| Gabon | Low OGDI | 0.1282 |
| Gambia | Middle OGDI | 0.3077 |
| Georgia | Very High OGDI | 0.8205 |
| Germany | Very High OGDI | 1 |
| Ghana | Very High OGDI | 0.8205 |
| Greece | High OGDI | 0.5897 |
| Grenada | Low OGDI | 0.2051 |
| Guatemala | Very High OGDI | 0.8205 |
| Guinea | Very High OGDI | 0.8205 |
| Guinea-Bissau | Middle OGDI | 0.2821 |
| Guyana | Low OGDI | 0.2308 |
| Haiti | Low OGDI | 0.0513 |
| Honduras | Middle OGDI | 0.3333 |
| Hungary | Very High OGDI | 0.8974 |
| Iceland | Very High OGDI | 0.9487 |
| India | Very High OGDI | 1 |
| Indonesia | Very High OGDI | 0.8718 |
| Iran (Islamic Republic of) | Middle OGDI | 0.3333 |
| Iraq | Low OGDI | 0 |
| Ireland | Very High OGDI | 0.9487 |
| Israel | Very High OGDI | 0.8462 |
| Italy | Very High OGDI | 0.8205 |
| Jamaica | High OGDI | 0.5641 |
| Japan | Very High OGDI | 1 |
| Jordan | Very High OGDI | 0.8205 |
| Kazakhstan | Very High OGDI | 0.9231 |

Table 15 *(continued)*

| Country | OGDI Group | OGDI 2024 |
|----------------------------------|----------------|-----------|
| Kenya | High OGDI | 0.5897 |
| Kiribati | Middle OGDI | 0.4103 |
| Kuwait | Middle OGDI | 0.3846 |
| Kyrgyzstan | High OGDI | 0.5385 |
| Lao People's Democratic Republic | Middle OGDI | 0.3333 |
| Latvia | Very High OGDI | 0.9744 |
| Lebanon | High OGDI | 0.6923 |
| Lesotho | Middle OGDI | 0.3333 |
| Liberia | Low OGDI | 0.1795 |
| Libya | Low OGDI | 0.0769 |
| Liechtenstein | Very High OGDI | 0.8718 |
| Lithuania | Very High OGDI | 0.9487 |
| Luxembourg | Very High OGDI | 0.7949 |
| Madagascar | Middle OGDI | 0.359 |
| Malawi | High OGDI | 0.6667 |
| Malaysia | Very High OGDI | 0.8205 |
| Maldives | High OGDI | 0.5641 |
| Mali | Middle OGDI | 0.3333 |
| Malta | Very High OGDI | 0.8205 |
| Marshall Islands | Middle OGDI | 0.3077 |
| Mauritania | Middle OGDI | 0.2821 |
| Mauritius | High OGDI | 0.6923 |
| Mexico | Very High OGDI | 0.9231 |
| Micronesia (Federated States of) | Low OGDI | 0.2051 |
| Monaco | Low OGDI | 0.2051 |
| Mongolia | Very High OGDI | 0.9231 |
| Montenegro | High OGDI | 0.5385 |
| Morocco | High OGDI | 0.5128 |
| Mozambique | Middle OGDI | 0.3077 |
| Myanmar | Low OGDI | 0.2308 |
| Namibia | Middle OGDI | 0.3077 |
| Nauru | Middle OGDI | 0.3333 |
| Nepal | Middle OGDI | 0.2821 |
| Netherlands | Very High OGDI | 0.9744 |
| New Zealand | Very High OGDI | 0.9231 |
| Nicaragua | Middle OGDI | 0.2821 |
| Niger | Middle OGDI | 0.2821 |
| Nigeria | High OGDI | 0.5128 |
| North Macedonia | High OGDI | 0.7179 |
| Norway | Very High OGDI | 0.8205 |
| Oman | Very High OGDI | 0.7692 |
| Pakistan | High OGDI | 0.641 |
| Palau | Middle OGDI | 0.359 |
| Panama | High OGDI | 0.7436 |

Table 15 (continued)

| Country | OGDI Group | OGDI 2024 |
|----------------------------------|----------------|-----------|
| Papua New Guinea | Middle OGDI | 0.3077 |
| Paraguay | Very High OGDI | 0.8462 |
| Peru | Very High OGDI | 1 |
| Philippines | Very High OGDI | 0.8205 |
| Poland | Very High OGDI | 0.8718 |
| Portugal | Very High OGDI | 0.8205 |
| Qatar | High OGDI | 0.7436 |
| Republic of Korea | Very High OGDI | 0.9487 |
| Republic of Moldova | Very High OGDI | 0.8205 |
| Romania | Very High OGDI | 0.8205 |
| Russian Federation | Very High OGDI | 0.7949 |
| Rwanda | Very High OGDI | 0.7949 |
| Saint Kitts and Nevis | Low OGDI | 0.2308 |
| Saint Lucia | Low OGDI | 0.1026 |
| Saint Vincent and the Grenadines | High OGDI | 0.5641 |
| Samoa | Middle OGDI | 0.4359 |
| San Marino | Low OGDI | 0.1026 |
| Sao Tome and Principe | Low OGDI | 0.1795 |
| Saudi Arabia | Very High OGDI | 1 |
| Senegal | High OGDI | 0.641 |
| Serbia | Very High OGDI | 0.9231 |
| Seychelles | Low OGDI | 0.2308 |
| Sierra Leone | Middle OGDI | 0.4872 |
| Singapore | Very High OGDI | 1 |
| Slovakia | Very High OGDI | 0.8718 |
| Slovenia | Very High OGDI | 0.8718 |
| Solomon Islands | High OGDI | 0.5897 |
| Somalia | Middle OGDI | 0.359 |
| South Africa | Very High OGDI | 0.8205 |
| South Sudan | Low OGDI | 0.1026 |
| Spain | Very High OGDI | 1 |
| Sri Lanka | High OGDI | 0.6154 |
| Sudan | Low OGDI | 0.0513 |
| Suriname | Middle OGDI | 0.3333 |
| Sweden | Very High OGDI | 1 |
| Switzerland | Very High OGDI | 1 |
| Syrian Arab Republic | Low OGDI | 0.1026 |
| Tajikistan | Middle OGDI | 0.4359 |
| Thailand | Very High OGDI | 0.8974 |
| Timor-Leste | Middle OGDI | 0.4872 |
| Togo | Middle OGDI | 0.4359 |
| Tonga | Middle OGDI | 0.4359 |
| Trinidad and Tobago | Middle OGDI | 0.3846 |
| Tunisia | High OGDI | 0.7179 |

Table 15 *(continued)*

| Country | OGDI Group | OGDI 2024 |
|--|----------------|-----------|
| Türkiye | Very High OGDI | 1 |
| Turkmenistan | Low OGDI | 0.0769 |
| Tuvalu | Low OGDI | 0.1538 |
| Uganda | High OGDI | 0.7436 |
| Ukraine | Very High OGDI | 1 |
| United Arab Emirates | Very High OGDI | 0.9744 |
| United Kingdom of Great Britain and Northern Ireland | Very High OGDI | 0.9231 |
| United Republic of Tanzania | Middle OGDI | 0.3846 |
| United States of America | Very High OGDI | 0.8974 |
| Uruguay | Very High OGDI | 0.9744 |
| Uzbekistan | Very High OGDI | 0.9744 |
| Vanuatu | High OGDI | 0.5385 |
| Venezuela | Middle OGDI | 0.4359 |
| Viet Nam | High OGDI | 0.7436 |
| Yemen | Middle OGDI | 0.3077 |
| Zambia | High OGDI | 0.641 |
| Zimbabwe | Middle OGDI | 0.3846 |

14.2 Complex Network Analysis

In 2022, UN DESA, in collaboration with the Department of physics of the university of Bari (IT)¹ conducted a first pilot study using the science of complex systems to expand the analysis of factors affecting countries' e-government development beyond income level and test a complex network analysis model to address possible inequalities and biases adherent to rankings and find as yet unidentified similarities and differences between the Member States. More detailed information on the study and its findings is available on <https://publicadministration.un.org/egovkb>.

Identifying external biases that affect assessment of the digital development performance of countries is a complicated task, since classifications based on proxy parameters are subject to discretion and are not always able to capture the interrelationships between different countries. With due consideration given to the complexity of these connections, a model of a digital government ecosystem was created as a network in which countries represent nodes, with similarities in their development indicators determining the strength of the links between the nodes.

The data set used for the 2022 analysis, intended to help identify hidden similarities and differences between the countries, consisted of 305 World Development Indicators (WDIs) relating to health, economy, society and environment and 214 SDG indicators characterizing the general development level of each Member State. The results of 2022 analysis was presented in the 2022 edition of the E-Government Survey.² Base of the positive feedback and recommendations provided by experts and member states the study was repeated in 2024 redesigning the clusters using only data from the Sustainable Development Goals (SDGs) dataset, updated to 2022.

The original datasets included 3542 indicators from the SDGs.³ However, some of them were not available for all member states. When the value of a given indicator was not available for a given country for the year 2022, it was decided to fill in this value with the corresponding one from 2021; if this value was also empty, the corresponding value from 2020 was considered. If the fill-in still failed also in this case, it was decided to avoid using data from years prior to 2020 to ensure that

the data remains as up-to-date as possible. The number of missing entries is subjected not only to variability in time, but also to large fluctuations among countries, since the indicator measurement process is not equally viable throughout the world. The diversified availability of SDGs should not be considered as a limitation to this study, but it should be seen as a guideline for the choice of the indicators, with the aim of combining the needs for data recentness and availability.

A three-step indicator selection process was implemented, following the criteria of data availability, consistency, and non-redundant information.

A subset of indicators was extracted from 2021 and 2022 datasets by considering only those that had non-null values in at least 70% of the 193 MS.

indicators expressed in Local Currency Units were excluded since they could not be compared directly for different states.

Pearson correlations were computed between the available values for each pair of residual indicators. If the correlation value was greater than 0.98, and if it was statistically significant, the indicator with more available values in the pair was retained.

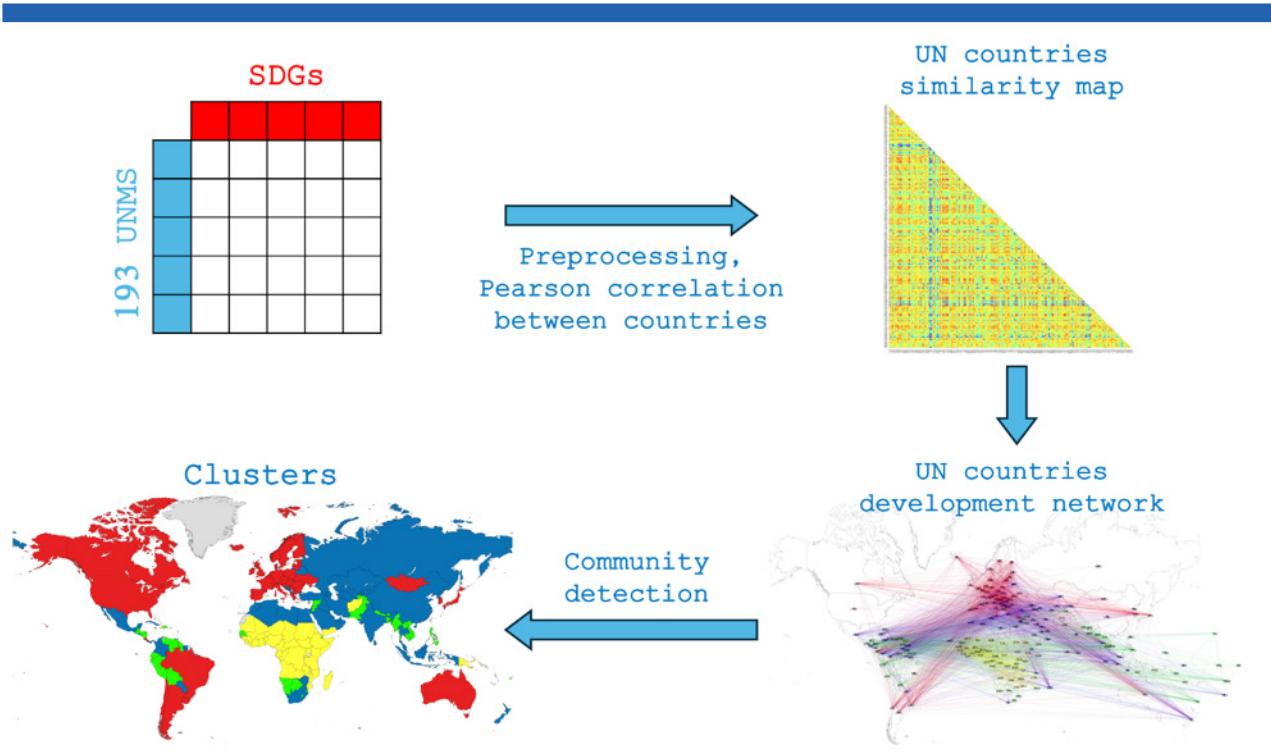
These three steps reduced the total number of SDGs indicators from 3542 to 278. These indicators are listed respectively in Table 16. At the end of this procedure, each of the 193 MS was characterized by 278 values, corresponding to the values of selected indicators for that country. It is worth specifying that some of the indicators included in the model could be interpreted as disaggregated sub-indexes referred to a single main index. In this selection procedure, sub-indicators referred to the same context should not be considered as redundant, since their mutual Pearson correlation was lower than the threshold value of 0.98, as they were available for different sets of countries.

After the data cleaning and indicator selection processes, the complex network building process was implemented as presented in the methodological workflow (figure 7).

Firstly, 278 selected indicators were re-scaled between 0 and 1. This is a standard procedure that allows for the unification of different indicator scales and eliminates potential distortions in the data.

Pearson correlations were computed between each pair of countries. These correlations provided the basis from which the complex network was built. The complex network has 193 nodes, representing MS. The nodes are linked by edges, weighted by the pairwise correlations. Thus, weight values, ranging between -1 and 1, quantify the similarity between connected countries. Two examples of weight values are the following. Italy has a strong correlation with Spain (0.88). The cell corresponding to the Portugal row and the Italy column is therefore colored red; China has a negative correlation with the Central African Republic (-0.20). The cell corresponding to the China row and the Central African Republic column is colored violet. In this way, the complete network was built it has $(193 \times 192)/2 = 18528$ links.

Figure 7 Scheme representing the workflow of the complex network analysis, and map representing grouping of countries into four development clusters



Source: Complex Network Analysis Pilot Study for the 2024 United Nations E-Government Survey.

The identification of clusters has been carried out by means of an algorithm based on the so-called spin glasses^{4,5,6}. The same methodologies developed in 2022⁷ were implemented also for this work. The Spin Glass algorithm performed a hierarchical cluster detection by recursive partitioning.^{8,9}

The algorithm has been implemented using a Python library called igraph¹⁰. With the objective of obtaining stable and reliable clusters, the following criterion was adopted: the complex network was partitioned in 100 different runs by the chosen algorithm, each time with a different random seed.

In this way, the algorithm produced 100 outcomes. Each outcome corresponded to a given partition: if an outcome was obtained in more than 90 runs, it was accepted and the procedure moved on to the next step; otherwise, the iteration stopped, and the partition found at the previous level was returned as the result.

This method was implemented to partition opportunely the MS, on the basis of the complex network built from the dataset consisting of the 278 selected indicators.

The method returned 4 non-overlapping clusters with a strong characterization in terms of development status. The overall stability of cluster detection procedure used in the UN DESA pilot study corroborates the reliability and consistency of the findings on countries' development levels.

Box 4 Distribution of 2024 E-government Development Index (EGDI) in 2022 clusters

The clusters are composed as follows:

Cluster I: Albania, Argentina, Australia, Austria, Belgium, Brazil, Bulgaria, Canada, Chile, Costa Rica, Croatia, Cyprus, Czech Republic, Denmark, Estonia, Finland, France, Germany, Greece, Hungary, Iceland, Ireland, Italy, Japan, Republic of Korea, Latvia, Lithuania, Luxembourg, Malta, Moldova, Mongolia, Netherlands, Norway, Poland, Portugal, Romania, Serbia, Slovak Republic, Slovenia, Spain, Sweden, Switzerland, Ukraine, United Kingdom, United States, Uruguay.

Cluster II: Algeria, Andorra, Armenia, Azerbaijan, Bahrain, Barbados, Belarus, Bosnia and Herzegovina, Brunei Darussalam, Cabo Verde, China, Colombia, Cuba, Egypt, El Salvador, Georgia, India, Indonesia, Iran, Iraq, Israel, Jamaica, Kazakhstan, Democratic People's Republic of Korea, Kuwait, Kyrgyz Republic, Libya, Liechtenstein, Malaysia, Maldives, Mauritius, Mexico, Monaco, Montenegro, Morocco, Nauru, New Zealand, North Macedonia, Oman, Palau, Panama, Paraguay, Qatar, Russian Federation, San Marino, Saudi Arabia, Seychelles, Singapore, South Africa, Sri Lanka, St. Kitts and Nevis, Suriname, Thailand, Tonga, Trinidad and Tobago, Tunisia, Türkiye, Turkmenistan, United Arab Emirates, Uzbekistan, Zimbabwe.

Cluster III: Antigua and Barbuda, Bahamas, Bangladesh, Belize, Bhutan, Bolivia, Botswana, Cambodia, Djibouti, Dominica, Dominican Republic, Ecuador, Eswatini, Fiji, Grenada, Guatemala, Guyana, Honduras, Jordan, Kiribati, Laos, Lebanon, Lesotho, Marshall Islands, Federated States of Micronesia, Myanmar, Namibia, Nepal, Nicaragua, Pakistan, Peru, Philippines, Samoa, Senegal, Solomon Islands, St. Lucia, St. Vincent and the Grenadines, Syrian Arab Republic, Tajikistan, Timor-Leste, Tuvalu, Vanuatu, Venezuela, Vietnam.

Cluster IV: Afghanistan, Angola, Benin, Burkina Faso, Burundi, Cameroon, Central African Republic, Chad, Comoros, Congo, Democratic Republic of Congo, Republic of Congo, Cote d'Ivoire, Equatorial Guinea, Eritrea, Ethiopia, Gabon, Gambia, Ghana, Guinea, Guinea-Bissau, Haiti, Kenya, Liberia, Madagascar, Malawi, Mali, Mauritania, Mozambique, Niger, Nigeria, Papua New Guinea, Rwanda, Sao Tome and Principe, Sierra Leone, Somalia, South Sudan, Sudan, Tanzania, Togo, Uganda, Yemen, Zambia.

Grouping the countries into four development clusters using complex network analysis enables a reinterpretation of the levels of e-government development of the UN Member States and their EGDI ranking considering their starting conditions, as well as their mutual similarities and differences.

By comparing the 2024 EGDI values both within the same cluster, and between different clusters it is possible to identify top-of-the-class countries, whose performance goes beyond the expectations based on their development status, and room-for-improvement countries, that have the potential to reach their cluster peers in the EGDI ranking by increasing their efforts. For top-of-the-class countries their EGDI values are above the 75th percentile of the cluster they belong to, and, at the same time, they are above the 25th percentile of at least one development cluster above. By the same token, for room-for-improvement countries the EGDI values are below the 25th percentile of the cluster they belong to and, at the same time, are below the 75th percentile of at least one developed cluster below.

The study also identified the benchmark countries, regarded as the best cases compared to the rest of the world, and trailing countries, which would need specific support to improve their condition in areas relevant for EDGI ranking. Benchmark countries are characterized by EGDI values above the 75th percentile of the distribution within cluster I, while trailing countries have EGDI values falling below the 25th percentile of the distribution within cluster IV.

This advanced approach has a dual advantage over traditional statistical methods: first, the similarities between countries are determined by more than 270 SDGs indicators, providing a multifaceted representation of sustainable development in the clusters to which these countries are referred; second, the tool of network cluster detection offers a data-driven way to categorize different development ecosystems in which e-government development (expressed in EGDI values) can be interpreted and assessed.

Considering the case of clusters obtained from 2022 SDGs updated data and EGDI from 2024, the performances of MS are summarized:

• **Cluster I (median: 0.882).**

- **Benchmark:** Denmark, Estonia, Republic of Korea, Iceland, United Kingdom of Great Britain and Northern Ireland, Australia, Finland, Netherlands, Germany, Japan, Sweden, Norway, Spain.
- **Room-for-improvement:** Brazil (*), Italy (*), Czech Republic (*), Bulgaria (*), Belgium (*), Hungary (*), Slovak Republic (*), Costa Rica (*), Albania (*), Moldova (*), Romania (*).

• **Cluster II (median: 0.721).**

- **Top-of-the-class:** Singapore (↑), Saudi Arabia (↑), United Arab Emirates (↑), New Zealand (↑), Bahrain (↑), Israel (↑), Kazakhstan (↑), Türkiye (↑), China (↑), South Africa (↑), Oman (↑), Russian Federation (↑), Liechtenstein (↑), Armenia (↑), Thailand (↑).
- **Room-for-improvement:** Suriname (*), Bosnia and Herzegovina (*), St. Kitts and Nevis (*), Cabo Verde (*), El Salvador (*), Algeria (*), Libya (*), Tonga (*), Palau (*), Cuba (*), Turkmenistan (*), Iraq (*), Zimbabwe (*), Nauru (*), Democratic People's Republic of Korea (**).

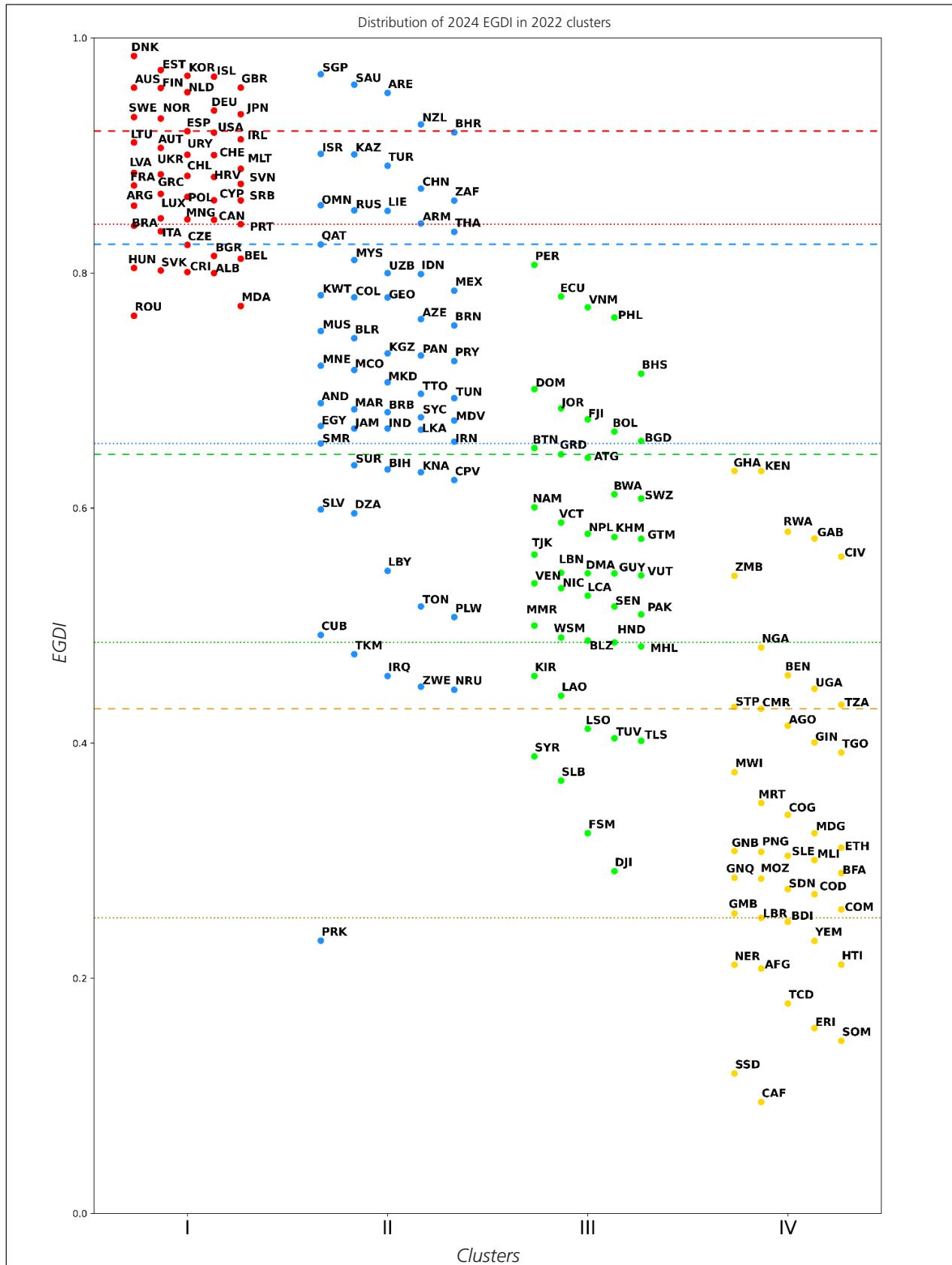
• **Cluster III (median: 0.545).**

- **Top-of-the-class:** Peru (↑), Ecuador (↑), Vietnam (↑), Philippines (↑), Bahamas (↑), Dominican Republic (↑), Jordan (↑), Fiji (↑), Bolivia (↑), Bangladesh (↑), Bhutan (↑).
- **Room-for-improvement:** Marshall Islands (*), Kiribati (*), Laos (*), Lesotho (*), Tuvalu (*), Timor-Leste (*), Syrian Arab Republic (*), Solomon Islands (*), Federated States of Micronesia (*), Djibouti (*).

• **Cluster IV (median: 0.310).**

- **Top-of-the-class:** Ghana (↑), Kenya (↑), Rwanda (↑), Gabon (↑), Cote d'Ivoire (↑), Zambia (↑), Nigeria (↑), Benin (↑), Uganda (↑), Tanzania (↑), Sao Tome and Principe (↑).
- **Trailing:** Burundi, Yemen, Haiti, Niger, Afghanistan, Chad, Eritrea, Somalia, South Sudan, Central African Republic.

Figure 8 The list of countries grouped by development clusters according to the 2024 EGDI study



Note: The internationally recognized three-letter country codes.

Endnotes

- 1 <https://www.uniba.it/it/ricerca/dipartimenti/fisica>
- 2 UN E-Government Survey 2022, 12th edition. (2022)
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14.3 Complex network analysis: additional information

The tables below report the list of the 278 Sustainable Development Goals used to build the UNMS similarity network (Table 16), and, for each UN country, the most and least similar country in terms of Pearson correlation in the complex network, along with the average correlation with other countries (Table 17).

Table 16 List of the 278 selected Sustainable Development Goals used to build the Member States similarity network

| Sustainable Development Goals indicators. |
|--|
| Above-ground biomass in forest (tonnes per hectare) G A T_PER_HA C |
| Age-standardized prevalence of current tobacco use among persons aged 15 years and older, by sex (%) BOTHSEX G PERCENT 15+ E |
| Age-standardized prevalence of current tobacco use among persons aged 15 years and older, by sex (%) FEMALE G PERCENT 15+ E |
| Age-standardized prevalence of current tobacco use among persons aged 15 years and older, by sex (%) MALE G PERCENT 15+ E |
| Agriculture orientation index for government expenditures G A INDEX C |
| Agriculture share of Government Expenditure (%) G A PERCENT C |
| Agriculture value added share of GDP (%) G A PERCENT C |
| Annual GDP growth (%) G PERCENT G |
| Annual broad money growth (%) G PERCENT G |
| Annual forest area change rate (%) G A PERCENT C |
| Annual growth of exports of goods and services (%) G PERCENT G |
| Annual growth of households and NPISHs final consumption expenditure (%) G PERCENT G |
| Annual growth of imports of goods and services (%) G PERCENT G |
| Annual growth of the general government final consumption expenditure (%) G PERCENT G |
| Annual growth of the gross capital formation (%) G PERCENT G |
| Annual growth rate of real GDP per capita (%) G A PERCENT CA |
| Annual growth rate of real GDP per employed person (%) G A PERCENT 15+ M |

Table 16 (continued)

| Sustainable Development Goals indicators. |
|--|
| Annual inflation, consumer prices (%) G PERCENT G |
| Average proportion of Freshwater Key Biodiversity Areas (KBAs) covered by protected areas (%) G A PERCENT C |
| Average proportion of Marine Key Biodiversity Areas (KBAs) covered by protected areas (%) G A PERCENT C |
| Average proportion of Mountain Key Biodiversity Areas (KBAs) covered by protected areas (%) G A PERCENT C |
| Average proportion of Terrestrial Key Biodiversity Areas (KBAs) covered by protected areas (%) G A PERCENT C |
| Average tariff applied by developed countries, most-favored nation status, by type of product (%) G AGR PERCENT C |
| Average tariff applied by developed countries, most-favored nation status, by type of product (%) G ALP PERCENT C |
| Average tariff applied by developed countries, most-favored nation status, by type of product (%) G CLO PERCENT C |
| Average tariff applied by developed countries, most-favored nation status, by type of product (%) G IND PERCENT C |
| Average tariff applied by developed countries, most-favored nation status, by type of product (%) G TEX PERCENT C |
| Average tariff applied by developed countries, preferential status, by type of product (%) G AGR PERCENT C |
| Average tariff applied by developed countries, preferential status, by type of product (%) G ALP PERCENT C |
| Average tariff applied by developed countries, preferential status, by type of product (%) G CLO PERCENT C |
| Average tariff applied by developed countries, preferential status, by type of product (%) G IND PERCENT C |
| Average tariff applied by developed countries, preferential status, by type of product (%) G TEX PERCENT C |
| Beach litter originating from national land-based sources that ends in the beach (%) G A PERCENT M |
| Beach litter originating from national land-based sources that ends in the ocean (%) G A PERCENT M |
| Beach litter originating from national land-based sources that ends in the ocean (Tonnes) G A TONNES M |
| Carbon dioxide emissions from fuel combustion (millions of tonnes) G TONNES_M TOTAL E |
| Carbon dioxide emissions per unit of GDP PPP (kilogrammes of CO2 per constant 2017 United States dollars) G KG_PER_CON_USD E |
| Carbon dioxide emissions per unit of manufacturing value added (kilogrammes of CO2 per constant 2015 United States dollars) G A KG_PER_CON_USD ISIC4_C E |
| Children moderately or severely overweight (thousands) G A NUM_TH <5Y M |
| Children moderately or severely stunted (thousands) G A NUM_TH <5Y M |
| Chlorophyll-a anomaly, remote sensing (%) G D PERCENT Extreme E |
| Chlorophyll-a anomaly, remote sensing (%) G D PERCENT High E |
| Chlorophyll-a anomaly, remote sensing (%) G D PERCENT Moderate E |
| Chlorophyll-a deviations, remote sensing (%) G A PERCENT E |
| Countries that are contracting Parties to the International Treaty on Plant Genetic Resources for Food and Agriculture (PGRFA) (1 = YES; 0 = NO) G NUMBER C |
| Countries that are parties to the Nagoya Protocol (1 = YES; 0 = NO) G NUMBER C |
| Countries that established national targets in accordance with Aichi Biodiversity Target 2 of the Strategic Plan for Biodiversity 2011-2020 in their National Biodiversity Strategy and Action Plans (1 = YES; 0 = NO) G A NUMBER _T C |
| Countries that have legislative, administrative and policy framework or measures reported through the Online Reporting System on Compliance of the International Treaty on Plant Genetic Resources for Food and Agriculture (PGRFA) (1 = YES; 0 = NO) G NUMBER C |
| Countries that have legislative, administrative and policy framework or measures reported to the Access and Benefit-Sharing Clearing-House (1 = YES; 0 = NO) G NUMBER C |
| Countries that have national urban policies or regional development plans that respond to population dynamics; ensure balanced territorial development; and increase local fiscal space (1 = YES; 0 = NO) G NUMBER C |
| Countries with an allocation from the national budget to manage the threat of invasive alien species (1 = YES, 0 = NO) G BOOL N |
| Countries with birth registration data that are at least 90 percent complete (1 = YES; 0 = NO) G NUMBER C |
| Countries with death registration data that are at least 75 percent complete (1 = YES; 0 = NO) G NUMBER C |

Table 16 *(continued)*

| Sustainable Development Goals indicators. | |
|--|--|
| Countries with national statistical legislation exists that complies with the Fundamental Principles of Official Statistics (1 = YES; 0 = NO) G NUMBER G | |
| Countries with national statistical plans that are fully funded (1 = YES; 0 = NO) G NUMBER G | |
| Countries with national statistical plans that are under implementation (1 = YES; 0 = NO) G NUMBER G | |
| Current account balance as a proportion of GDP (%) G PERCENT G | |
| Current number of seats in national parliaments (number) BOTHSEX G NUMBER C | |
| DEC alternative conversion factor (in local currency unit per United States dollar) G Ratio G | |
| Data Infrastructure performance index (Statistical Performance Indicators Pillar 5) (Index) G INDEX G | |
| Data Sources performance index (Statistical Performance Indicators Pillar 4) (Index) G INDEX G | |
| Degree of integrated water resources management implementation (%) G A PERCENT _T C | |
| Degree of integrated water resources management implementation, enabling environment (%) G A PERCENT _T C | |
| Degree of integrated water resources management implementation, financing (%) G A PERCENT _T C | |
| Degree of integrated water resources management implementation, institutions and participation (%) G A PERCENT _T C | |
| Degree of integrated water resources management implementation, management instruments (%) G A PERCENT _T C | |
| Developing countries' and least developed countries' share of global merchandise exports (%) G A PERCENT CA | |
| Developing countries' and least developed countries' share of global merchandise imports (%) G A PERCENT CA | |
| Developing countries' and least developed countries' share of global services exports (%) G A PERCENT CA | |
| Developing countries' and least developed countries' share of global services imports (%) G A PERCENT CA | |
| Dollar value of all resources made available to strengthen statistical capacity in developing countries (current United States dollars) G CU_USD G | |
| Domestic material consumption per capita, by type of raw material (tonnes) G ALP A TONNES E | |
| Domestic material consumption per capita, by type of raw material (tonnes) G BIM A TONNES E | |
| Domestic material consumption per capita, by type of raw material (tonnes) G CPR A TONNES E | |
| Domestic material consumption per capita, by type of raw material (tonnes) G CRO A TONNES E | |
| Domestic material consumption per capita, by type of raw material (tonnes) G FEO A TONNES E | |
| Domestic material consumption per capita, by type of raw material (tonnes) G GBO A TONNES E | |
| Domestic material consumption per capita, by type of raw material (tonnes) G NFO A TONNES E | |
| Domestic material consumption per capita, by type of raw material (tonnes) G NMA A TONNES E | |
| Domestic material consumption per capita, by type of raw material (tonnes) G NMC A TONNES E | |
| Domestic material consumption per capita, by type of raw material (tonnes) G NMM A TONNES E | |
| Domestic material consumption per capita, by type of raw material (tonnes) G WCH A TONNES E | |
| Domestic material consumption per capita, by type of raw material (tonnes) G WOD A TONNES E | |
| Domestic material consumption per unit of GDP, by type of raw material (kilograms per constant 2015 United States dollars) G ALP A KG_PER_CON_USD E | |
| Domestic material consumption per unit of GDP, by type of raw material (kilograms per constant 2015 United States dollars) G BIM A KG_PER_CON_USD E | |
| Domestic material consumption per unit of GDP, by type of raw material (kilograms per constant 2015 United States dollars) G CPR A KG_PER_CON_USD E | |
| Domestic material consumption per unit of GDP, by type of raw material (kilograms per constant 2015 United States dollars) G CRO A KG_PER_CON_USD E | |
| Domestic material consumption per unit of GDP, by type of raw material (kilograms per constant 2015 United States dollars) G FEO A KG_PER_CON_USD E | |
| Domestic material consumption per unit of GDP, by type of raw material (kilograms per constant 2015 United States dollars) G GBO A KG_PER_CON_USD E | |
| Domestic material consumption per unit of GDP, by type of raw material (kilograms per constant 2015 United States dollars) G NFO A KG_PER_CON_USD E | |

Table 16 (continued)

| Sustainable Development Goals indicators. |
|--|
| Domestic material consumption per unit of GDP, by type of raw material (kilograms per constant 2015 United States dollars) G NMA A KG_PER_CON_USD E |
| Domestic material consumption per unit of GDP, by type of raw material (kilograms per constant 2015 United States dollars) G NMC A KG_PER_CON_USD E |
| Domestic material consumption per unit of GDP, by type of raw material (kilograms per constant 2015 United States dollars) G NMM A KG_PER_CON_USD E |
| Domestic material consumption per unit of GDP, by type of raw material (kilograms per constant 2015 United States dollars) G WCH A KG_PER_CON_USD E |
| Domestic material consumption per unit of GDP, by type of raw material (kilograms per constant 2015 United States dollars) G WOD A KG_PER_CON_USD E |
| Domestic material consumption, by type of raw material (tonnes) G BIM A TONNES E |
| Domestic material consumption, by type of raw material (tonnes) G FEO A TONNES E |
| Domestic material consumption, by type of raw material (tonnes) G GBO A TONNES E |
| Domestic material consumption, by type of raw material (tonnes) G MEO A TONNES E |
| Domestic material consumption, by type of raw material (tonnes) G NFO A TONNES C |
| Domestic material consumption, by type of raw material (tonnes) G NMA A TONNES E |
| Domestic material consumption, by type of raw material (tonnes) G WCH A TONNES E |
| Domestic material consumption, by type of raw material (tonnes) G WOD A TONNES E |
| Energy intensity level of primary energy (megajoules per constant 2017 purchasing power parity GDP) G MJ_PER_GDP_CON_PPP_USD E |
| Existence of a developed and operationalized national strategy for youth employment, as a distinct strategy or as part of a national employment strategy G A SCORE G |
| Exported beach litter originating from national land-based sources (Tonnes) G A TONNES M |
| Fixed broadband subscriptions per 100 inhabitants, by speed (per 100 inhabitants) 256KT2MBPS G PER_100_POP E |
| Fixed broadband subscriptions per 100 inhabitants, by speed (per 100 inhabitants) 2MT10MBPS G PER_100_POP E |
| Fixed broadband subscriptions per 100 inhabitants, by speed (per 100 inhabitants) ANYS G PER_100_POP E |
| Food waste (Tonnes) HHS G A TONNES E |
| Food waste (Tonnes) OOHC G A TONNES E |
| Food waste (Tonnes) RTL G A TONNES E |
| Food waste per capita (KG) ALL G A KG E |
| Food waste per capita (KG) HHS G A KG E |
| Food waste per capita (KG) OOHC G A KG E |
| Food waste per capita (KG) RTL G A KG E |
| Foreign direct investment (FDI) inflows (millions of United States dollars) G CU_USD_M C |
| Foreign direct investment, net inflows, as a proportion of GDP (%) G PERCENT G |
| Forest area (thousands of hectares) G A HA_TH C |
| Forest area as a proportion of total land area (%) G A PERCENT C |
| Forest area certified under an independently verified certification scheme (thousands of hectares) G A HA_TH C |
| Fossil-fuel subsidies (consumption and production) (billions of nominal United States dollars) G A CU_USD_B E |
| Fossil-fuel subsidies (consumption and production) as a proportion of total GDP (%) G A PERCENT E |
| Fossil-fuel subsidies (consumption and production) per capita (nominal United States dollars) G A CU_USD E |
| Freight volume, by mode of transport (tonne kilometres) AIR G T_KM C |
| Gross receipts by developing countries of official sustainable development grants (millions of United States dollars) G CU_USD_M G |
| Health worker density, by type of occupation (per 10,000 population) G PHYS PER_10000_POP C |

Table 16 *(continued)*

| Sustainable Development Goals indicators. |
|--|
| Implementation of standard accounting tools to monitor the economic and environmental aspects of tourism (SEEA tables) G NUMBER C |
| Implementation of standard accounting tools to monitor the economic and environmental aspects of tourism (Tourism Satellite Account tables) G NUMBER C |
| Implementation of standard accounting tools to monitor the economic and environmental aspects of tourism (number of tables) G NUMBER C |
| Indicator of Food Price Anomalies (IFPA), by Consumer Food Price Index G A INDEX G |
| Installed renewable electricity-generating capacity (watts per capita) G W_PER_CAPITA E |
| International Health Regulations (IHR) capacity, by type of IHR capacity (%) G PERCENT C SPAR01 |
| International Health Regulations (IHR) capacity, by type of IHR capacity (%) G PERCENT C SPAR02 |
| International Health Regulations (IHR) capacity, by type of IHR capacity (%) G PERCENT C SPAR03 |
| International Health Regulations (IHR) capacity, by type of IHR capacity (%) G PERCENT C SPAR04 |
| International Health Regulations (IHR) capacity, by type of IHR capacity (%) G PERCENT C SPAR05 |
| International Health Regulations (IHR) capacity, by type of IHR capacity (%) G PERCENT C SPAR06 |
| International Health Regulations (IHR) capacity, by type of IHR capacity (%) G PERCENT C SPAR07 |
| International Health Regulations (IHR) capacity, by type of IHR capacity (%) G PERCENT C SPAR08 |
| International Health Regulations (IHR) capacity, by type of IHR capacity (%) G PERCENT C SPAR09 |
| International Health Regulations (IHR) capacity, by type of IHR capacity (%) G PERCENT C SPAR10 |
| International Health Regulations (IHR) capacity, by type of IHR capacity (%) G PERCENT C SPAR11 |
| International Health Regulations (IHR) capacity, by type of IHR capacity (%) G PERCENT C SPAR12 |
| International Health Regulations (IHR) capacity, by type of IHR capacity (%) G PERCENT C SPAR13 |
| International Health Regulations (IHR) capacity, by type of IHR capacity (%) G PERCENT C SPAR2-C01 |
| International Health Regulations (IHR) capacity, by type of IHR capacity (%) G PERCENT C SPAR2-C02 |
| International Health Regulations (IHR) capacity, by type of IHR capacity (%) G PERCENT C SPAR2-C03 |
| International Health Regulations (IHR) capacity, by type of IHR capacity (%) G PERCENT C SPAR2-C04 |
| International Health Regulations (IHR) capacity, by type of IHR capacity (%) G PERCENT C SPAR2-C05 |
| International Health Regulations (IHR) capacity, by type of IHR capacity (%) G PERCENT C SPAR2-C06 |
| International Health Regulations (IHR) capacity, by type of IHR capacity (%) G PERCENT C SPAR2-C07 |
| International Health Regulations (IHR) capacity, by type of IHR capacity (%) G PERCENT C SPAR2-C08 |
| International Health Regulations (IHR) capacity, by type of IHR capacity (%) G PERCENT C SPAR2-C09 |
| International Health Regulations (IHR) capacity, by type of IHR capacity (%) G PERCENT C SPAR2-C10 |
| International Health Regulations (IHR) capacity, by type of IHR capacity (%) G PERCENT C SPAR2-C11 |
| International Health Regulations (IHR) capacity, by type of IHR capacity (%) G PERCENT C SPAR2-C12 |
| International Health Regulations (IHR) capacity, by type of IHR capacity (%) G PERCENT C SPAR2-C13 |
| International Health Regulations (IHR) capacity, by type of IHR capacity (%) G PERCENT C SPAR2-C14 |
| International Health Regulations (IHR) capacity, by type of IHR capacity (%) G PERCENT C SPAR2-C15 |
| International financial flows to developing countries in support of clean energy research and development and renewable energy production, including in hybrid systems (millions of constant 2021 United States dollars) G CON_USD_M E |
| Lakes and rivers permanent water area (% of total land area) G A PERCENT E |
| Lakes and rivers permanent water area (square kilometres) G A KMSQ E |
| Lakes and rivers permanent water area change (%) G B PERCENT E |
| Lakes and rivers seasonal water area (% of total land area) G A PERCENT E |
| Lakes and rivers seasonal water area (square kilometres) G A KMSQ E |
| Lakes and rivers seasonal water area change (%) G B PERCENT E |

Table 16 (continued)

| Sustainable Development Goals indicators. |
|--|
| Legislation, Regulation, Act related to the prevention of introduction and management of Invasive Alien Species (1 = YES, 0 = NO) G BOOL N |
| Level of national compliance with labour rights (freedom of association and collective bargaining) based on International Labour Organization (ILO) textual sources and national legislation G E SCORE G |
| Level of water stress: freshwater withdrawal as a proportion of available freshwater resources (%) G A PERCENT INDUSTRIES G |
| Level of water stress: freshwater withdrawal as a proportion of available freshwater resources (%) G A PERCENT ISIC4_GTT G |
| Level of water stress: freshwater withdrawal as a proportion of available freshwater resources (%) G A PERCENT TOTAL G |
| Manufacturing value added (constant 2015 United States dollars) as a proportion of GDP (%) G A PERCENT ISIC4_C CA |
| Manufacturing value added (current United States dollars) as a proportion of GDP (%) G A PERCENT ISIC4_C CA |
| Manufacturing value added per capita (constant 2015 United States dollars) G A CON_USD ISIC4_C CA |
| Maternal mortality ratio FEMALE G PER_100000_LIVE_BIRTHS E |
| Merchandise trade as a proportion of GDP (%) G PERCENT G |
| National Biodiversity Strategy and Action Plan (NBSAP) targets alignment to Aichi Biodiversity target 9 set out in the Strategic Plan for Biodiversity 2011-2020 (1 = YES, 0 = NO) G BOOL N |
| Neonatal deaths (number) BOTHSEX G NUMBER <1M E |
| Neonatal mortality rate (deaths per 1,000 live births) BOTHSEX G PER_1000_LIVE_BIRTHS <1M E |
| Non-performing loans net of provisions to capital (%) G A PERCENT C |
| Non-performing loans to total gross loans (%) G A PERCENT C |
| Number of automated teller machines (ATMs) per 100,000 adults G A PER_100000_POP 15+ C |
| Number of commercial bank branches per 100,000 adults G A PER_100000_POP 15+ C |
| Number of fixed broadband subscriptions, by speed (number) 256KT2MBPS G NUMBER C |
| Number of fixed broadband subscriptions, by speed (number) 2MT10MBPS G NUMBER C |
| Number of fixed broadband subscriptions, by speed (number) ANYS G NUMBER C |
| Number of local breeds kept in the country G E NUMBER E |
| Number of local breeds with unknown risk status (number) G E NUMBER E |
| Number of people requiring interventions against neglected tropical diseases (number) G NUMBER CA |
| Number of refugees per 100,000 population, by country of origin (per 100,000 population) G PER_100000_POP C |
| Number of seats held by women in national parliaments (number) FEMALE G NUMBER C |
| Number of speakers in parliament, by age and sex , Lower Chamber or Unicameral MALE G NUMBER 46+ C |
| Number of transboundary breeds (including extinct ones) G E NUMBER E |
| Number of youth in parliament (age 45 or below), Lower Chamber or Unicameral (Number) G NUMBER <=45Y C |
| Open Data Inventory (ODIN) Coverage Index G INDEX E |
| Parties meeting their commitments and obligations in transmitting information as required by Basel Convention on hazardous waste, and other chemicals (%) G PERCENT C |
| Parties meeting their commitments and obligations in transmitting information as required by Rotterdam Convention on hazardous waste, and other chemicals (%) G PERCENT C |
| Parties meeting their commitments and obligations in transmitting information as required by Stockholm Convention on hazardous waste, and other chemicals (%) G PERCENT C |
| Passenger volume (passenger kilometres), by mode of transport AIR G P_KM C |
| Population in moderate or severe food insecurity (thousands of people) MALE G A NUM_TH 15+ G |
| Population in severe food insecurity (thousands of people) FEMALE G A NUM_TH 15+ G |

Table 16 *(continued)*

| Sustainable Development Goals indicators. |
|---|
| Population in severe food insecurity (thousands of people) MALE G A NUM_TH 15+ G |
| Portfolio investment, net (Balance of Payments, current United States dollars) G CU_USD G |
| Prevalence of moderate or severe food insecurity in the population (%) MALE ALLAREA G A PERCENT 15+ G |
| Prevalence of severe food insecurity in the population (%) MALE ALLAREA G A PERCENT 15+ G |
| Prevalence of undernourishment (%) G E PERCENT E |
| Proportion of children moderately or severely overweight (%) G A PER_POP_U5 <5Y M |
| Proportion of children moderately or severely stunted (%) G A PER_POP_U5 <5Y M |
| Proportion of domestic budget funded by domestic taxes (%) G A PERCENT C |
| Proportion of population covered by at least a 2G mobile network (%) G PERCENT C |
| Proportion of population covered by at least a 3G mobile network (%) G PERCENT C |
| Proportion of population covered by at least a 4G mobile network (%) G PERCENT C |
| Proportion of population practicing open defecation, by urban/rural (%) ALLAREA G PERCENT E |
| Proportion of population practicing open defecation, by urban/rural (%) RURAL G PERCENT E |
| Proportion of population practicing open defecation, by urban/rural (%) URBAN G PERCENT E |
| Proportion of population using basic drinking water services, by location (%) ALLAREA G PERCENT E |
| Proportion of population using basic drinking water services, by location (%) RURAL G PERCENT E |
| Proportion of population using basic drinking water services, by location (%) URBAN G PERCENT E |
| Proportion of population using basic sanitation services, by location (%) ALLAREA G PERCENT E |
| Proportion of population using basic sanitation services, by location (%) RURAL G PERCENT E |
| Proportion of population using basic sanitation services, by location (%) URBAN G PERCENT E |
| Proportion of population with access to electricity, by urban/rural (%) ALLAREA G PERCENT M |
| Proportion of population with access to electricity, by urban/rural (%) URBAN G PERCENT M |
| Proportion of seats held by women in national parliaments (% of total number of seats) FEMALE G PERCENT C |
| Proportion of tariff lines applied to imports with zero-tariff (%) G AGR PERCENT C |
| Proportion of tariff lines applied to imports with zero-tariff (%) G ALP PERCENT C |
| Proportion of tariff lines applied to imports with zero-tariff (%) G ARM PERCENT C |
| Proportion of tariff lines applied to imports with zero-tariff (%) G CLO PERCENT C |
| Proportion of tariff lines applied to imports with zero-tariff (%) G IND PERCENT C |
| Proportion of tariff lines applied to imports with zero-tariff (%) G TEX PERCENT C |
| Proportion of the target population who received 3 doses of diphtheria-tetanus-pertussis (DTP3) vaccine (%) G PERCENT E |
| Proportion of the target population who received a 3rd dose of pneumococcal conjugate (PCV3) vaccine (%) G PERCENT E |
| Proportion of the target population who received measles-containing-vaccine second-dose (MCV2) (%) G PERCENT E |
| Proportion of voting rights of developing countries in international organizations, by organization (%) G PERCENT G IMF |
| Proportion of youth in parliament (age 45 or below), Lower Chamber or Unicameral (%) G PERCENT <=45Y C |
| Ratio for female members of parliaments (Ratio of the proportion of women in parliament in the proportion of women in the national population with the age of eligibility as a lower bound boundary), Lower Chamber or Unicameral G Ratio C |
| Ratio of young members in parliament (Ratio of the proportion of young members in parliament (age 45 or below) in the proportion of the national population (age 45 or below) with the age of eligibility as a lower bound boundary), Lower Chamber or Unicameral G Ratio <=45Y C |
| Recipient countries of global funding with access to any funding from global financial mechanisms for projects related to invasive alien species management (1 = YES, 0 = NO) G BOOL N |
| Red List Index G INDEX E |

Table 16 (continued)

| Sustainable Development Goals indicators. |
|---|
| Regulatory Tier 1 capital to risk-weighted assets (%) G A PERCENT C |
| Regulatory capital to assets (%) G A PERCENT C |
| Renewable energy share in the total final energy consumption (%) G PERCENT E |
| Reservoir minimum water area (% of total land area) G A PERCENT E |
| Reservoir minimum water area (square kilometres) G A KMSQ E |
| Reservoir minimum water area change (%) G B PERCENT E |
| Return on assets (%) G A PERCENT C |
| Total government revenue (budgetary central government) as a proportion of GDP (%) G A PERCENT C |
| Total government revenue, in local currency G A CUR_LCU_M C |
| Total reported number of Standard Material Transfer Agreements (SMTAs) transferring plant genetic resources for food and agriculture to the country (number) G NUMBER C |
| Total reserves in months of imports (ratio) G Ratio G |
| Tuberculosis incidence (per 100,000 population) G PER_100000_POP G |
| Under-five deaths (number) MALE G NUMBER <5Y E |
| Under-five mortality rate, by sex (deaths per 1,000 live births) MALE G PER_1000_LIVE_BIRTHS <5Y E |
| Universal health coverage (UHC) service coverage index G INDEX E |
| Volume of remittances (in United States dollars) as a proportion of total GDP (%) G PERCENT G |
| Water Use Efficiency (United States dollars per cubic meter) G A USD/m3 INDUSTRIES G |
| Water Use Efficiency (United States dollars per cubic meter) G A USD/m3 ISIC4_A01_A0210_A0322 G |
| Water Use Efficiency (United States dollars per cubic meter) G A USD/m3 ISIC4_GTT G |
| Water Use Efficiency (United States dollars per cubic meter) G A USD/m3 TOTAL G |
| Worldwide weighted tariff-average, most-favoured-nation status, by type of product (%) G AGR PERCENT C |
| Worldwide weighted tariff-average, most-favoured-nation status, by type of product (%) G ALP PERCENT C |
| Worldwide weighted tariff-average, most-favoured-nation status, by type of product (%) G CLO PERCENT C |
| Worldwide weighted tariff-average, most-favoured-nation status, by type of product (%) G IND PERCENT C |
| Worldwide weighted tariff-average, most-favoured-nation status, by type of product (%) G TEX PERCENT C |
| Worldwide weighted tariff-average, preferential status, by type of product (%) G AGR PERCENT C |
| Worldwide weighted tariff-average, preferential status, by type of product (%) G ALP PERCENT C |
| Worldwide weighted tariff-average, preferential status, by type of product (%) G CLO PERCENT C |
| Worldwide weighted tariff-average, preferential status, by type of product (%) G IND PERCENT C |
| Worldwide weighted tariff-average, preferential status, by type of product (%) G TEX PERCENT C |
| [ILO] Proportion of children/households receiving child/family cash benefit, by sex (%) BOTHSEX G A PERCENT E |
| [ILO] Proportion of employed population covered in the event of work injury, by sex (%) BOTHSEX G A PERCENT E |
| [ILO] Proportion of mothers with newborns receiving maternity cash benefit (%) FEMALE G A PERCENT E |
| [ILO] Proportion of population above statutory pensionable age receiving a pension, by sex (%) BOTHSEX G A PERCENT E |
| [ILO] Proportion of population covered by at least one social protection benefit, by sex (%) BOTHSEX G A PERCENT E |
| [ILO] Proportion of population with severe disabilities receiving disability cash benefit, by sex (%) BOTHSEX G A PERCENT E |
| [ILO] Proportion of unemployed persons receiving unemployment cash benefit, by sex (%) BOTHSEX G A PERCENT E |
| [ILO] Proportion of vulnerable population receiving social assistance cash benefit, by sex (%) BOTHSEX G A PERCENT E |

Table 17 Most and least similar states in the complex network built from selected indicators, with the related Pearson correlation values

| | Most similar State | Less similar State |
|--------------------------|---|--|
| Afghanistan | Eritrea (0.6525) | Canada (0.2313) |
| Albania | Moldova (0.8639) | Equatorial Guinea (0.2550) |
| Algeria | Tunisia (0.8409) | Chad (0.2111) |
| Andorra | St. Kitts and Nevis (0.8037) | Liberia (0.2166) |
| Angola | Mozambique (0.7296) | China (0.2218) |
| Antigua and Barbuda | St. Lucia (0.8669) | Somalia (0.2058) |
| Argentina | Uruguay (0.7661) | Central African Republic (0.1977) |
| Armenia | Georgia (0.8799) | South Sudan (0.2412) |
| Australia | Denmark (0.8531) | Guinea-Bissau (0.1804) |
| Austria | Greece (0.8763) | Haiti (0.2130) |
| Azerbaijan | Kazakhstan (0.7980) | South Sudan (0.1963) |
| Bahamas | Antigua and Barbuda (0.7323) | China (0.1984) |
| Bahrain | Kuwait (0.7931) | Somalia (0.2358) |
| Bangladesh | Morocco (0.7554) | Somalia (0.2503) |
| Barbados | Trinidad and Tobago (0.8486) | Democratic Republic of the Congo (0.2038) |
| Belarus | Portugal (0.8218) | Democratic Republic of the Congo (0.2248) |
| Belgium | Portugal (0.8448) | Equatorial Guinea (0.2021) |
| Belize | St. Vincent and the Grenadines (0.7326) | China (0.1695) |
| Benin | Togo (0.7919) | Russian Federation (0.1648) |
| Bhutan | Yemen (0.6873) | Liechtenstein (0.2171) |
| Bolivia | Tunisia (0.7670) | South Sudan (0.2770) |
| Bosnia and Herzegovina | North Macedonia (0.8198) | Democratic Republic of the Congo (0.2123) |
| Botswana | Brunei Darussalam (0.7189) | Democratic People's Republic of Korea (0.2300) |
| Brazil | Spain (0.6885) | Equatorial Guinea (0.1734) |
| Brunei Darussalam | Bosnia and Herzegovina (0.7966) | Uganda (0.2052) |
| Bulgaria | Czech Republic (0.8561) | Democratic Republic of the Congo (0.2214) |
| Burkina Faso | Togo (0.8122) | Russian Federation (0.2373) |
| Burundi | Guinea (0.7896) | Australia (0.1928) |
| Cabo Verde | Trinidad and Tobago (0.7744) | Central African Republic (0.2348) |
| Cambodia | Laos (0.7904) | United States (0.2000) |
| Cameroon | Sudan (0.7806) | Australia (0.2032) |
| Canada | Australia (0.8131) | Madagascar (0.1623) |
| Central African Republic | Guinea-Bissau (0.7263) | United States (-0.2478) |
| Chad | Burkina Faso (0.7184) | Ukraine (0.1715) |
| Chile | Armenia (0.8077) | Democratic Republic of the Congo (0.1801) |
| China | United States (0.7029) | Central African Republic (-0.2044) |
| Colombia | Costa Rica (0.8323) | Chad (0.1935) |

Table 17 (continued)

| | Most similar State | Less similar State |
|---------------------------------------|---|---|
| Comoros | Cote d'Ivoire (0.7168) | Russian Federation (0.1879) |
| Costa Rica | Latvia (0.8359) | South Sudan (0.2013) |
| Cote d'Ivoire | Togo (0.8431) | China (0.1843) |
| Croatia | Spain (0.8998) | South Sudan (0.2181) |
| Cuba | Portugal (0.7794) | Democratic Republic of the Congo (0.2198) |
| Cyprus | Lithuania (0.8158) | Democratic Republic of the Congo (0.1972) |
| Czech Republic | Austria (0.8745) | Democratic Republic of the Congo (0.2275) |
| Democratic Republic of the Congo | Nigeria (0.7045) | Kazakhstan (0.1712) |
| Democratic People's Republic of Korea | Iran, Islamic Rep. (0.5857) | Democratic Republic of the Congo (0.1917) |
| Denmark | Norway (0.9016) | Equatorial Guinea (0.1901) |
| Djibouti | Fiji (0.6164) | United Kingdom (0.1891) |
| Dominica | St. Vincent and the Grenadines (0.8315) | China (0.1906) |
| Dominican Republic | Honduras (0.8064) | Central African Republic (0.2232) |
| Ecuador | Morocco (0.7890) | Central African Republic (0.1835) |
| Egypt | Tunisia (0.8130) | Somalia (0.2004) |
| El Salvador | Nicaragua (0.8394) | San Marino (0.2219) |
| Equatorial Guinea | Gabon (0.6910) | Brazil (0.1734) |
| Eritrea | Togo (0.7348) | San Marino (0.2664) |
| Estonia | Latvia (0.8996) | Chad (0.2164) |
| Eswatini | Laos (0.6994) | United States (0.1899) |
| Ethiopia | Sudan (0.7588) | Brunei Darussalam (0.2349) |
| Fiji | Maldives (0.7614) | South Sudan (0.2095) |
| Finland | Sweden (0.9214) | Equatorial Guinea (0.2148) |
| France | Spain (0.9042) | Liberia (0.1980) |
| Gabon | Republic of Congo (0.7617) | Russian Federation (0.2143) |
| Gambia | Guinea (0.7673) | Liechtenstein (0.2364) |
| Georgia | Armenia (0.8799) | Chad (0.2249) |
| Germany | France (0.8977) | Madagascar (0.1950) |
| Ghana | Senegal (0.7473) | China (0.1839) |
| Greece | Austria (0.8763) | Democratic Republic of the Congo (0.2213) |
| Grenada | St. Vincent and the Grenadines (0.8195) | Chad (0.2076) |
| Guatemala | Morocco (0.7444) | Liechtenstein (0.2151) |
| Guinea | Mali (0.8123) | Japan (0.1777) |
| Guinea-Bissau | Sierra Leone (0.7702) | Australia (0.1804) |
| Guyana | St. Lucia (0.7801) | Central African Republic (0.1978) |
| Haiti | Zambia (0.6177) | India (0.1806) |
| Honduras | Dominican Republic (0.8064) | San Marino (0.2356) |
| Hungary | Croatia (0.8880) | Chad (0.2174) |

Table 17 *(continued)*

| | Most similar State | Less similar State |
|--------------------------------|---|---|
| Iceland | Norway (0.8257) | Somalia (0.2360) |
| India | China (0.6792) | Haiti (0.1806) |
| Indonesia | Philippines (0.7654) | Somalia (0.2110) |
| Iran | Algeria (0.7494) | Lesotho (0.2013) |
| Iraq | Syrian Arab Republic (0.7402) | Equatorial Guinea (0.1988) |
| Ireland | Latvia (0.8212) | Haiti (0.1907) |
| Israel | Singapore (0.8219) | Guinea (0.2043) |
| Italy | Spain (0.8797) | Democratic Republic of the Congo (0.1832) |
| Jamaica | El Salvador (0.8212) | South Sudan (0.2126) |
| Japan | Republic of Korea (0.8643) | Guinea (0.1777) |
| Jordan | Laos (0.7426) | South Sudan (0.2026) |
| Kazakhstan | Belarus (0.8055) | Democratic Republic of the Congo (0.1712) |
| Kenya | Senegal (0.7642) | China (0.1686) |
| Kiribati | Federated States of Micronesia (0.7090) | United States (0.1852) |
| Kuwait | Qatar (0.8578) | Niger (0.2204) |
| Kyrgyz Republic | Montenegro (0.8207) | Central African Republic (0.2241) |
| Laos | Cambodia (0.7904) | China (0.2144) |
| Latvia | Lithuania (0.9042) | Chad (0.1950) |
| Lebanon | Venezuela (0.7594) | South Sudan (0.1987) |
| Lesotho | Namibia (0.6462) | Russian Federation (0.1803) |
| Liberia | Guinea-Bissau (0.7682) | Australia (0.1876) |
| Libya | Iraq (0.7014) | Somalia (0.1901) |
| Liechtenstein | Singapore (0.7105) | Guatemala (0.2151) |
| Lithuania | Latvia (0.9042) | Niger (0.2211) |
| Luxembourg | Denmark (0.8322) | Madagascar (0.2121) |
| Madagascar | Togo (0.7685) | Canada (0.1623) |
| Malawi | Burundi (0.7889) | Australia (0.1857) |
| Malaysia | Thailand (0.8364) | Somalia (0.1819) |
| Maldives | Fiji (0.7614) | Democratic Republic of the Congo (0.1718) |
| Mali | Guinea (0.8123) | Russian Federation (0.2137) |
| Malta | Croatia (0.8678) | Chad (0.2372) |
| Marshall Islands | Tuvalu (0.7777) | Canada (0.2222) |
| Mauritania | Senegal (0.7644) | Russian Federation (0.1859) |
| Mauritius | Seychelles (0.7570) | Democratic Republic of the Congo (0.2133) |
| Mexico | Costa Rica (0.7895) | Somalia (0.1890) |
| Federated States of Micronesia | Marshall Islands (0.7744) | Chad (0.2106) |
| Moldova | Albania (0.8639) | Central African Republic (0.2039) |
| Monaco | Andorra (0.7751) | Ethiopia (0.2515) |
| Mongolia | Portugal (0.7763) | Democratic Republic of the Congo (0.2512) |

Table 17 (continued)

| | Most similar State | Less similar State |
|-----------------------|---------------------------------|--|
| Montenegro | Kyrgyz Republic (0.8207) | Chad (0.2049) |
| Morocco | Tunisia (0.8694) | Central African Republic (0.1948) |
| Mozambique | Yemen (0.7978) | United States (0.2112) |
| Myanmar | Laos (0.7676) | United States (0.2815) |
| Namibia | Yemen(0.7164) | China (0.2233) |
| Nauru | Bosnia and Herzegovina (0.6476) | Senegal (0.2209) |
| Nepal | Laos (0.7410) | Russian Federation (0.1982) |
| Netherlands | Denmark (0.8814) | Madagascar (0.1985) |
| New Zealand | Portugal (0.8089) | Sierra Leone (0.1880) |
| Nicaragua | El Salvador (0.8394) | Central African Republic (0.1936) |
| Niger | Benin (0.7856) | Thailand (0.1703) |
| Nigeria | Pakistan (0.7167) | China (0.1825) |
| North Macedonia | Bosnia and Herzegovina (0.8198) | Niger (0.2561) |
| Norway | Denmark (0.9016) | Chad (0.1836) |
| Oman | Kuwait (0.8210) | Somalia (0.1903) |
| Pakistan | Nigeria (0.7167) | United States (0.2103) |
| Palau | Tonga (0.7356) | Burkina Faso (0.2820) |
| Panama | Albania (0.7916) | Central African Republic (0.2043) |
| Papua New Guinea | Yemen (0.7046) | Turkmenistan (0.2014) |
| Paraguay | Trinidad and Tobago (0.7376) | Central African Republic (0.2085) |
| Peru | Ecuador (0.7558) | Central African Republic (0.2217) |
| Philippines | Malaysia (0.7956) | Central African Republic (0.1886) |
| Poland | Slovenia (0.8394) | Democratic Republic of the Congo (0.1985) |
| Portugal | Spain (0.8997) | Democratic Republic of the Congo (0.2470) |
| Qatar | United Arab Emirates (0.8644) | South Sudan (0.2052) |
| Republic of Congo | Gabon (0.7617) | Nauru (0.2380) |
| Republic of Korea | Japan (0.8643) | Niger (0.1796) |
| Romania | Czech Republic (0.8706) | South Sudan (0.2091) |
| Russian Federation | Canada (0.7528) | Benin (0.1648) |
| Rwanda | Yemen (0.7822) | China (0.2315) |
| Samoa | Tuvalu (0.7869) | Central African Republic (0.2004) |
| San Marino | Monaco (0.6633) | Lesotho (0.2214) |
| Sao Tome and Principe | Gambia, The (0.7257) | Democratic People's Republic of Korea (0.2054) |
| Saudi Arabia | Kuwait (0.8394) | Democratic Republic of the Congo (0.2159) |
| Senegal | Mauritania (0.7644) | United States (0.1969) |
| Serbia | Bulgaria (0.8083) | Democratic Republic of the Congo (0.2349) |
| Seychelles | Mauritius (0.7570) | China (0.2058) |
| Sierra Leone | Guinea-Bissau (0.7702) | India (0.1847) |
| Singapore | Israel (0.8219) | Liberia (0.1942) |

Table 17 *(continued)*

| | Most similar State | Less similar State |
|--------------------------------|---|---|
| Slovak Republic | Hungary (0.8842) | Chad (0.1906) |
| Slovenia | Lithuania (0.8937) | Guinea-Bissau (0.2516) |
| Solomon Islands | Samoa (0.6729) | China (0.1904) |
| Somalia | South Sudan (0.6638) | Malaysia (0.1819) |
| South Africa | Mexico (0.7696) | South Sudan (0.2125) |
| South Sudan | Central African Republic (0.6859) | Uzbekistan (0.1927) |
| Spain | France (0.9042) | Chad (0.1860) |
| Sri Lanka | El Salvador (0.7402) | South Sudan (0.2019) |
| St. Kitts and Nevis | St. Vincent and the Grenadines (0.8058) | Chad (0.2297) |
| St. Lucia | Antigua and Barbuda (0.8669) | Somalia (0.2567) |
| St. Vincent and the Grenadines | Dominica (0.8315) | China (0.1947) |
| Sudan | Cameroon (0.7806) | Russian Federation (0.2166) |
| Suriname | Trinidad and Tobago (0.7443) | Central African Republic (0.2046) |
| Sweden | Finland (0.9214) | Equatorial Guinea (0.1965) |
| Switzerland | Sweden (0.8865) | Sierra Leone (0.1992) |
| Syrian Arab Republic | Iraq (0.7402) | China (0.2177) |
| Tajikistan | Kyrgyz Republic (0.7569) | United States (0.2792) |
| Tanzania | Kenya (0.7397) | Russian Federation (0.2188) |
| Thailand | Malaysia (0.8364) | Niger (0.1703) |
| Timor-Leste | Tuvalu (0.6724) | Democratic Republic of the Congo (0.2653) |
| Togo | Cote d'Ivoire (0.8431) | Russian Federation (0.2079) |
| Tonga | Samoa (0.7798) | Central African Republic (0.1810) |
| Trinidad and Tobago | Barbados (0.8486) | Chad (0.2398) |
| Tunisia | Morocco (0.8694) | Central African Republic (0.1943) |
| Türkiye | Spain (0.7528) | Madagascar (0.2019) |
| Turkmenistan | Bahrain (0.7553) | Democratic Republic of the Congo (0.1862) |
| Tuvalu | Samoa (0.7869) | Central African Republic (0.2054) |
| Uganda | Rwanda (0.7288) | Brunei Darussalam (0.2052) |
| Ukraine | Greece (0.7377) | Chad (0.1715) |
| United Arab Emirates | Qatar (0.8644) | Madagascar (0.1988) |
| United Kingdom | France (0.8938) | Djibouti (0.1891) |
| United States | Canada (0.7619) | Central African Republic (-0.2478) |
| Uruguay | Serbia (0.7935) | South Sudan (0.2177) |
| Uzbekistan | Bahrain (0.7876) | Democratic Republic of the Congo (0.1772) |
| Vanuatu | Tajikistan (0.7444) | United States (0.2191) |
| Venezuela | Lebanon (0.7594) | Niger (0.2798) |
| Vietnam | Cote d'Ivoire (0.7002) | China (0.1904) |
| Yemen | Mozambique (0.7978) | United States (0.2132) |
| Zambia | Burkina Faso (0.7924) | China (0.1705) |
| Zimbabwe | Thailand (0.7099) | Somalia (0.2281) |

15. Addendum on Artificial Intelligence

Table 18 Selected list of United Nations Artificial Intelligence initiatives

UN Resolutions

| Title | Description | URL |
|--------------------------------|--|---|
| Resolution A/RES/78/311 | <p>"Enhancing international cooperation on capacity-building of artificial intelligence: draft resolution" (25 June 2024)</p> <p>This emphasizes the importance of international cooperation in building artificial intelligence (AI) capacity, especially in developing countries. It highlights the need for AI systems to be safe, reliable, trustworthy, and inclusive, with a focus on promoting human rights and adhering to international law. The resolution recognizes the rapid technological changes and the potential of AI to contribute to sustainable development goals, while also acknowledging the risks and challenges associated with its misuse.</p> | https://digitallibrary.un.org/record/4053245?ln=en&v=pdf |
| Resolution A/RES/78/265 | <p>"Seizing the opportunities of safe, secure and trustworthy artificial intelligence systems for sustainable development" (2024)* Adopted on March 21, 2024, this landmark resolution is the first UN resolution focused entirely on AI. It emphasizes the importance of developing AI systems that are safe, secure, and trustworthy while promoting sustainable development. The resolution calls for international cooperation, equitable access to AI technologies, and the protection of human rights. It also highlights the need for regulatory frameworks at both national and international levels to manage AI risks and ensure its benefits are widely shared.</p> | https://digitallibrary.un.org/record/4043244?v=pdf |
| Resolution A/HRC/53/L.27/Rev.1 | <p>"New and emerging digital technologies and human rights" adopted by the Human Rights Council on 14 July 2023</p> <p>It points out the importance of addressing the human rights implications of new and emerging digital technologies. It highlights the need for international cooperation and a human rights-based approach to regulate and utilize these technologies to ensure they contribute to the promotion and protection of human rights.</p> | https://digitallibrary.un.org/record/4020206?ln=en&v=pdf |

Table 18 (continued)**UN Secretariat****Secretary General Advisory Body**

| Title | Description | URL |
|--|---|---|
| Governing AI for Humanity - United Nations (2023) | The interim report by the UN High-level Advisory Body on AI outlines principles and functions for global AI governance. It addresses the opportunities, risks, and challenges of AI, proposing a framework for international collaboration to ensure AI benefits all humanity while mitigating risks. | https://www.un.org/en/ai-advisory-body |
| High level advisory body on Artificial Intelligence | | |
| Interim Report: Governing AI for Humanity | The report calls for a closer alignment between international norms and how AI is developed and rolled out. | https://www.un.org/en/ai-advisory-body |
| UN DESA | | |
| With AI, jobs are changing but no mass unemployment expected - UN labour experts | It explores AI's impact on labor markets, emphasizing its replacement of routine tasks and the creation of new roles requiring interpersonal skills and advocates for policies ensuring equitable AI benefits and urges governments to adopt flexible regulations and enhance social protections. ILO stresses the importance of adapting to digital technology. | https://www.un.org/tr/desa/ai-jobs-are-changing-no-mass-unemployment-expected-un-labour-experts |
| Frontier Issues: The Impact of the Technological Revolution on Labour Markets and Income Distribution (July, 2017) | This is to provide a comprehensive analysis of how technological advancements, particularly those involving artificial intelligence (AI) and automation, are transforming the global economy and labor markets. | https://www.un.org/development/desa/dpad/wp-content/uploads/sites/45/publication/2017_Aug_Frontier-Issues-1.pdf |
| Internet Governance Forum | | |
| Policy Network on Artificial Intelligence (PNAI) | It collects Global multistakeholder effort on AI and provides Four new PNAI focus areas for 2024, building on the previous AI discussions. | https://www.intgovforum.org/en/pnai |
| UNESCO | | |
| Recommendation on the Ethics of Artificial Intelligence | UNESCO's first-ever global standard on AI ethics – was adopted by all 193 Member States in November 2021. Adopted by UNESCO member states in November 2021, the recommendation outlines a series of values, principles, and actions to guide states in the formulation of their legislation, policies, and other instruments regarding AI. For instance, the document calls for action to guarantee individuals more privacy and data protection, by ensuring transparency, agency, and control over their personal data. Explicit bans on the use of AI systems for social scoring and mass surveillance are also highlighted, and there are provisions for ensuring that real-world biases are not replicated online. | https://www.unesco.org/en/articles/recommendation-ethics-artificial-intelligence |

Table 18 (continued)

| Title | Description | URL |
|---|--|---|
| Report of the High-level Committee on Programmes on its Virtual Consultation on the Ethics of Artificial Intelligence | The report details the virtual meeting held on 29 July 2020 by the High-level Committee on Programmes to discuss the ethics of artificial intelligence (AI). The meeting, led by UNESCO, focused on developing a global standard-setting instrument on AI ethics. It emphasized the importance of addressing ethical concerns such as privacy, data protection, and biases, and highlighted the need for international cooperation and capacity-building. The discussions underscored the critical role of the United Nations in ensuring AI is developed and used ethically and inclusively, benefiting all sectors of society. | https://digitallibrary.un.org/record/3895564?ln=en&v=pdf |
| ITU | | |
| United Nations Activities on Artificial Intelligence (AI) | This report compiles AI-related activities from 46 UN agencies, focusing on the ethical use of AI and its application across various sectors. It aims to foster collaboration and build a common understanding of AI technologies, supporting the 2030 Agenda for Sustainable Development. | https://www.itu.int/dms_pubitu-s/opb/gen/S-GEN-UNACT-2022-PDF-E.pdf |
| UNU | | |
| Towards a UN Role in Governing Foundation Artificial Intelligence Models (2023) | This working paper discusses the governance challenges posed by foundation AI models like GPT-4. It recommends that the UN focus on norm and consensus-building rather than technical regulation, emphasizing equitable benefits distribution and international convergence on best practices. | https://unu.edu/cpr/working-paper/towards-un-role-governing-foundation-artificial-intelligence-models |

16. List of UN online research volunteers, responding countries and cities to MSQ and LGQ

Table 19 List of online researchers

| Abdulrahman Jean-Samuel Bonsenge-Bokanga | Abraham Selby | Adam Šíma |
|--|----------------------------|---------------------------|
| Adel Alareba | Adrienn Bősz | Aisha Ayyad |
| Aishath Celestine Donovan-Bradley | Aissata Elisa Maria Campos | Alanood Alwahaibi |
| Alejandro Clastornik | Alexia de Roode Torres | Amadou OURY Diallo |
| Amal Salah Janahi | Amanda Zuze | Aminath Nihan |
| Amirjon Abdukodirov | Anchal Manchanda | Andrea Vinelli |
| Andrés Villar | Angel Zundel | Anita Adhikari |
| Anna Sobota | Annette Murigi | Antons Mischenko |
| Asim Omran | Asmaa Nabil | Assane Igodoe |
| Audrey Kianjaya | Baigorria Emman Zisko | Barry Hamblin |
| Basnet Pema | Batzorig Tuvshinjargal | Begench Bayramov |
| Botagoz Kairatkyzy | Canicave Rim | Caroline Echea |
| Charmaine Distor | Chuiy Lu | Courage Chakanza |
| Daniel Mordeki | Dean Ross | Deborah Marconcini Bittar |
| EL AID BLAILI | Eden Laura | Edith Williams |
| Eduardo Tejada | Elena Ricci | Elizabeth Chatora |
| Elizabeth Niland | Emma Hevlund | Emma Le |
| Emmanuel Merson Dioceli Flores | Essa Dayhan Daguer Barham | Esther-Maria Rohde |
| Eun Young Jung | Eva Bolza-Schünemann | Faniel Hagos |
| Fatema Alhamed | Fathia Assakina | Fatima Zahra El Azizi |
| Feda Muhammad | Fleur BELINGA | Galina Limorenko |
| Gaurav Madawela | Georgiadis Samuel | Gjokaj Soumaya |
| Gladys Besona | Hadjia Keita | Hadjaratou Hamani |
| Hansali Dissanayake | Harry Sailale | Hsu Mon Kyaw |
| ISMAEL SANDA | Ibrahim Atta | Illugi Hjaltalin |
| Ilyas Ourdaoui | Ioana Alexandra Trifa | Isaac Aaron |
| Isaac Henries | Isabel Susino | Ivana Jezkova |
| Jakhongir Berkinov | Jari Linikko | Jasmina Mulic |
| Jelissa Rodríguez | Jerome Idinin Adjimoti | Jessica W. L. Ware |
| Jingyi Jiang | Johanna Michell Chavez | Joseph Hendrikx |
| Joseph Lwanga | Joyeuse Tuyizere | Juan Wen |
| Kabanga Deo | Kareem Altakhee | Katerina Mansour |
| Kelvin Luyako | Khadijatu Suso | Khammassi Pau Vidal Gil |
| Kie Okamoto | Konassandé Jaya | Krishna Pavan Challa |
| Ksenia Kumanina | Lamija Balta | Laura Hermann |
| Laura Karmacs | Liel Gold | Liisa Kohonen |
| Lina Coronado | Lithakazi Mkombe | Liyana Arlouskaya |
| Lorena Belenky | Lousine Aroyan | Luis Mena |
| Magdalena ciesielska | Mahdi Sadeghiha | Maitha Alamimi |
| Maksim Padbiarozkin | Malika Gozikhonova | Manoek Sam |
| Margarit Baburyan | Mariami Bitsadze | Mariglent Jazi |

Table 19 (continued)

| Marina Manakhova | Mario Mendoza | Mario von Ahn |
|--------------------------|-------------------------|--------------------------|
| Marisa Simbiak | Marsel Nurbolotov | Marta Rocha |
| Martina Astorga | Maryam Elsherif | Maëlle Délen |
| Moamal Ghalib | Mohamed Abdullahi | Mohammed Bilal Wali |
| Mon Kyaw Su Maung | Muhammad Danial Lim Ong | Naci Karkin |
| Nasser Anda Garba | Natalja Cekalina | Natasha Rumbidzai Rupiya |
| Nicole Boudassou Baez | Nicole Mkandla | Nikki Camilleri |
| Nikolaj Storm Petersen | Nneoma Ojike | Nomenatiana Bakoalijaona |
| Nurmuhammet Annayev | OJEI EMEKE COLLINS | Olena Shkarpitna |
| Olivia Morra | Oscar Oldbury-Swift | Parviz Melibaev |
| Patricia Moreno Gaona | Paulina Robles Rubio | Petya Barzilska |
| Pranjal Gautam | Prof. Karim Hamza | Rachael Purcell |
| Rafika Arsyad | Riyadh Fadhl | Roberta Spiteri |
| Rukhsara Babayeva | Rumen Stefanov | Ryan Ang |
| Sam Verebes | Sandra Kolb | Saumya Mehta |
| Scotia Haig | Serge Banga | Sharon Zuckerman |
| Shashveena Shamira Shafa | Sim Ti Richard | Sohaib Hamza Ekshiekh |
| Sot Liachnis | Soumaya Gjokaj | Sven Simikin |
| Séckou Amadou Alpha Coly | Tensae Endrias | Thien Tran |
| Thomas Nordbø Heyeraas | Tiblet Kelemwork | Unursetseg Boldbaatar |
| Uriel Maldonado Zamudio | Vasyl Kunychka | Wantinèki Diane |
| Won Fy Lee | Xuewei Liao | Yasmine Elsherif |
| Yasmine Jawad | Yousif El Ashi | Yudit Agni Puspitarini |
| Zaidullah Zahid | Zala Terlep Rogelj | Zosheen Riaz |
| labidi aya | | |

Table 20 Responding countries to Member States Questionnaire (MSQ)

| Albania | Greece | Republic of Moldova |
|----------------------------------|----------------------------------|--|
| Algeria | Germany | Russian Federation |
| Antigua and Barbuda | Guatemala | Samoa |
| Argentina | Gambia | Saudi Arabia |
| Armenia | Hungary | Serbia |
| Australia | Honduras | Seychelles |
| Austria | Kiribati | Singapore |
| Azerbaijan | Italy | Slovenia |
| Bahamas | Ireland | Somalia |
| Bahrain | Iraq | Spain |
| Bangladesh | Iran (Islamic Republic of) | Sri Lanka |
| Belgium | Indonesia | Sweden |
| Belize | India | Switzerland |
| Benin | Jordan | Syrian Arab Republic |
| Bhutan | Japan | Thailand |
| Bolivia (Plurinational State of) | Kyrgyzstan | Tonga |
| Bosnia and Herzegovina | Kuwait | Trinidad and Tobago |
| Brazil | Kazakhstan | Türkiye |
| Brunei Darussalam | Luxembourg | Tuvalu |
| Burkina Faso | Liechtenstein | United Arab Emirates |
| Cabo Verde | Lebanon | United Kingdom of Great Britain and Northern Ireland |
| Cambodia | Latvia | United Republic of Tanzania |
| Canada | Lao People's Democratic Republic | Uruguay |
| Chile | Myanmar | Uzbekistan |
| China | Morocco | Viet Nam |
| Costa Rica | Montenegro | Yemen |
| Croatia | Mongolia | |
| Cuba | Monaco | |
| Cyprus | Mauritius | |
| Czech Republic | Mauritania | |
| Denmark | Malta | |
| Dominican Republic | Malaysia | |
| Ecuador | Oman | |
| Egypt | Pakistan | |
| Estonia | Panama | |
| Eswatini | Paraguay | |
| Ethiopia | Peru | |
| Estonia | Philippines | |
| Eswatini | Poland | |
| Ethiopia | Portugal | |
| Finland | Qatar | |
| Fiji | Republic of Korea | |

Table 21 Responding cities to Local Government Questionnaire (LGQ)

| Addis Ababa (Ethiopia) | Algiers (Algeria) | Almaty (Kazakhstan) |
|--|---|---|
| Amman (Jordan) | Apia (Samoa) | Baghdad (Iraq) |
| Baku (Azerbaijan) | Bangkok (Thailand) | Belize City (Belize) |
| Berlin (Germany) | Bogota (Colombia) | Brussels (Belgium) |
| Casablanca (Morocco) | City of Tallinn (Estonia) | Colombo (Sri Lanka) |
| Cotonou (Benin) | Dar Es Salaam (United Republic of Tanzania) | Dhaka (Dhaka North City Corporation) (Bangladesh) |
| Doha (Qatar) | Dubai (United Arab Emirates) | Dublin (Ireland) |
| Guatemala (Guatemala) | Havana (Cuba) | Jakarta (Indonesia) |
| Karachi (Pakistan) | Kuala Lumpur (Malaysia) | London (United Kingdom of Great Britain and Northern Ireland) |
| Manama (Bahrain) | Mbabane (Eswatini) | Monaco (Monaco) |
| Montevideo (Uruguay) | Moscow (Russian Federation) | Mumbai (India) |
| Niamey (Niger) | Nicosia (Cyprus) | Nouakchott (Mauritania) |
| Ouagadougou (Burkina Faso) | Port Louis (Mauritius) | Riyadh (Saudi Arabia) |
| Roma (Italy) | Santo Domingo (Dominican Republic) | Singapore (Singapore) |
| São Paulo (Brazil) | Tashkent (Uzbekistan) | Tel Aviv (Israel) |
| Thimphu Thromde (Municipality)(Bhutan) | Tirana (Albania) | Tokyo (Japan) |
| Vienna (Austria) | Yangon (Myanmar) | Yerevan (Armenia) |