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External Assessment 2022

GEOGRAPHY

GGY315120

Pages	12
Questions	12
Answer Booklets	5
Attachments	2

Preparation time for this exam: 15 minutes

Suggested working time: 3 hours

Instructions:

- There are **four (4)** sections to this exam paper.
- You must answer **one (1)** question from each section:
 - **Section A** – answer **both** questions
 - Question 1 answered in **one (1) separate answer booklet** and
 - Question 2 answered in **one (1) separate answer booklet**.
 - **Section B** – answer **both** questions.
 - **Section C** – answer **all** questions.
 - **Section D** – answer **one (1)** question in essay form.
- Answer each section in a **separate answer booklet** and write the question number you are answering on the front cover of each answer booklet.
- The suggested working time is **45 minutes** on each section.
- All answers must be written in **English**.
- You **must** make sure your answers address:
 - Criterion 3 communicate geographical ideas and information
 - Criterion 4 identify and apply geographical concepts to geographical phenomena
 - Criterion 5 identify geographical processes and their relation to geographical change
 - Criterion 6 identify geographical issues or challenges and possible solutions.

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Guide to Exam Structure

		Questions available	Questions to answer	Suggested working time	Marks available
Section	A	2	2	45 minutes	All criteria are assessed using extended ratings of: A+ to z
Section	B	2	2	45 minutes	
Section	C	3	3	45 minutes	
Section	D	5	1	45 minutes	
Totals		12	8	180 minutes (3 hours)	A+ to z rating

Section A

- Answer **both** questions from this section.
 - Use a **separate answer booklet** for **each** question in this section.
 - It is suggested that you spend **approximately 45 minutes** on this section.
 - This section assesses **Criteria 4** and **6**.
 - You must refer to the **Information Sheet: Global National Income Purchasing Power Parity (GNI PPP) (2020)** and the **Data Sheet: World Population Data (2021)** when answering both parts of Question 1.
-

Question 1

- a) Describe the pattern of GNI PPP per capita, shown on the World Map on the Information Sheet, with reference to the level of economic development in specific regions and countries.
- b) Referring to the Data Sheet identify **one (1)** country with a high GNI PPP per capita and **one (1)** country with a low GNI PPP per capita and record those statistics. For each selected country, choose **two (2)** other indicators from the Data Sheet and give reasons to explain how those indicators would support the level of economic development in each country.

Question 2

- a) Describe **two (2)** challenges facing urban (metropolitan and/or regional cities) in Australia.
- b) Suggest **one (1)** possible solution or program that could be implemented to address **one (1)** of these challenges.
- c) Assess the possible outcome of this action now and into the future.

Section B

- Answer **both** questions from this section.
 - Use a **separate answer booklet** for this section.
 - It is suggested that you spend **approximately 45 minutes** on this section.
 - This section assesses **Criteria 4** and **5**.
-

Question 3

Explain the nature and extent of anthropogenic climate change and describe some of the impacts of this process for the world's peoples and environments. Refer to **one (1)** example from a More Developed Country (MDC) and **one (1)** from a Less Developed Country (LDC).

Question 4

"The world's land cover is being changed by human activities in a variety of ways".

Describe the nature and consequence (social and environmental) of **one (1)** form of human action on land cover using a specific example from a country/or countries of your choice. State whether your selected country/countries are LDCs or MDCs.

Section C

- Answer **all** questions from this section.
 - Use a **separate answer booklet** to answer all questions for this section.
 - It is suggested that you spend **approximately 45 minutes** on this section.
 - This section assesses **Criteria 3** and **5**.
-

Question 5

Explain the extent to which enhanced/new technology and transport have influenced the process of globalisation.

Question 6

Refer to **two (2)** world cities and discuss their economic **or** cultural importance. Demonstrate how they are contributing to the process of globalisation.

Question 7

With reference to specific regions and/or countries discuss the recent shift in global economic power and cultural influence.

Section D

- Answer **one (1)** question from this section in **essay form**.
 - Use a **separate answer booklet** for this section.
 - It is suggested that you spend **approximately 45 minutes** on this section.
 - This section assesses **Criteria 3** and **6**.
-

Question 8

Explain the causes and consequences of **two (2)** challenges faced by **one (1)** megacity in a developing country. Discuss strategies that have been undertaken to address these challenges. Evaluate the effectiveness of these strategies including the likelihood of success.

OR

Question 9

Choose **one (1)** of the following:

- glacier and ice sheet retraction
- rising sea levels leading to land cover loss
- cropland/pasture loss **and/or** degradation or desertification
- coral reef loss and/or degradation.

Explain the relationship between anthropogenic climate change and **one (1)** of the environmental issues listed above and discuss some of the impacts of that process. Discuss local and/or international initiatives that have been implemented to address these impacts and evaluate their effectiveness.

OR

Question 10

Choose **one (1)** of the following:

- deforestation
- the expansion/intensification of agriculture
- rangeland modification
- land and soil degradation
- irrigation
- land drainage
- land reclamation
- urban expansion
- mining.

Describe the negative environmental impacts of **one (1)** form of human induced land cover change from the list above. Explain **one (1)** existing program that is being implemented to reduce those impacts and assess the effectiveness of that program in terms of future sustainability.

Section D continues

Section D continued

OR

Question 11

Choose **one (1)** of the following:

- a mineral ore or fossil-based energy resource
- a food or fibre-based commodity
- a complex manufactured commodity
- a commodity typical of the 'weightless' or service based commodity.

Describe the changing distribution of production and consumption of **one (1)** of the commodities, goods or services listed above. With reference to specific examples, analyse the social, economic and geopolitical implications of these changes currently and into the future.

OR

Question 12

Choose **one (1)** of the following cultural elements:

- fashion
- a sport or leisure activity
- music
- religion
- language
- architecture
- political ideas.

Describe the geographical spread and distribution of **one (1)** cultural element from the list above. Explain the role of enhanced/new technologies in influencing this pattern. Using specific examples discuss some of the economic, social or geopolitical implications of this pattern now and into the future.

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End of Exam

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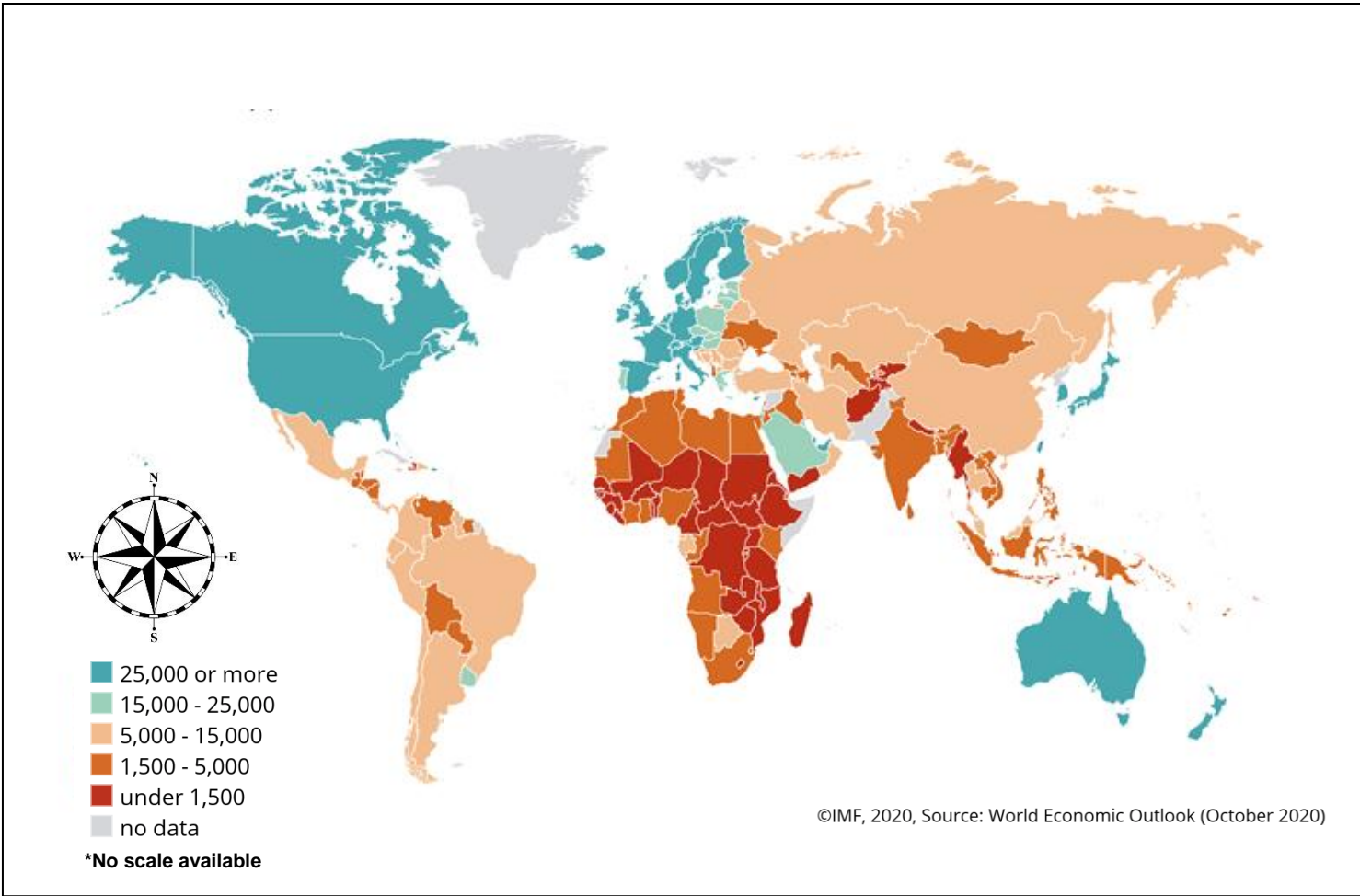
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Information Sheet

Global National Income Purchasing Power Parity
(GNI PPP) (2020)

Source: IMF, World Economic Outlook (October 2020)

GNI PPP (2020)





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Data Sheet

Pages 24

World Population Data (2021)

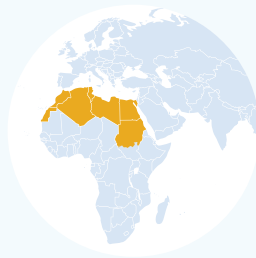
Source: 2021 Population Reference Bureau

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World

	Population (millions) mid-2021	Births per 1,000 Population	Deaths per 1,000 Population	Rate of Natural Increase (%)	Net Migration Rate	Population (millions)		Infant Mortality Rate ^a	Total Fertility Rate ^b		Percent of All Births to Mothers Ages 15-19		Percent of All Births to Mothers Ages 35+		Family Planning Among Married Women Ages 15-49 ^d			Percent of Population		Life Expectancy at Birth (Years)			Youth Ages 15-24 With HIV/AIDS (%)		Urban Population (%)	Population per km ² of Arable Land	GNI per Capita, PPP ^f
						mid-2035	mid-2050		1990	2020 ^c	1990	2020 ^c	1990	2020 ^c	Using All Methods (%)	Using Modern Methods (%)	Demand Satisfied by Modern Methods (%) ^e	Ages <15	Ages 65+	Total	Males	Females	Males	Females			
WORLD	7,837	18	8	1.0	—	8,848	9,688	31	3.2	2.3	12	9	11	14	61	54	—	26	10	73	71	75	—	—	56	565	17,535
More Developed	1,271	9	11	-0.2	2	1,298	1,296	4	1.7	1.5	9	3	9	23	68	59	—	16	19	79	76	82	—	—	79	251	47,551
Less Developed	6,566	20	7	1.3	-0	7,550	8,393	33	3.6	2.4	13	9	11	13	60	54	—	27	8	72	70	74	—	—	52	746	11,276
Least Developed	1,088	32	7	2.5	-1	1,481	1,958	48	5.9	4.0	17	16	16	15	38	34	55	39	4	66	64	68	0.5	1.1	34	591	3,086
High Income	1,216	10	10	0.0	2	1,270	1,284	4	1.8	1.5	7	3	9	25	68	—	—	16	19	80	78	83	—	—	82	362	52,629
Middle Income	5,903	18	7	1.1	-0	6,565	7,035	29	3.4	2.2	13	8	10	13	63	56	—	26	8	72	70	74	—	—	54	648	11,719
Upper-Middle Income	2,527	11	8	0.4	0	2,594	2,537	11	2.6	1.6	9	7	7	14	78	72	—	20	12	76	73	79	—	—	69	516	17,884
Lower-Middle Income	3,377	22	7	1.6	-1	3,971	4,498	35	4.3	2.6	15	9	12	12	52	45	68	30	6	69	68	71	—	—	42	803	7,007
Low Income	686	35	7	2.8	-0	974	1,328	51	6.4	4.7	15	15	18	15	32	28	49	42	3	64	62	66	0.4	0.9	33	508	2,449



Northern Africa

	Population (millions) mid-2021	Births per 1,000 Population	Deaths per 1,000 Population	Rate of Natural Increase (%)	Net Migration Rate	Population (millions)		Infant Mortality Rate ^a	Total Fertility Rate ^b		Percent of All Births to Mothers Ages 15-19		Percent of All Births to Mothers Ages 35+		Family Planning Among Married Women Ages 15-49 ^d			Percent of Population		Life Expectancy at Birth (Years)			Youth Ages 15-24 With HIV/AIDS (%)		Urban Population (%)	Population per km ² of Arable Land	GNI per Capita, PPP ^f
						mid-2035	mid-2050		1990	2020 ^c	1990	2020 ^c	1990	2020 ^c	Using All Methods (%)	Using Modern Methods (%)	Demand Satisfied by Modern Methods (%) ^e	Ages <15	Ages 65+	Total	Males	Females	Males	Females			
AFRICA	1,373	33	8	2.5	-0	1,890	2,529	47	5.9	4.3	15	15	17	16	36	31	52	40	4	64	63	66	0.7	1.5	43	571	4,801
Northern Africa	248	23	6	1.7	-1	301	348	22	4.7	2.9	10	7	16	19	50	45	65	33	6	74	73	75	<0.1	<0.1	53	598	9,626
Algeria	45.1	22	5	1.8	-1	54.5	57.7	17	4.7	2.8	5	1	20	30	54	45	66	30	6	78	77	79	<0.1	<0.1	73	601	11,010
Egypt	102.3	23	6	1.6	-0	123.0	142.9	16	4.6	2.7	14	9	12	11	59	57	80	34	5	75	73	76	<0.1	<0.1	43	3,514	12,210
Libya	7.0	18	5	1.2	-0	7.9	8.5	10	5.0	2.2	3	1	24	37	28	16	24	28	5	73	70	76	<0.1	<0.1	80	404	11,250
Morocco	36.3	18	5	1.3	-1	40.7	43.6	18	4.0	2.3	8	7	19	25	71	59	72	27	8	77	76	78	<0.1	<0.1	64	526	7,190
Sudan	44.9	31	7	2.4	-1	61.5	81.2	40	6.2	4.3	14	9	18	19	12	12	30	40	4	66	64	68	<0.1	<0.1	36	227	3,970
Tunisia	11.8	16	7	0.9	-1	12.5	12.9	14	3.5	2.1	4	2	17	28	51	44	63	25	8	76	75	78	<0.1	<0.1	69	452	9,990
Western Sahara	0.6	19	5	1.4	9	0.8	1.0	26	4.3	2.3	9	4	20	27	—	—	—	27	3	71	69	73	—	—	87	15,297	—



Western Africa

	Population (millions) mid-2021	Births per 1,000 Population	Deaths per 1,000 Population	Rate of Natural Increase (%)	Net Migration Rate	Population (millions)		Infant Mortality Rate ^a	Total Fertility Rate ^b		Percent of All Births to Mothers Ages 15-19		Percent of All Births to Mothers Ages 35+		Family Planning Among Married Women Ages 15-49 ^d			Percent of Population		Life Expectancy at Birth (Years)			Youth Ages 15-24 With HIV/AIDS (%)		Urban Population (%)	Population per km ² of Arable Land	GNI per Capita, PPP ^f
						mid-2035	mid-2050		1990	2020 ^c	1990	2020 ^c	1990	2020 ^c	Using All Methods (%)	Using Modern Methods (%)	Demand Satisfied by Modern Methods (%) ^e	Ages <15	Ages 65+	Total	Males	Females	Males	Females			
AFRICA	1,373	33	8	2.5	-0	1,890	2,529	47	5.9	4.3	15	15	17	16	36	31	52	40	4	64	63	66	0.7	1.5	43	571	4,801
Sub-Saharan Africa	1,125	36	8	2.7	-0	1,589	2,181	50	6.2	4.7	17	16	17	16	32	28	49	42	3	62	61	64	0.8	1.7	41	565	3,702
Western Africa	413	37	10	2.7	-1	587	814	55	6.6	5.1	17	16	18	17	20	16	38	43	3	59	58	60	0.3	0.6	47	481	4,154
Benin	12.6	43	8	3.5	0	19.7	30.5	55	6.7	5.7	14	12	18	12	16	12	26	46	2	61	60	63	0.3	0.5	45	451	3,470
Burkina Faso	21.5	37	8	2.9	-1	31.1	43.4	49	7.0	5.0	16	14	19	15	35	32	56	44	2	62	61	63	0.4	0.5	30	358	2,190
Cabo Verde	0.6	18	6	1.3	-2	0.6	0.7	15	5.4	2.2	15	17	13	13	56	55	—	28	5	73	70	76	<0.1	0.2	66	1,123	6,230
Côte d'Ivoire	27.1	35	10	2.5	-0	37.8	51.3	56	6.6	4.5	18	18	17	15	23	20	40	42	3	58	57	60	0.6	0.9	51	773	5,300
Gambia	2.5	33	8	2.6	-1	3.5	4.5	42	6.1	4.4	17	10	13	19	19	17	40	44	3	63	61	64	0.2	0.5	59	565	2,240
Ghana	32.4	31	6	2.4	-0	43.1	55.4	37	5.6	3.9	15	11	17	18	31	25	—	38	4	69	67	70	0.4	1.0	57	976	5,470
Guinea	13.5	35	8	2.7	-0	19.1	26.0	48	6.6	4.5	19	21	17	15	11	11	32	43	3	62	61	63	0.3	0.8	36	435	2,580
Guinea-Bissau	2.0	33	8	2.5	-4	2.8	4.0	35	6.6	4.3	15	16	18	18	21	20	48	43	3	63	61	65	0.6	1.2	44	659	1,980
Liberia	5.2	33	7	2.5	-1	7.1	9.3	63	6.5	4.2	20	22	18	15	25	24	41	40	3	64	63	66	0.3	0.7	52	1,036	1,250
Mali	20.9	45	9	3.6	-2	31.9	47.1	54	7.2	6.3	21	22	16	14	17	16	40	47	2	60	59	61	0.3	0.5	43	325	2,250
Mauritania	4.8	33	7	2.6	1	6.7	9.0	50	5.9	4.4	14	10	20	22	18	16	30	40	3	65	64	67	<0.1	<0.1	55	1,194	5,240
Niger	25.1	47	10	3.7	-1	41.4	66.0	69	7.9	7.0	20	23	16	14	11	11	46	50	3	59	58	61	<0.1	<0.1	16	142	1,210
Nigeria	211.4	37	11	2.5	-0	295.0	401.3	58	6.5	5.2	17	14	18	19	17	12	34	43	3	55	54	56	0.3	0.6	51	622	5,000
Senegal	17.2	35	6	2.9	-1	25.1	35.8	29	6.4	4.7	16	11	19	20	27	26	53	43	3	68	66	70	<0.1	<0.1	47	537	3,400
Sierra Leone	8.1	33	11	2.2	-1	10.9	14.1	75	6.7	4.2	20	18	18	14	21	21	45	40	3	55	54	56	0.6	1.3	42	514	1,670
Togo	8.3	33	6	2.7	-2	11.4	15.3	44	6.6	4.3	14	11	19	18	24	21	37	40	4	71	68	73	0.5	1.0	42	313	2,230



Eastern Africa

	Population (millions) mid-2021	Births per 1,000 Population	Deaths per 1,000 Population	Rate of Natural Increase (%)	Net Migration Rate	Population (millions)		Infant Mortality Rate ^a	Total Fertility Rate ^b		Percent of All Births to Mothers Ages 15-19		Percent of All Births to Mothers Ages 35+		Family Planning Among Married Women Ages 15-49 ^d			Percent of Population		Life Expectancy at Birth (Years)			Youth Ages 15-24 With HIV/AIDS (%)		Urban Population (%)	Population per km ² of Arable Land	GNI per Capita, PPP ^f
						mid-2035	mid-2050		1990	2020 ^c	1990	2020 ^c	1990	2020 ^c	Using All Methods (%)	Using Modern Methods (%)	Demand Satisfied by Modern Methods (%) ^e	Ages <15	Ages 65+	Total	Males	Females	Males	Females			
AFRICA	1,373	33	8	2.5	-0	1,890	2,529	47	5.9	4.3	15	15	17	16	36	31	52	40	4	64	63	66	0.7	1.5	43	571	4,801
Sub-Saharan Africa	1,125	36	8	2.7	-0	1,589	2,181	50	6.2	4.7	17	16	17	16	32	28	49	42	3	62	61	64	0.8	1.7	41	565	3,702
Eastern Africa	458	34	6	2.7	-1	640	861	42	6.3	4.3	16	15	17	15	44	39	60	41	3	66	64	68	1.0	2.0	29	669	2,524
Burundi	12.2	36	6	3.0	-1	18.3	25.6	40	6.7	5.2	6	8	21	19	29	23	39	43	3	67	65	69	0.5	0.6	13	1,020	780
Comoros	0.9	31	7	2.4	-2	1.2	1.5	50	6.4	4.1	14	10	20	17	19	14	27	39	3	65	63	66	<0.1	<0.1	29	1,346	3,330
Djibouti	1.0	20	7	1.3	1	1.2	1.3	31	6.1	2.6	6	4	21	31	19	18	—	29	5	67	65	70	0.4	0.5	78	50,102	5,620
Eritrea	3.6	29	7	2.2	-7	4.7	6.0	30	6.5	3.9	14	9	21	15	8	7	20	41	5	67	65	69	0.1	0.2	41	522	—
Ethiopia	117.8	32	6	2.6	-0	160.9	208.3	47	6.6	4.1	13	12	20	18	38	36	63	40	3	68	65	70	0.3	0.4	21	728	2,410
Kenya	54.7	27	5	2.2	-0	71.8	89.6	30	5.6	3.4	17	14	14	15	65	61	77	38	3	69	67	71	1.2	2.1	32	943	4,370
Madagascar	28.4	37	6	3.1	-0	41.5	58.9	40	6.2	4.6	18	18	15	11	44	41	64	40	3	68	66	69	<0.1	<0.1	38	948	1,540
Malawi	20.3	29	5	2.4	0	27.0	33.9	35	7.3	3.6	17	19	16	13	59	58	75	40	4	72	69	75	1.9	3.7	17	564	1,540
Mauritius	1.3	11	9	0.2	-1	1.2	1.1	14.9	2.3	1.5	11	9	8	13	64	32	42	17	12	74	71	78	0.4	0.3	40	1,689	22,390
Mayotte	0.3	35	4	3.2	4	0.4	0.5	4	6.0	4.5	15	11	14	20	—	—	—	44	3	73	72	74	—	—	46	1,704	—
Mozambique	32.0	39	11	2.8	-2	45.8	65.6	49	5.9	5.0	21	25	15	14	27	25	50	45	3	56	54	57	2.4	6.2	32	566	1,250
Réunion	0.9	15	6	0.9	-9	0.9	1.0	7	2.6	2.4	11	12	10	15	—	—	—	22	13	81	77	85	—	—	100	2,505	—
Rwanda	13.3	32	5	2.7	-1	17.9	23.0	33	7.2	4.1	7	7	21	19	64	58	75	37	3	69	67	72	0.7	1.1	22	1,153	2,160
Seychelles	0.1	16	7	0.9	-16	0.1	0.1	11.6	2.7	2.3	15	13	9	14	—	—	—	24	8	77	73	82	—	—	57	66,541	24,310
Somalia	16.4	49	11	3.8	-2	25.1	37.5	65	7.4	6.9	10	13	24	13	7	1	2	46	3	58	56	60	<0.1	<0.1	46	1,487	870
South Sudan	11.4	34	10	2.4	-8	15.3	20.0	61	6.8	4.5	15	9	18	13	—	5 ^g	—	41	3	58	57	60	0.6	1.3	20	—	—
Tanzania	62.1	34	5	2.9	-0	89.5	124.2	32	6.1	4.5	18	19	16	15	38	32	53	42	3	70	68	71	1.1	2.2	35	460	2,760
Uganda	47.1	39	6	3.3	0	69.6	97.8	42	7.1	5.0	19	17	14	13	45	37	54	46	2	64	61	66	1.1	2.6	24	683	2,260
Zambia	19.1	36	6	2.9	0	27.8	38.5	42	6.4	4.7	19	18	15	15	50	48	69	43	3	66	64	67	2.3	6.0	44	502	3,360
Zimbabwe	15.1	33	8	2.5	-6	20.0	26.3	47	4.9	3.9	17	15	14	13	67	66	85	42	3	62	60	63	2.9	5.2	32	377	2,850



Middle Africa

	Population (millions) mid-2021	Births per 1,000 Population	Deaths per 1,000 Population	Rate of Natural Increase (%)	Net Migration Rate	Population (millions)		Infant Mortality Rate ^a	Total Fertility Rate ^b		Percent of All Births to Mothers Ages 15-19		Percent of All Births to Mothers Ages 35+		Family Planning Among Married Women Ages 15-49 ^d			Percent of Population		Life Expectancy at Birth (Years)			Youth Ages 15-24 With HIV/AIDS (%)		Urban Population (%)	Population per km ² of Arable Land	GNI per Capita, PPP ^f
						mid-2035	mid-2050		1990	2020 ^c	1990	2020 ^c	1990	2020 ^c	Using All Methods (%)	Using Modern Methods (%)	Demand Satisfied by Modern Methods (%) ^e	Ages <15	Ages 65+	Total	Males	Females	Males	Females			
AFRICA	1,373	33	8	2.5	-0	1,890	2,529	47	5.9	4.3	15	15	17	16	36	31	52	40	4	64	63	66	0.7	1.5	43	571	4,801
Sub-Saharan Africa	1,125	36	8	2.7	-0	1,589	2,181	50	6.2	4.7	17	16	17	16	32	28	49	42	3	62	61	64	0.8	1.7	41	565	3,702
Middle Africa	185	42	9	3.4	-1	281	413	62	6.7	5.8	17	17	17	16	22	15	29	46	3	61	59	63	0.3	0.8	49	600	2,744
Angola	33.6	43	8	3.4	-0	53.3	82.0	62	7.0	6.0	16	19	16	16	14	13	24	48	2	61	59	63	0.4	1.0	63	687	6,020
Cameroon	27.3	37	8	2.9	-0	39.4	54.9	48	6.4	4.8	21	16	13	16	19	15	36	42	3	62	61	64	0.6	1.4	57	441	3,720
Central African Republic	4.9	46	12	3.4	-5	6.8	9.2	65	5.8	6.0	19	21	15	13	18	14	26	44	3	54	51	56	0.7	1.2	42	273	1,040
Chad	17.4	47	10	3.7	-0	26.2	37.4	79	7.3	6.4	22	21	13	14	8	7	17	47	2	58	57	60	0.3	0.5	23	335	1,580
Congo	5.7	32	7	2.5	0	7.9	10.7	33	5.1	4.3	19	18	15	18	30	19	39	41	3	65	63	66	0.6	2.6	67	1,029	3,110
Congo, Dem. Rep.	92.5	44	8	3.5	-1	141.7	211.9	64	6.7	6.2	14	16	20	16	28	18	31	46	2	61	59	63	0.2	0.4	45	784	1,100
Equatorial Guinea	1.4	32	9	2.3	10	2.1	2.8	61	6.0	4.3	21	20	17	13	13	10	21	37	2	59	58	60	1.5	3.5	72	1,208	13,350
Gabon	2.3	30	7	2.3	1	3.0	3.8	33	5.4	3.8	24	13	13	20	31	19	34	37	4	67	65	69	0.5	1.2	90	701	14,130
São Tomé and Príncipe	0.2	28	5	2.3	-7	0.3	0.4	10	5.8	3.8	17	16	10	17	50	46	60	42	3	71	68	73	<0.1	<0.1	68	5,583	4,260



Southern Africa

	Population (millions) mid-2021	Births per 1,000 Population	Deaths per 1,000 Population	Rate of Natural Increase (%)	Net Migration Rate	Population (millions)		Infant Mortality Rate ^a	Total Fertility Rate ^b		Percent of All Births to Mothers Ages 15-19		Percent of All Births to Mothers Ages 35+		Family Planning Among Married Women Ages 15-49 ^d			Percent of Population		Life Expectancy at Birth (Years)			Youth Ages 15-24 With HIV/AIDS (%)		Urban Population (%)	Population per km ² of Arable Land	GNI per Capita, PPP ^f
						mid-2035	mid-2050		1990	2020 ^c	1990	2020 ^c	1990	2020 ^c	Using All Methods (%)	Using Modern Methods (%)	Demand Satisfied by Modern Methods (%) ^e	Ages <15	Ages 65+	Total	Males	Females	Males	Females			
AFRICA	1,373	33	8	2.5	-0	1,890	2,529	47	5.9	4.3	15	15	17	16	36	31	52	40	4	64	63	66	0.7	1.5	43	571	4,801
Sub-Saharan Africa	1,125	36	8	2.7	-0	1,589	2,181	50	6.2	4.7	17	16	17	16	32	28	49	42	3	62	61	64	0.8	1.7	41	565	3,702
Southern Africa	68	20	11	0.9	2	81	94	26	4.1	2.4	16	14	15	15	56	55	78	29	6	62	59	65	3.5	10.1	64	511	11,549
Botswana	2.3	21	9	1.2	3	2.8	3.2	27	4.6	2.5	17	7	15	21	67	—	—	30	6	65	63	67	4.2	8.8	70	904	15,570
Eswatini	1.1	24	10	1.4	-6	1.2	1.3	43	5.5	2.5	16	11	16	14	66	66	81	33	4	59	56	61	4.7	12.2	24	636	8,380
Lesotho	2.2	21	12	0.9	-5	2.4	2.6	62	4.7	2.7	15	18	18	13	65	65	80	33	5	58	56	60	3.9	9.0	29	1,578	2,740
Namibia	2.6	27	8	2.0	-2	3.3	4.0	30	5.2	3.3	15	11	18	16	56	55	75	37	4	64	61	67	2.6	5.1	48	323	9,220
South Africa	60.1	19	12	0.8	3	71.6	82.5	24	4.0	2.3	17	14	15	14	55	54	78	28	6	62	59	65	3.5	10.4	67	501	11,870



Northern America

	Population (millions) mid-2021	Births per 1,000 Population	Deaths per 1,000 Population	Rate of Natural Increase (%)	Net Migration Rate	Population (millions)		Infant Mortality Rate ^a	Total Fertility Rate ^b		Percent of All Births to Mothers Ages 15-19		Percent of All Births to Mothers Ages 35+		Family Planning Among Married Women Ages 15-49 ^d			Percent of Population		Life Expectancy at Birth (Years)			Youth Ages 15-24 With HIV/AIDS (%)		Urban Population (%)	Population per km ² of Arable Land	GNI per Capita, PPP ^f
						mid-2035	mid-2050		1990	2020 ^c	1990	2020 ^c	1990	2020 ^c	Using All Methods (%)	Using Modern Methods (%)	Demand Satisfied by Modern Methods (%) ^e	Ages <15	Ages 65+	Total	Males	Females	Males	Females			
AMERICAS	1,027	14	8	0.6	0	1,120	1,174	12	2.7	1.9	16	12	11	16	75	69	—	22	12	77	74	80	—	—	80	301	33,572
Northern America	371	11	10	0.1	2	396	412	5	2.0	1.6	12	4	9	20	75	66	82	18	17	78	75	81	—	—	82	189	64,417
Canada	38.2	10	8	0.2	2	43.8	48.8	4.4	1.7	1.5	6	2	9	23	85 ^d	—	—	16	18	82	80	84	—	—	81	99	47,500
United States of America	332.3	11	10	0.1	1	351.8	363.4	5.4	2.0	1.6	13	4	9	19	74	66	82	18	17	77	75	80	—	—	82	211	66,060



Central America

	Population (millions) mid-2021	Births per 1,000 Population	Deaths per 1,000 Population	Rate of Natural Increase (%)	Net Migration Rate	Population (millions)		Infant Mortality Rate ^a	Total Fertility Rate ^b		Percent of All Births to Mothers Ages 15-19		Percent of All Births to Mothers Ages 35+		Family Planning Among Married Women Ages 15-49 ^d			Percent of Population		Life Expectancy at Birth (Years)			Youth Ages 15-24 With HIV/AIDS (%)		Urban Population (%)	Population per km ² of Arable Land	GNI per Capita, PPP ^f
						mid-2035	mid-2050		1990	2020 ^c	1990	2020 ^c	1990	2020 ^c	Using All Methods (%)	Using Modern Methods (%)	Demand Satisfied by Modern Methods (%) ^e	Ages <15	Ages 65+	Total	Males	Females	Males	Females			
AMERICAS	1,027	14	8	0.6	0	1,120	1,174	12	2.7	1.9	16	12	11	16	75	69	—	22	12	77	74	80	—	—	80	301	33,572
Latin America and the Caribbean	656	16	7	0.9	-0	725	762	15	3.3	2.0	17	15	11	14	76	71	—	24	9	76	73	79	—	—	79	452	15,363
Central America	180	18	6	1.2	-1	200	213	14	3.7	2.1	18	15	11	11	71	67	—	26	8	75	72	78	<0.1	<0.1	69	736	15,853
Belize	0.4	20	5	1.5	3	0.6	0.7	13	4.5	2.2	20	16	8	11	51	49	66	36	4	75	72	78	0.2	0.3	45	478	5,880
Costa Rica	5.2	11	5	0.6	4	5.7	6.1	8.0	3.3	1.4	16	14	11	14	71	69	83	22	9	81	78	83	<0.1	0.1	73	2,027	19,840
El Salvador	6.5	19	6	1.2	-5	6.7	6.5	13	3.7	2.1	22	15	10	12	72	68	82	26	8	75	71	79	<0.1	<0.1	70	905	8,050
Guatemala	18.4	23	5	1.7	-2	20.2	22.7	20	5.4	2.6	18	15	14	15	61	49	66	32	5	73	70	77	<0.1	<0.1	51	2,139	8,690
Honduras	9.4	21	5	1.6	-1	11.9	14.3	16	5.1	2.5	19	17	12	13	73	64	76	31	6	75	73	78	<0.1	<0.1	55	926	5,050
Mexico	128.8	17	6	1.1	-0	141.9	148.2	13	3.5	2.1	17	15	10	10	73	70	—	25	8	75	72	78	0.1	<0.1	73	664	18,170
Nicaragua	6.7	20	4	1.6	-6	7.7	8.5	13	4.6	2.4	23	18	10	12	80	77	90	30	6	76	73	79	<0.1	<0.1	59	443	5,410
Panama	4.4	16	5	1.0	2	5.2	5.8	11	3.1	2.4	20	18	8	11	51	47	63	26	9	79	76	82	0.1	0.1	69	774	25,010



Caribbean

	Population (millions) mid-2021	Births per 1,000 Population	Deaths per 1,000 Population	Rate of Natural Increase (%)	Net Migration Rate	Population (millions)		Infant Mortality Rate ^a	Total Fertility Rate ^b		Percent of All Births to Mothers Ages 15-19		Percent of All Births to Mothers Ages 35+		Family Planning Among Married Women Ages 15-49 ^d			Percent of Population		Life Expectancy at Birth (Years)			Youth Ages 15-24 With HIV/AIDS (%)		Urban Population (%)	Population per km ² of Arable Land	GNI per Capita, PPP ^f
						mid-2035	mid-2050		1990	2020 ^c	1990	2020 ^c	1990	2020 ^c	Using All Methods (%)	Using Modern Methods (%)	Demand Satisfied by Modern Methods (%) ^e	Ages <15	Ages 65+	Total	Males	Females	Males	Females			
AMERICAS	1,027	14	8	0.6	0	1,120	1,174	12	2.7	1.9	16	12	11	16	75	69	—	22	12	77	74	80	—	—	80	301	33,572
Latin America and the Caribbean	656	16	7	0.9	-0	725	762	15	3.3	2.0	17	15	11	14	76	71	—	24	9	76	73	79	—	—	79	452	15,363
Caribbean	43	16	8	0.7	-3	46	47	29	2.9	2.1	16	13	11	15	57	55	71	24	10	73	71	75	0.2	0.4	71	811	—
Antigua and Barbuda	0.1	15	7	0.8	0	0.1	0.1	15	2.1	2.0	19	10	9	12	—	—	—	21	9	78	74	81	—	—	25	2,482	18,610
Bahamas	0.4	16	6	0.9	3	0.4	0.5	13	2.6	2.0	15	8	10	21	—	—	—	23	7	76	73	79	0.3	0.3	83	4,913	31,200
Barbados	0.3	11	9	0.1	-0	0.3	0.3	9	1.7	1.6	15	8	9	24	59	55	70	17	17	79	78	81	—	—	31	3,826	13,010
Cuba	11.2	9	10	-0.1	-1	11.2	10.8	4.9	1.7	1.6	23	15	4	10	69	68	87	16	15	79	78	81	<0.1	<0.1	77	371	—
Curaçao	0.2	10	9	0.1	-17	0.2	0.2	8.1	2.3	1.6	11	8	12	17	—	—	—	17	18	78	75	82	—	—	89	—	26,620
Dominica	0.07	10	10	0.0	1	0.07	0.07	20	—	1.8	—	—	—	—	—	—	—	22	11	75	73	78	—	—	71	1,203	10,740
Dominican Republic	10.6	18	7	1.2	-3	11.8	12.6	22	3.3	2.2	17	17	7	10	70	68	84	27	7	72	70	74	0.1	0.2	80	1,208	17,060
Grenada	0.1	16	10	0.6	-2	0.1	0.1	15	3.8	2.0	17	6	12	13	—	—	—	24	10	73	70	75	—	—	36	3,776	14,370
Guadeloupe	0.4	12	10	0.3	-3	0.4	0.4	7.4	2.3	2.3	8	4	15	22	—	—	—	18	21	80	77	84	—	—	98	1,685	—
Haiti	11.5	23	8	1.5	-3	13.3	14.9	51	5.4	2.8	10	11	22	20	34	32	44	32	5	64	62	67	0.4	0.9	56	1,079	2,930
Jamaica	2.8	13	7	0.6	-4	2.8	2.5	11	2.9	1.8	22	13	9	15	73	68	83	23	9	75	73	76	0.2	0.3	56	2,347	8,850
Martinique	0.4	10	10	0.0	-14	0.4	0.3	9	2.1	1.9	9	3	15	21	—	—	—	16	23	82	79	85	—	—	89	3,255	—
Puerto Rico	2.8	6	9	-0.3	-8	2.8	2.4	6.6	2.2	1.0	18	13	7	13	—	—	—	16	21	80	77	84	—	—	94	5,634	24,010
St. Kitts-Nevis	0.05	13	8	0.5	1	0.05	0.05	9	2.6	1.8	19	12	8	16	—	—	—	20	11	77	74	79	—	—	31	996	24,190
St. Lucia	0.2	12	7	0.4	0	0.2	0.2	16	3.4	1.3	21	12	8	15	56	53	72	19	9	76	75	78	—	—	19	6,098	12,200
St. Vincent and the Grenadines	0.1	13	9	0.4	-3	0.1	0.1	12	3.0	1.7	21	13	8	10	—	—	—	22	10	72	71	74	—	—	53	5,539	12,810
Trinidad and Tobago	1.4	12	8	0.4	-1	1.4	1.3	11	2.5	1.4	15	7	10	15	40	38	58	21	9	74	71	76	<0.1	0.1	53	5,474	24,800



South America

	Population (millions) mid-2021	Births per 1,000 Population	Deaths per 1,000 Population	Rate of Natural Increase (%)	Net Migration Rate	Population (millions)		Infant Mortality Rate ^a	Total Fertility Rate ^b		Percent of All Births to Mothers Ages 15-19		Percent of All Births to Mothers Ages 35+		Family Planning Among Married Women Ages 15-49 ^d			Percent of Population		Life Expectancy at Birth (Years)			Youth Ages 15-24 With HIV/AIDS (%)		Urban Population (%)	Population per km ² of Arable Land	GNI per Capita, PPP ^f
						mid-2035	mid-2050		1990	2020 ^c	1990	2020 ^c	1990	2020 ^c	Using All Methods (%)	Using Modern Methods (%)	Demand Satisfied by Modern Methods (%) ^e	Ages <15	Ages 65+	Total	Males	Females	Males	Females			
AMERICAS	1,027	14	8	0.6	0	1,120	1,174	12	2.7	1.9	16	12	11	16	75	69	—	22	12	77	74	80	—	—	80	301	33,572
Latin America and the Caribbean	656	16	7	0.9	-0	725	762	15	3.3	2.0	17	15	11	14	76	71	—	24	9	76	73	79	—	—	79	452	15,363
South America	433	15	7	0.8	0	479	501	14	3.1	1.9	16	15	12	15	79	74	—	23	10	76	73	80	—	—	84	376	15,036
Argentina	45.7	16	7	0.9	0	50.9	55.0	9.2	3.0	2.2	15	14	13	18	81 ^g	78 ^g	—	24	12	78	75	81	<0.1	<0.1	92	140	20,210
Bolivia	11.8	21	6	1.4	-1	14.0	16.0	21	4.9	2.5	14	14	17	16	67	45	50	30	7	74	71	77	<0.1	<0.1	69	260	8,250
Brazil	212.8	13	7	0.6	0	229.2	232.9	12	2.9	1.7	17	16	11	15	80	78	—	21	10	76	72	80	—	—	87	382	14,550
Chile	19.6	12	6	0.6	12	21.1	21.6	5.5	2.6	1.6	14	11	11	22	76	70	—	20	12	81	78	83	0.2	<0.1	89	1,682	23,980
Colombia	50.9	15	6	0.9	2	57.7	61.9	17	3.1	1.9	18	18	11	11	81	76	86	24	9	77	74	80	<0.1	<0.1	77	853	14,280
Ecuador	17.7	19	6	1.4	0	20.7	23.1	10	3.7	2.4	15	17	14	12	80	72	81	29	7	77	75	80	<0.1	<0.1	64	1,794	10,580
French Guiana	0.3	28	3	2.4	-12	0.4	0.5	9	3.9	3.6	14	10	13	18	—	—	—	32	6	80	78	83	—	—	86	2,214	—
Guyana	0.8	19	8	1.1	-7	0.8	0.8	26	3.1	2.4	17	17	8	9	34	33	53	28	7	70	67	73	0.2	0.3	27	188	15,370
Paraguay	7.3	20	6	1.4	-4	8.4	9.3	24	4.5	2.4	14	16	16	13	68	67	83	29	7	75	72	78	<0.1	<0.1	63	155	12,590
Peru	32.8	17	8	0.9	0	37.0	39.4	15	3.9	2.2	14	12	16	18	76	55	67	25	9	77	74	80	<0.1	<0.1	75	764	11,490
Suriname	0.6	17	7	1.0	3	0.6	0.6	21	3.3	2.2	17	14	8	13	39	39	57	26	8	73	71	76	0.1	0.2	66	990	15,000
Uruguay	3.5	11	10	0.1	0	3.7	3.7	6.8	2.5	1.6	15	15	12	15	80 ^h	78 ^h	—	20	14	78	74	81	<0.1	<0.1	95	176	21,630
Venezuela	29.1	18	8	1.0	-3	34.2	36.5	28	3.5	2.3	18	17	11	14	75	—	—	25	8	71	67	75	0.1	0.2	88	1,118	—



Western Asia

	Population (millions) mid-2021	Births per 1,000 Population	Deaths per 1,000 Population	Rate of Natural Increase (%)	Net Migration Rate	Population (millions)		Infant Mortality Rate ^a	Total Fertility Rate ^b		Percent of All Births to Mothers Ages 15-19		Percent of All Births to Mothers Ages 35+		Family Planning Among Married Women Ages 15-49 ^d			Percent of Population		Life Expectancy at Birth (Years)			Youth Ages 15-24 With HIV/AIDS (%)		Urban Population (%)	Population per km ² of Arable Land	GNI per Capita, PPP ^f
						mid-2035	mid-2050		1990	2020 ^c	1990	2020 ^c	1990	2020 ^c	Using All Methods (%)	Using Modern Methods (%)	Demand Satisfied by Modern Methods (%) ^e	Ages <15	Ages 65+	Total	Males	Females	Males	Females			
ASIA	4,651	16	7	0.9	-0	5,043	5,192	26	3.2	1.9	11	5	9	12	64	57	—	24	9	74	72	76	—	—	52	932	13,584
Western Asia	284	19	5	1.4	2	345	391	18	4.3	2.5	11	7	14	19	52	37	—	28	6	76	73	78	—	—	72	754	28,804
Armenia	3.0	12	12	0.0	-2	2.8	2.6	7	2.5	1.6	14	4	5	10	57	28	40	20	12	77	73	80	<0.1	<0.1	64	667	13,080
Azerbaijan	10.2	14	6	0.9	0	10.5	10.1	11	3.1	1.8	5	10	5	6	55	14	—	22	7	76	74	79	<0.1	<0.1	53	486	14,300
Bahrain	1.5	14	2	1.2	-19	1.7	1.8	6	3.7	1.6	3	2	17	20	—	—	—	20	3	77	77	79	—	—	89	91,217	44,330
Cyprus	1.2	11	7	0.4	4	1.3	1.4	3	2.4	1.3	6	1	8	15	—	—	—	17	14	81	79	83	—	—	68	1,262	36,840
Georgia	3.7	13	14	-0.1	-2	3.5	3.3	8	1.5	1.9	22	6	5	13	41	33	51	20	15	74	70	78	<0.1	<0.1	59	1,206	14,160
Iraq	40.1	27	4	2.3	-1	51.9	63.8	23	5.9	3.6	11	13	19	14	53	36	54	36	3	73	71	75	—	—	70	803	9,660
Israel	9.4	19	5	1.4	2	12.2	15.8	3.0	3.0	2.9	4	1	14	23	—	—	—	28	12	83	81	85	—	—	92	2,477	41,750
Jordan	10.9	22	6	1.6	-8	11.9	13.8	14	5.5	2.7	8	6	15	17	52	37	57	35	4	75	73	77	<0.1	<0.1	90	5,238	10,320
Kuwait	4.5	12	2	1.0	7	5.2	5.6	8	3.0	2.1	5	2	16	28	—	—	—	21	4	82	81	83	—	—	100	56,625	58,930
Lebanon	6.8	17	5	1.2	-17	6.2	6.5	9	3.4	2.0	10	3	12	15	55	47	—	25	8	79	77	81	<0.1	<0.1	89	5,122	11,960
Oman	4.5	18	2	1.6	10	5.3	5.9	8	7.2	2.6	9	2	21	26	30	19	40	27	3	78	76	81	—	—	85	6,531	26,160
Palestinian Territory	5.2	30	4	2.6	-1	7.0	8.8	12	6.7	3.8	12	9	13	13	57	43	61	38	3	74	73	75	—	—	76	5,999	6,620
Qatar	2.9	10	1	0.9	11	3.4	3.8	5	4.0	1.8	6	2	15	24	38	34	69	14	2	80	79	82	<0.1	<0.1	100	20,562	88,070
Saudi Arabia	35.9	15	4	1.1	5	43.9	49.5	13	5.5	2.0	8	2	16	36	25	21	—	25	3	76	75	78	<0.1	<0.1	84	1,043	47,790
Syria	20.4	22	5	1.7	13	31.9	36.9	13	5.3	2.7	12	7	16	19	54	38	53	31	5	74	70	79	<0.1	<0.1	55	437	—
Turkey	83.8	14	5	0.9	4	96.0	103.4	9	3.1	1.9	13	4	9	16	70	49	60	23	10	79	76	81	—	—	76	428	27,780
United Arab Emirates	9.8	10	2	0.8	2	10.5	10.2	5	4.5	1.4	7	1	18	29	—	—	—	15	1	78	77	80	<0.1	<0.1	87	19,604	70,300
Yemen	30.5	29	6	2.3	-1	39.6	48.1	42	8.6	3.6	15	10	20	17	34	29	47	39	3	66	65	68	<0.1	<0.1	37	2,633	—



Central Asia

	Population (millions) mid-2021	Births per 1,000 Population	Deaths per 1,000 Population	Rate of Natural Increase (%)	Net Migration Rate	Population (millions)		Infant Mortality Rate ^a	Total Fertility Rate ^b		Percent of All Births to Mothers Ages 15-19		Percent of All Births to Mothers Ages 35+		Family Planning Among Married Women Ages 15-49 ^d			Percent of Population		Life Expectancy at Birth (Years)			Youth Ages 15-24 With HIV/AIDS (%)		Urban Population (%)	Population per km ² of Arable Land	GNI per Capita, PPP ^f
						mid-2035	mid-2050		1990	2020 ^c	1990	2020 ^c	1990	2020 ^c	Using All Methods (%)	Using Modern Methods (%)	Demand Satisfied by Modern Methods (%) ^e	Ages <15	Ages 65+	Total	Males	Females	Males	Females			
ASIA	4,651	16	7	0.9	-0	5,043	5,192	26	3.2	1.9	11	5	9	12	64	57	—	24	9	74	72	76	—	—	52	932	13,584
Central Asia	76	25	6	1.8	-1	90	102	14	3.8	2.9	8	6	7	9	54	52	—	31	5	73	70	76	<0.1	<0.1	48	202	11,653
Kazakhstan	19.0	22	9	1.4	-1	21.5	24.0	7	2.8	2.7	9	5	8	16	53	50	73	29	8	74	69	78	<0.1	<0.1	59	64	24,380
Kyrgyzstan	6.7	24	6	1.8	-1	8.0	9.2	15	3.9	2.9	9	5	8	13	39	38	65	33	5	72	68	76	<0.1	<0.1	34	520	4,750
Tajikistan	9.7	29	5	2.4	-2	12.6	16.2	26	5.2	3.5	7	9	8	4	29	27	52	37	3	71	69	74	<0.1	<0.1	26	1,393	4,500
Turkmenistan	6.1	24	7	1.7	-1	7.4	8.7	32	4.3	3.0	4	4	10	9	50	47	80	31	5	68	65	72	—	—	52	315	15,600
Uzbekistan	34.9	25	5	2.0	-0	40.1	44.1	10	4.2	2.8	8	5	7	6	65	62	—	29	5	75	71	76	<0.1	<0.1	51	864	7,350



South Asia

	Population (millions) mid-2021	Births per 1,000 Population	Deaths per 1,000 Population	Rate of Natural Increase (%)	Net Migration Rate	Population (millions)		Infant Mortality Rate ^a	Total Fertility Rate ^b		Percent of All Births to Mothers Ages 15-19		Percent of All Births to Mothers Ages 35+		Family Planning Among Married Women Ages 15-49 ^d			Percent of Population		Life Expectancy at Birth (Years)			Youth Ages 15-24 With HIV/AIDS (%)		Urban Population (%)	Population per km ² of Arable Land	GNI per Capita, PPP ^f
						mid-2035	mid-2050		1990	2020 ^c	1990	2020 ^c	1990	2020 ^c	Using All Methods (%)	Using Modern Methods (%)	Demand Satisfied by Modern Methods (%) ^e	Ages <15	Ages 65+	Total	Males	Females	Males	Females			
ASIA	4,651	16	7	0.9	-0	5,043	5,192	26	3.2	1.9	11	5	9	12	64	57	—	24	9	74	72	76	—	—	52	932	13,584
South Asia	1,969	21	6	1.5	-1	2,244	2,428	36	4.3	2.3	16	5	11	8	53	46	72	28	6	70	69	71	—	—	37	889	6,058
Afghanistan	39.8	32	6	2.6	-2	54.6	70.6	47	7.5	4.3	17	11	19	14	19 ^g	18 ^g	—	47	3	65	64	67	<0.1	<0.1	24	511	2,110
Bangladesh	171.7	19	6	1.4	-2	196.9	215.5	34	4.5	2.3	24	21	9	6	63	59	77	27	5	73	71	75	—	—	37	2,155	5,310
Bhutan	0.8	16	6	1.0	0	0.8	0.9	21	5.5	1.9	14	5	14	12	66	65	85	25	6	72	72	73	<0.1	<0.1	38	805	10,480
India	1,393.0	20	6	1.4	-0	1,553.3	1,638.7	32	4.0	2.2	15	3	9	7	54	48	72	26	7	69	68	71	—	—	35	893	6,390
Iran	85.0	14	5	1.0	-1	92.4	94.6	6	4.7	1.9	14	8	16	21	77	57	69	25	7	77	76	78	<0.1	<0.1	75	543	13,150
Maldives	0.5	12	2	1.0	-1	0.5	0.6	10	6.0	2.0	17	1	12	14	19	15	30	20	4	79	78	81	—	—	41	13,934	12,840
Nepal	30.4	19	7	1.2	-1	36.6	40.1	25	5.2	2.0	17	18	12	4	47	44	62	28	6	69	68	71	<0.1	<0.1	23	1,437	4,060
Pakistan	225.4	28	6	2.2	-1	286.8	346.9	60	6.2	3.7	10	7	17	10	34	23	—	36	5	69	67	71	<0.1	<0.1	37	739	4,770
Sri Lanka	22.1	14	6	0.8	-2	21.9	20.4	9	2.5	1.8	7	5	14	13	65	54	74	25	8	77	74	80	<0.1	<0.1	19	1,609	12,870



Southeast Asia

	Population (millions) mid-2021	Births per 1,000 Population	Deaths per 1,000 Population	Rate of Natural Increase (%)	Net Migration Rate	Population (millions)		Infant Mortality Rate ^a	Total Fertility Rate ^b		Percent of All Births to Mothers Ages 15-19		Percent of All Births to Mothers Ages 35+		Family Planning Among Married Women Ages 15-49 ^d			Percent of Population		Life Expectancy at Birth (Years)			Youth Ages 15-24 With HIV/AIDS (%)		Urban Population (%)	Population per km ² of Arable Land	GNI per Capita, PPP ^f
						mid-2035	mid-2050		1990	2020 ^c	1990	2020 ^c	1990	2020 ^c	Using All Methods (%)	Using Modern Methods (%)	Demand Satisfied by Modern Methods (%) ^e	Ages <15	Ages 65+	Total	Males	Females	Males	Females			
ASIA	4,651	16	7	0.9	-0	5,043	5,192	26	3.2	1.9	11	5	9	12	64	57	—	24	9	74	72	76	—	—	52	932	13,584
Southeast Asia	671	17	7	1.0	-1	743	786	20	3.3	2.1	11	9	13	16	63	55	73	24	7	73	70	76	0.2	<0.1	50	921	11,980
Brunei	0.5	13	4	1.0	0	0.5	0.5	8	3.3	1.8	6	2	14	21	—	—	—	20	6	77	76	78	—	—	78	11,267	66,460
Cambodia	15.7	21	6	1.5	-2	18.2	20.2	21	5.6	2.4	9	11	18	8	56	39	56	31	5	70	68	72	0.2	0.2	24	404	4,250
Indonesia	275.1	16	7	0.9	-1	301.6	318.4	21	3.0	2.1	15	9	11	17	64	57	77	23	6	73	70	75	0.2	0.1	55	1,046	11,750
Laos	7.5	23	7	1.6	-2	8.7	9.6	51	6.2	2.7	13	14	15	9	54	49	72	32	4	66	65	68	0.1	0.1	36	482	7,790
Malaysia	32.8	15	5	1.0	2	37.1	40.4	6	3.6	1.8	3	3	16	22	52	34	—	23	7	75	73	78	0.1	<0.1	76	3,970	27,370
Myanmar	55.5	20	9	1.1	-0	60.8	63.1	42	3.4	2.3	9	7	18	20	52	51	75	27	6	66	61	71	—	—	30	505	4,650
Philippines	110.2	22	6	1.6	-1	129.0	143.4	18	4.3	2.5	8	13	16	17	54	40	57	30	6	71	67	76	0.2	<0.1	47	1,971	9,040
Singapore	5.7	9	5	0.3	-6	6.1	6.2	1.8	1.7	1.1	2	1	12	25	—	—	—	15	15	84	81	86	<0.1	<0.1	100	1,012,152	86,480
Thailand	66.7	9	8	0.1	0	67.3	64.1	6	2.1	1.4	14	14	10	14	73	71	88	17	12	77	74	81	0.4	0.2	59	397	17,730
Timor-Leste	1.3	26	8	1.9	-4	1.7	2.0	30	5.5	3.6	7	6	16	15	26	24	47	38	5	70	68	72	<0.1	<0.1	31	853	4,490
Vietnam	100.2	16	6	1.0	-0	111.6	118.0	14	3.6	2.1	6	6	12	12	77	67	—	23	8	74	71	76	<0.1	<0.1	37	1,477	8,200



East Asia

	Population (millions) mid-2021	Births per 1,000 Population	Deaths per 1,000 Population	Rate of Natural Increase (%)	Net Migration Rate	Population (millions)		Infant Mortality Rate ^a	Total Fertility Rate ^b		Percent of All Births to Mothers Ages 15-19		Percent of All Births to Mothers Ages 35+		Family Planning Among Married Women Ages 15-49 ^d			Percent of Population		Life Expectancy at Birth (Years)			Youth Ages 15-24 With HIV/AIDS (%)		Urban Population (%)	Population per km ² of Arable Land	GNI per Capita, PPP ^f
						mid-2035	mid-2050		1990	2020 ^c	1990	2020 ^c	1990	2020 ^c	Using All Methods (%)	Using Modern Methods (%)	Demand Satisfied by Modern Methods (%) ^e	Ages <15	Ages 65+	Total	Males	Females	Males	Females			
ASIA	4,651	16	7	0.9	-0	5,043	5,192	26	3.2	1.9	11	5	9	12	64	57	—	24	9	74	72	76	—	—	52	932	13,584
East Asia	1,650	8	7	0.1	-0	1,622	1,485	8	2.2	1.3	5	2	4	13	81	77	—	17	15	78	76	80	—	—	67	1,277	20,907
China	1,412.3	8	7	0.1	-0	1,383.8	1,266.5	9	2.3	1.3	5	2	4	12	85	81	—	18	14	77	75	79	—	—	64	1,182	17,200
China, Hong Kong SAR ^h	7.5	6	7	-0.1	-5	7.9	7.9	1.5	1.3	0.9	2	0	11	37	67	65	—	12	18	85	83	88	—	—	100	248,367	62,510
China, Macao SAR ^h	0.7	8	3	0.5	0	0.8	0.8	1	1.7	0.9	1	0	10	21	—	—	—	13	13	84	81	87	—	—	100	—	117,340
Japan	125.4	7	11	-0.4	0	123.6	109.9	1.8	1.6	1.3	1	1	8	30	40	33	—	12	29	84	81	87	<0.1	<0.1	92	3,040	43,760
Korea, North	25.9	14	9	0.4	-0	26.8	26.6	12	2.3	1.9	1	0	3	4	70	69	90	20	9	73	69	76	—	—	62	1,135	—
Korea, South	51.8	5	6	-0.1	1	51.6	47.7	2.7	1.6	0.8	1	0	2	33	82	—	—	12	17	83	80	86	—	—	86	3,799	43,480
Mongolia	3.4	23	5	1.8	0	4.2	5.1	13	4.1	2.9	6	5	10	19	48	45	64	32	4	71	67	76	<0.1	<0.1	68	257	10,930
Taiwan	23.5	7	7	0.0	-1	22.7	20.4	4.2	1.7	1.0	5	1	4	33	—	—	—	13	16	81	78	84	—	—	79	3,977	57,470



Northern Europe

	Population (millions) mid-2021	Births per 1,000 Population	Deaths per 1,000 Population	Rate of Natural Increase (%)	Net Migration Rate	Population (millions)		Infant Mortality Rate ^a	Total Fertility Rate ^b		Percent of All Births to Mothers Ages 15-19		Percent of All Births to Mothers Ages 35+		Family Planning Among Married Women Ages 15-49 ^d			Percent of Population		Life Expectancy at Birth (Years)			Youth Ages 15-24 With HIV/AIDS (%)		Urban Population (%)	Population per km ² of Arable Land	GNI per Capita, PPP ^f
						mid-2035	mid-2050		1990	2020 ^c	1990	2020 ^c	1990	2020 ^c	Using All Methods (%)	Using Modern Methods (%)	Demand Satisfied by Modern Methods (%) ^e	Ages <15	Ages 65+	Total	Males	Females	Males	Females			
EUROPE	744	9	12	-0.3	2	742	731	4	1.7	1.5	9	3	8	24	69	59	—	16	19	78	75	81	—	—	75	272	39,812
European Union	445	9	12	-0.3	2	447	442	3	1.6	1.5	6	2	9	27	69	—	—	15	21	81	78	83	—	—	75	448	46,515
Northern Europe	106	10	10	0.0	3	111	115	3	1.9	1.6	7	2	10	24	77	72	—	18	19	81	79	83	—	—	83	564	50,810
Channel Islands	0.2	10	8	0.2	6	0.2	0.2	5.8	1.5	1.5	4	2	12	20	—	—	—	15	18	83	81	85	—	—	31	4,825	—
Denmark	5.8	10	9	0.1	2	6.1	6.3	3.2	1.7	1.7	3	0	9	20	—	—	—	16	20	82	80	84	<0.1	<0.1	88	244	62,180
Estonia	1.3	10	12	-0.2	3	1.3	1.1	1.4	1.9	1.6	11	1	7	26	63	58	—	16	20	79	74	83	<0.1	<0.1	69	192	37,940
Finland	5.5	8	10	-0.1	3	5.6	5.4	1.8	1.8	1.4	3	1	14	25	86	82	—	16	23	82	79	84	—	—	86	247	51,650
Iceland	0.4	12	6	0.6	6	0.4	0.4	1.7	2.3	1.7	7	1	11	19	—	—	—	19	15	83	81	84	<0.1	<0.1	94	306	59,590
Ireland	5.0	11	6	0.5	6	5.6	6.1	2.7	2.2	1.6	5	1	18	39	73	71	—	20	14	82	80	83	<0.1	<0.1	63	1,140	69,190
Latvia	1.9	9	16	-0.7	-2	1.6	1.4	3.4	2.0	1.5	12	3	7	23	—	—	—	16	21	76	71	80	—	—	80	143	31,590
Lithuania	2.8	9	16	-0.7	7	2.5	2.1	2.8	2.0	1.4	9	2	7	18	69	52	—	15	20	76	72	81	—	—	67	126	37,420
Norway	5.4	10	8	0.2	2	5.8	6.0	1.7	1.9	1.5	4	1	9	21	88 ^g	82 ^g	—	17	18	83	81	85	—	—	82	675	66,020
Sweden	10.4	11	9	0.1	3	11.0	11.7	2.4	2.0	1.7	3	1	12	22	—	—	—	18	20	82	81	84	—	—	88	409	56,270
United Kingdom	67.5	10	10	0.0	3	70.9	73.9	4.0	1.8	1.6	8	3	9	24	76	71	84	18	19	81	79	83	—	—	84	1,110	47,620



Western Europe

	Population (millions) mid-2021	Births per 1,000 Population	Deaths per 1,000 Population	Rate of Natural Increase (%)	Net Migration Rate	Population (millions)		Infant Mortality Rate ^a	Total Fertility Rate ^b		Percent of All Births to Mothers Ages 15-19		Percent of All Births to Mothers Ages 35+		Family Planning Among Married Women Ages 15-49 ^d			Percent of Population		Life Expectancy at Birth (Years)			Youth Ages 15-24 With HIV/AIDS (%)		Urban Population (%)	Population per km ² of Arable Land	GNI per Capita, PPP ^f
						mid-2035	mid-2050		1990	2020 ^c	1990	2020 ^c	1990	2020 ^c	Using All Methods (%)	Using Modern Methods (%)	Demand Satisfied by Modern Methods (%) ^e	Ages <15	Ages 65+	Total	Males	Females	Males	Females			
EUROPE	744	9	12	-0.3	2	742	731	4	1.7	1.5	9	3	8	24	69	59	—	16	19	78	75	81	—	—	75	272	39,812
European Union	445	9	12	-0.3	2	447	442	3	1.6	1.5	6	2	9	27	69	—	—	15	21	81	78	83	—	—	75	448	46,515
Western Europe	196	10	11	-0.1	3	203	205	3	1.5	1.6	3	1	10	26	72	—	—	15	21	82	79	84	—	—	80	585	55,072
Austria	8.9	9	10	-0.1	4	9.3	9.6	3.1	1.5	1.4	6	2	7	24	79	—	—	14	19	81	79	84	—	—	59	675	58,940
Belgium	11.5	10	11	-0.1	4	12.1	12.5	3.7	1.6	1.6	3	1	7	24	67	65	—	17	19	82	80	84	—	—	98	1,345	55,370
France	65.3	11	10	0.1	2	67.9	69.1	3.4	1.8	1.8	2	1	12	26	78	73	—	18	21	82	79	85	—	—	81	361	50,400
Germany	83.1	9	12	-0.3	3	83.9	83.2	3.1	1.3	1.5	3	1	8	29	67 ^g	—	—	14	22	81	79	83	<0.1	<0.1	77	710	55,220
Liechtenstein	0.04	9	7	0.2	7	0.04	0.04	3.7	—	1.5	—	—	—	—	—	—	—	14	19	83	81	86	—	—	14	2,649	—
Luxembourg	0.6	10	7	0.3	12	0.7	0.8	4.5	1.6	1.4	3	1	9	30	—	—	—	16	15	82	80	85	—	—	91	1,031	74,310
Monaco	0.04	7	7	0.0	1	0.04	0.04	—	1.1	1.5	3	4	21	20	—	—	—	13	26	—	—	—	—	—	100	—	—
Netherlands	17.5	10	10	0.0	4	18.8	19.5	3.6	1.6	1.6	2	1	10	19	73	70	—	16	19	82	80	84	<0.1	<0.1	92	1,731	59,700
Switzerland	8.7	10	9	0.1	7	9.7	10.4	3.3	1.5	1.5	2	1	10	31	72	67	—	15	19	83	81	85	<0.1	<0.1	85	2,180	73,620



Eastern Europe

	Population (millions) mid-2021	Births per 1,000 Population	Deaths per 1,000 Population	Rate of Natural Increase (%)	Net Migration Rate	Population (millions)		Infant Mortality Rate ^a	Total Fertility Rate ^b		Percent of All Births to Mothers Ages 15-19		Percent of All Births to Mothers Ages 35+		Family Planning Among Married Women Ages 15-49 ^d			Percent of Population		Life Expectancy at Birth (Years)			Youth Ages 15-24 With HIV/AIDS (%)		Urban Population (%)	Population per km ² of Arable Land	GNI per Capita, PPP ^f
						mid-2035	mid-2050		1990	2020 ^c	1990	2020 ^c	1990	2020 ^c	Using All Methods (%)	Using Modern Methods (%)	Demand Satisfied by Modern Methods (%) ^e	Ages <15	Ages 65+	Total	Males	Females	Males	Females			
EUROPE	744	9	12	-0.3	2	742	731	4	1.7	1.5	9	3	8	24	69	59	—	16	19	78	75	81	—	—	75	272	39,812
European Union	445	9	12	-0.3	2	447	442	3	1.6	1.5	6	2	9	27	69	—	—	15	21	81	78	83	—	—	75	448	46,515
Eastern Europe	290	9	15	-0.5	1	278	266	5	1.8	1.4	14	4	7	18	67	53	—	17	17	73	69	78	—	—	70	150	26,714
Belarus	9.3	9	13	-0.4	1	9.3	9.3	2.5	1.9	1.4	11	3	5	17	53	46	66	17	16	75	69	79	<0.1	<0.1	78	163	19,320
Bulgaria	6.9	9	18	-1.0	4	6.3	5.8	5.1	1.8	1.6	21	10	3	17	69	40	—	14	22	75	71	78	—	—	73	198	23,780
Czechia	10.7	10	12	-0.2	3	10.8	10.8	2.3	1.9	1.7	14	2	4	22	86	78	86	16	20	79	76	82	—	—	74	430	40,360
Hungary	9.7	9	14	-0.5	1	9.5	9.2	3.4	1.8	1.6	13	6	6	23	62	54	—	15	20	76	73	79	—	—	71	224	33,070
Moldova	3.5	9	10	-0.1	-0	3.3	2.9	9	2.4	1.2	13	7	7	12	56	44	—	16	12	71	67	75	0.2	0.1	43	208	13,520
Poland	38.2	9	13	-0.4	0	37.0	35.1	3.6	2.0	1.3	8	2	9	20	62	—	—	15	19	78	74	82	—	—	60	345	33,220
Romania	19.2	8	13	-0.5	1	17.8	16.2	6.1	1.9	1.3	15	9	7	16	70	51	—	16	19	76	72	79	<0.1	<0.1	54	214	31,410
Russia	145.8	10	15	-0.6	2	142.4	140.4	4.5	1.9	1.5	14	3	7	18	68	55	72	18	15	72	66	76	—	—	75	120	27,550
Slovakia	5.5	10	11	0.0	1	5.4	5.1	5.1	2.0	1.6	13	6	5	19	—	—	—	16	17	77	73	80	—	—	54	404	31,290
Ukraine	41.4	7	15	-0.8	0	36.3	30.7	6.7	1.2	1.1	17	5	5	16	65	48	68	15	17	72	67	77	0.1	0.1	69	126	13,260



Southern Europe

	Population (millions) mid-2021	Births per 1,000 Population	Deaths per 1,000 Population	Rate of Natural Increase (%)	Net Migration Rate	Population (millions)		Infant Mortality Rate ^a	Total Fertility Rate ^b		Percent of All Births to Mothers Ages 15-19		Percent of All Births to Mothers Ages 35+		Family Planning Among Married Women Ages 15-49 ^d			Percent of Population		Life Expectancy at Birth (Years)			Youth Ages 15-24 With HIV/AIDS (%)		Urban Population (%)	Population per km ² of Arable Land	GNI per Capita, PPP ^f
						mid-2035	mid-2050		1990	2020 ^c	1990	2020 ^c	1990	2020 ^c	Using All Methods (%)	Using Modern Methods (%)	Demand Satisfied by Modern Methods (%) ^e	Ages <15	Ages 65+	Total	Males	Females	Males	Females			
EUROPE	744	9	12	-0.3	2	742	731	4	1.7	1.5	9	3	8	24	69	59	—	16	19	78	75	81	—	—	75	272	39,812
European Union	445	9	12	-0.3	2	447	442	3	1.6	1.5	6	2	9	27	69	—	—	15	21	81	78	83	—	—	75	448	46,515
Southern Europe	152	7	12	-0.5	2	150	145	3	1.5	1.3	6	2	10	34	63	51	—	14	21	81	79	84	<0.1	<0.1	73	547	37,476
Albania	2.8	10	10	0.0	0	2.7	2.3	10.3	3.0	1.3	3	5	8	7	46	4	6	17	15	79	78	81	<0.1	<0.1	61	462	13,580
Andorra	0.08	7	5	0.2	5	0.08	0.08	0.6	—	1.0	—	—	—	—	—	—	—	13	14	—	—	—	—	—	88	9,802	—
Bosnia-Herzegovina	3.5	7	12	-0.5	-0	3.2	2.9	6	1.8	1.2	8	3	7	16	46	12	22	15	18	77	74	79	—	—	49	342	15,660
Croatia	4.0	9	15	-0.6	2	3.7	3.4	4.0	1.6	1.5	8	2	7	23	—	—	—	14	21	79	75	82	<0.1	<0.1	57	489	28,630
Greece	10.7	8	12	-0.4	3	10.1	9.5	3.7	1.4	1.3	8	2	8	32	—	—	—	14	22	82	79	84	<0.1	<0.1	79	501	30,620
Italy	59.0	7	13	-0.6	-1	57.8	54.7	2.8	1.3	1.2	3	2	12	35	65 ^g	52 ^g	—	13	24	82	80	84	<0.1	<0.1	71	854	42,270
Kosovo ^h	1.8	10	6	0.4	-12	1.8	1.6	8	—	1.6	—	—	—	—	67	9	13	25	9	77	74	79	—	—	39	—	11,650
Malta	0.5	9	7	0.1	40	0.6	0.7	6.7	2.0	1.1	3	3	14	23	—	—	—	13	18	83	80	85	—	—	95	6,035	38,800
Montenegro	0.6	12	11	0.1	1	0.6	0.7	2.4	2.1	1.8	7	3	9	19	21	12	28	18	16	77	74	80	<0.1	<0.1	67	6,905	20,870
North Macedonia	2.1	9	12	-0.3	0	2.1	2.0	6	2.2	1.3	11	5	5	17	60	14	20	16	15	76	74	78	—	—	58	492	16,280
Portugal	10.3	8	12	-0.4	4	10.2	9.5	2.4	1.5	1.4	9	2	9	30	74 ^g	67 ^g	—	13	21	81	78	84	<0.1	<0.1	73	1,121	33,980
San Marino	0.03	7	10	-0.4	5	0.03	0.03	4.3	—	1.1	—	—	—	—	—	—	—	14	19	85	83	87	—	—	97	1,694	—
Serbia	6.8	9	17	-0.8	-1	6.4	5.9	5.0	2.1	1.5	10	4	8	21	62	21	30	14	21	74	71	77	<0.1	<0.1	60	265	18,650
Slovenia	2.1	9	10	-0.1	8	2.1	2.1	2.1	1.5	1.6	9	1	5	22	—	—	—	15	21	81	78	83	<0.1	<0.1	55	1,166	40,530
Spain	47.4	7	10	-0.3	5	48.4	50.0	2.7	1.3	1.2	5	2	11	42	62	60	—	14	20	82	80	85	0.2	<0.1	81	401	42,250



Oceania

	Population (millions) mid-2021	Births per 1,000 Population	Deaths per 1,000 Population	Rate of Natural Increase (%)	Net Migration Rate	Population (millions)		Infant Mortality Rate ^a	Total Fertility Rate ^b		Percent of All Births to Mothers Ages 15-19		Percent of All Births to Mothers Ages 35+		Family Planning Among Married Women Ages 15-49 ^d			Percent of Population		Life Expectancy at Birth (Years)			Youth Ages 15-24 With HIV/AIDS (%)		Urban Population (%)	Population per km ² of Arable Land	GNI per Capita, PPP ^f
						mid-2035	mid-2050		1990	2020 ^c	1990	2020 ^c	1990	2020 ^c	Using All Methods (%)	Using Modern Methods (%)	Demand Satisfied by Modern Methods (%) ^e	Ages <15	Ages 65+	Total	Males	Females	Males	Females			
OCEANIA	43	16	7	0.9	1	53	62	16	2.5	2.2	8	6	13	23	60	57	—	23	13	78	76	80	<0.1	0.2	67	137	37,702
Australia	25.8	11	6	0.5	0	31.3	36.5	3.2	1.9	1.6	5	3	10	26	67	65	—	19	16	83	81	85	<0.1	<0.1	86	84	51,420
Federated States of Micronesia	0.1	23	5	1.8	-15	0.1	0.1	22	5.0	3.0	8	3	17	16	—	—	—	31	4	68	66	70	—	—	23	5,288	4,100
Fiji	0.9	18	8	1.0	-6	0.9	0.9	13	3.4	2.9	11	10	8	17	—	—	—	29	6	70	68	72	<0.1	<0.1	56	545	10,910
French Polynesia	0.3	14	6	0.8	-4	0.3	0.3	10.1	3.4	1.8	12	10	10	19	—	—	—	22	8	77	75	79	—	—	51	11,277	—
Guam	0.2	18	6	1.2	-3	0.2	0.2	11.4	3.0	2.7	13	7	8	15	—	—	—	27	10	76	74	79	—	—	94	17,833	—
Kiribati	0.1	26	8	1.8	-1	0.1	0.2	41	4.7	3.3	6	2	17	18	34	27	54	36	4	69	64	73	—	—	57	6,037	4,250
Marshall Islands	0.06	24	4	2.0	-21	0.05	0.05	23	—	2.7	—	—	—	—	45	42	81	37	3	72	71	73	—	—	78	2,755	5,130
Nauru	0.01	32	8	2.4	-9	0.01	0.01	25	—	3.9	—	—	—	—	36	25	43	38	2	61	58	61	—	—	100	—	20,770
New Caledonia	0.3	15	6	0.9	-1	0.3	0.3	5	3.0	1.9	10	4	11	23	—	—	—	22	9	77	75	80	—	—	71	4,564	—
New Zealand	5.1	11	6	0.5	9	5.8	6.3	4.0	2.1	1.6	8	4	9	22	80 ^g	75 ^g	—	19	16	82	80	84	<0.1	<0.1	84	943	43,950
Palau	0.02	13	9	0.4	-3	0.02	0.02	12	—	2.2	—	—	—	—	—	—	—	20	10	73	68	78	—	—	80	6,000	19,530
Papua New Guinea	9.1	28	10	1.8	0	11.8	15.1	33	4.8	4.0	12	10	17	19	37	31	49	36	3	66	63	68	0.2	0.4	13	3,047	4,240
Samoa	0.2	26	5	2.1	-16	0.2	0.2	15	5.1	4.1	6	4	20	19	17	—	29	39	5	75	74	76	—	—	18	628	6,480
Solomon Islands	0.7	30	5	2.5	-3	1.0	1.3	19	5.9	4.1	13	12	15	17	29	24	38	39	4	73	71	75	—	—	24	3,640	2,680
Tonga	0.1	22	6	1.6	-20	0.1	0.09	10	4.6	3.2	5	3	19	21	29	25	49	35	6	72	69	75	—	—	23	498	6,980
Tuvalu	0.01	26	9	1.7	-9	0.01	0.01	10	—	3.3	—	—	—	—	31	22	41	32	7	70	67	72	—	—	62	—	6,430
Vanuatu	0.3	27	4	2.3	0	0.4	0.5	21	4.9	4.0	10	8	15	16	49	37	51	38	4	71	69	72	—	—	25	1,503	2,880

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