

V. Transport and Communications

Snapshot

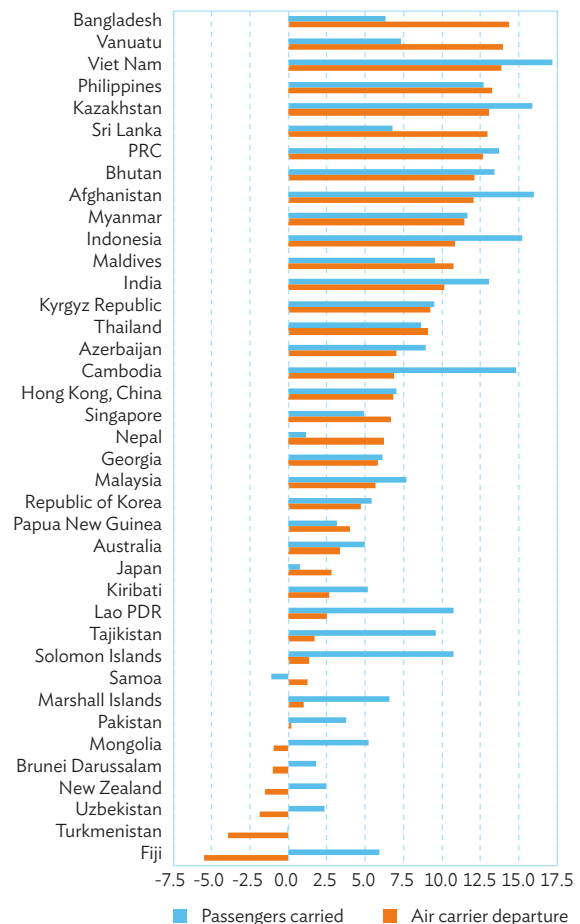
- From 2000 to 2017, air carrier departures and the total number of passengers carried across Asia and the Pacific grew faster than the global averages for these two measures.
- In 2016, three of the world's top five developing economies in terms of mobile phone subscriptions were located in Asia and the Pacific—the People's Republic of China (PRC), India, and Indonesia, together accounting for 38% of total global subscriptions.

Key Trends

From 2000 to 2017, air carrier departures and the total number of passengers carried across Asia and the Pacific grew faster than the global averages for these two measures. On average, air carrier departures in the region increased by 7.6% annually, while the total number of passengers carried increased by 8.4% annually, for economies with data available for both 2000 and 2017 (Figure 2.5.1). The growth of air travel in the region grew faster than the global average over this period. Based on the World Bank's World Development Indicators database, global air carrier departures and the total number of passengers carried increased by annual averages of 2.9% and 5.2%, respectively. Afghanistan, Bhutan, India, Indonesia, Kazakhstan, Myanmar, Philippines, the PRC, and Viet Nam were among the economies in which air carrier departures and the total number of passengers carried both grew by an average of more than 10% per year.

In 2016, three of the world's top five developing economies in terms of mobile phone subscriptions were located in Asia and the Pacific—the PRC, India, and Indonesia. The PRC (1,365 million subscriptions) and India (1,128 million) led the world in terms of mobile phone subscriptions in 2016 (Figure 2.5.2). Together with Indonesia (385.6 million), these economies accounted for 38.3% of the global total for subscriptions (Table 2.5.8). Other

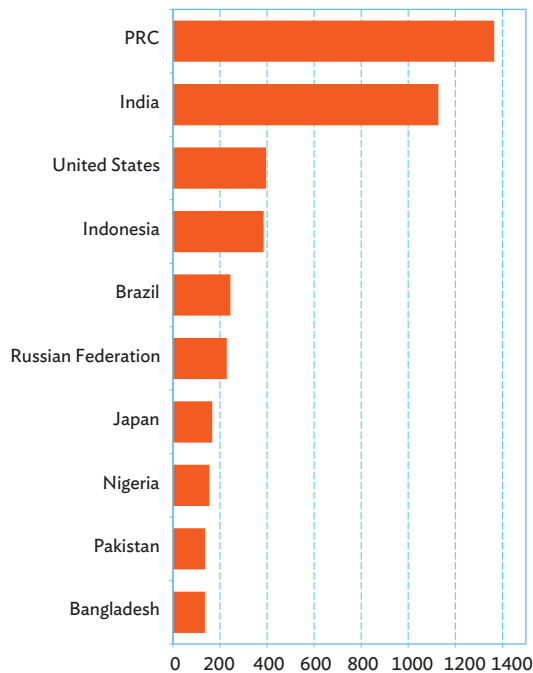
Figure 2.5.1: Annual Change in Air Carrier Departures and Number of Passengers Carried, 2000–2017 (%)



Lao PDR = Lao People's Democratic Republic, PRC = People's Republic of China.
Source: Table 2.5.6, Key Indicators for Asia and the Pacific 2018.

[Click here for figure data](#)

Figure 2.5.2: World's Highest Number of Mobile Phone Subscriptions, 2016
(million)



PRC = People's Republic of China.

Source: International Telecommunication Union.

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economies in Asia and the Pacific with more than 100 million mobile phone subscriptions in 2016 included Japan (166.8 million), Pakistan (136.5 million), and Bangladesh (135.9 million).

In terms of mobile phone subscriptions per 100 people, Hong Kong, China (240.8); Maldives (189.9); and Thailand (173.8) led all economies in the region in 2016. The Federated States of Micronesia (22.3), Kiribati (45.5), and Papua New Guinea (46.8) had the lowest subscription rates (Table 2.5.9).

Data Issues and Comparability

Issues with the data organization, collection, compilation, and dissemination affect the availability, quality, and timeliness of road statistics. Some regions, especially the Pacific, have incomplete or no data. The most recent road data are usually 2–3 years old at the time of review.

Most data on telephone and internet subscriptions come from questionnaires sent by the International Telecommunication Union to participating economies. Other information and reports are sourced from national ministries in charge of telecommunications, and staff estimates.

Transport

Table 2.5.1: Road Indicators—Network^a
(km)

ADB Regional Member	Primary	Class I	Class II	Class III	Below III	Other	Total ^b	Year ^c
Developing ADB Member Economies								
Central and West Asia								
Afghanistan	...	10	2,549	...	1,461	...	4,020	2015
Armenia	...	147	721	58	40	...	966	2013
Azerbaijan	...	544	905	...	...	...	1,449	2017
Georgia	...	90	1,058	...	...	...	1,148	2017
Kazakhstan	...	557	5,407	6,389	475	...	12,828	2010
Kyrgyz Republic	303	1,324	136	...	1,763	2013
Pakistan	357	1,116	275	2,442	1,138	...	5,328	2015
Tajikistan	...	20	978	...	914	...	1,912	2015
Turkmenistan	...	60	...	2,120	24	...	2,204	2008
Uzbekistan	...	1,195	1,101	670	...	...	2,966	2008
East Asia								
China, People's Republic of ^d	8,437	230	1,855	321	5	...	10,847	2015
Hong Kong, China
Korea, Republic of	457	423	40	...	...	...	920	2017
Mongolia	...	8	2,593	233	1,480	...	4,313	2017
Taipei, China
South Asia								
Bangladesh	...	321	1,680	44	5	...	2,050	2017
Bhutan	...	7	116	...	47	...	170	2017
India	90	7,067	1,071	3,556	117	...	11,901	2015
Maldives
Nepal	218	1,082	13	...	1,313	2013
Sri Lanka	...	60	545	45	...	...	650	2017
Southeast Asia								
Brunei Darussalam
Cambodia	633	1,321	...	...	1,954	2017
Indonesia	409	603	3,045	...	...	34	4,091	2010
Lao People's Democratic Republic	244	2,307	306	...	2,857	2010
Malaysia	795	61	817	...	...	...	1,673	2010
Myanmar	...	320	575	1,702	1,928	...	4,525	2015
Philippines	...	665	2,048	687	...	...	3,400	2017
Singapore	13	6	...	...	...	...	19	2015
Thailand	572	4,075	848	26	...	...	5,523	2017
Viet Nam	...	1,202	1,915	...	...	...	3,117	2017
The Pacific								
Cook Islands
Fiji
Kiribati
Marshall Islands
Micronesia, Federated States of
Nauru
Palau
Papua New Guinea
Samoa
Solomon Islands
Timor-Leste
Tonga
Tuvalu
Vanuatu
Developed ADB Member Economies								
Australia
Japan	1,138	...	...	...	...	...	1,138	2015
New Zealand

... = data not available, ADB = Asian Development Bank, km = kilometer.

a The road network refers to the Asian Highway that consists of highway routes of international importance within Asia, including highway routes substantially crossing more than one subregion; highway routes within subregions that connected neighboring subregions; and highway routes located within member states that provide access to (a) capital cities; (b) main industrial and agricultural centers; (c) major air, sea, and river ports; (d) major container terminals and depots; and (e) major tourist attractions.

“Primary” class in the classification refers to access-controlled motorways. Access-controlled motorways are used exclusively by automobiles. Motorcycles, bicycles, and pedestrians will not be allowed to enter the motorway to ensure traffic safety and the high running speed of automobiles.

Class I refers to asphalt, cement, or concrete roads with four or more lanes.

Class II refers to double bituminous treated roads with two lanes.

Class III is also regarded as the minimum desirable standard usually described as a two-lane (narrow) road.

Roads classified below class III are road sections below the minimum desirable standard.

b Sum of reported available data.

c The year data was received by the Secretariat of the United Nations Economic and Social Commission for Asia and the Pacific.

d Estimates for 2015 do not include approximately 15,400 km of potential Asian Highway routes.

Source: United Nations Economic and Social Commission for Asia and the Pacific. ESCAP Online Statistical Database. http://data.unescap.org/escap_stat/ (accessed 9 July 2018).

[Click here for table data](#)

Table 2.5.2: Road Indicators—Vehicles

ADB Regional Member	Number of Registered Vehicles, 2013						
	Total	(per 1000 people) ^b	By Type ^a				
			Four-Wheeled Vehicles	Two- and Three-Wheeled Vehicles	Heavy Trucks	Buses	Others
Developing ADB Member Economies							
Central and West Asia							
Afghanistan	655,357	23.8	407,608	68,090	81,416	20,589	77,654
Armenia	300,091 (2010)	98.6	247,723	28	40,924	11,396	20
Azerbaijan	1,135,936 (2012)	122.3	958,594	2,067	130,019	29,647	15,609
Georgia	951,649	212.2	774,453	4,830	151,057	21,309	-
Kazakhstan	3,926,487	230.5	3,190,057	74,762	398,753	94,417	168,498
Kyrgyz Republic	958,187	169.2	777,847	21,696	114,853	34,561	9,230
Pakistan	9,080,437 (2011)	51.3	3,095,900	5,560,218	223,152	201,167	-
Tajikistan	411,548	50.4	353,919	4,925	36,942	15,762	-
Turkmenistan	847,874 (2014)	159.8	676,622	37,275	114,004	19,973	-
Uzbekistan	...	...	...	...	...	...	...
East Asia							
China, People's Republic of ^c	250,138,212	183.8	137,406,846	95,326,138	5,069,292	...	12,335,936
Hong Kong, China	...	...	...	...	...	...	...
Korea, Republic of	23,150,619	459.1	15,078,354	2,117,035	970,805	4,984,425	-
Mongolia	675,064	232.9	491,771	25,771	151,530	5,992	-
Taipei, China ^d	21,510,650 (2016)	914.7	6,666,006	13,668,227	1,078,467	34,531	63,419
South Asia							
Bangladesh	2,088,566 (2014)	13.3	547,423	1,336,339	141,850	59,500	3,454
Bhutan	68,173 (2014)	91.5	46,575	9,758	9,397	475	1,968
India	159,490,578 (2012)	129.1	38,338,015	115,419,175	4,056,885	1,676,503	-
Maldives	61,412	141.3	10,256	50,775	145	140	96
Nepal	1,178,911 (2011)	44.5	133,992	891,018	47,930	35,100	70,871
Sri Lanka	5,203,678	252.9	832,840	3,566,184	329,648	93,428	381,578
Southeast Asia							
Brunei Darussalam	349,279 (2010)	903.0	...	...	...	...	...
Cambodia	2,457,569	167.4	67,645	2,068,937	45,625	4,473	270,889
Indonesia	104,211,132	418.8	10,838,592	86,253,257	5,156,362	1,962,921	-
Lao People's Democratic Republic	1,439,481	...	276,493	1,120,673	38,454	3,861	-
Malaysia	23,819,256	796.2	10,689,450	11,087,878	1,116,167	62,784	862,977
Myanmar	4,310,112 (2014)	82.9	386,049	3,712,220	127,947	22,253	61,643
Philippines	7,690,038	78.3	3,009,116	4,250,667	358,445	31,665	40,145
Singapore	974,170	180.4	763,008	144,934	48,719	17,065	444
Thailand	32,476,977 (2012)	488.4	11,829,221	19,169,418	901,014	137,609	439,715
Viet Nam	40,790,841	454.4	798,592	38,643,091	696,316	111,030	541,812
The Pacific							
Cook Islands	12,453	669.5	5,085	6,846	491	31	-
Fiji	86,535	100.4	...	...	...	...	...
Kiribati	3,452	32.2	1,926	701	536	289	-
Marshall Islands	2,116	39.5	1,917	52	26	63	58
Micronesia, Federated States of	8,337 (2010)	81.1	7,356	96	747	138	-
Nauru	...	...	...	...	...	...	...
Palau	7,102	405.7	...	...	...	...	...
Papua New Guinea	94,297 (2014)	11.8	61,255	1,155	21,075	10,812	-
Samoa	17,449	92.1	16,243	97	873	236	-
Solomon Islands	45,000	79.5	...	...	...	...	...
Timor-Leste ^e	63,553	56.0	14,621	48,143	651	138	-
Tonga	8,154	78.8	6,039	184	1,882	49	-
Tuvalu	...	...	...	...	...	...	...
Vanuatu	14,000	52.9	...	...	...	...	...
Developed ADB Member Economies							
Australia	17,180,596	743.2	15,871,827	744,732	416,902	93,034	54,101
Japan	91,377,312	717.6	76,137,715	11,948,432	...	...	3,291,072
New Zealand	3,250,066 (2012)	737.3	2,643,624	114,930	112,856	8,286	370,370

... = data not available, - = magnitude equals zero, ADB = Asian Development Bank.

a Figures refer to the same year indicated in the column for "Total" unless otherwise specified.

b Calculated by dividing the total number of registered vehicles by the midyear population in thousands.

c The "per 1,000 people" calculation used end-of-year population data instead of midyear data.

d The "Heavy Trucks" category includes a combination of heavy and light trucks.

e There is no renewal process for vehicles in Timor-Leste; hence, 2013 data refer to the total number of vehicles from 2006 to 2013.

Sources: World Health Organization. 2015. *Global Status Report on Road Safety 2015*. Geneva; For Armenia and Brunei Darussalam: Global Status Report on Road Safety 2013. For Taipei, China: Government of Taipei, China, Directorate-General of Budget, Accounting and Statistics. 2017. *Statistical Yearbook 2016*. Nantou City.

[Click here for table data](#)

Transport

Table 2.5.3: Road Indicators—Safety

ADB Regional Member	Estimated Road Traffic Deaths, 2013		Road User Deaths, 2013 (%)					
	Total	Death Rate (per 100,000 population)	Four-Wheeled Vehicles	Two- and Three-Wheeled Vehicles		Cyclists	Pedestrians	Others
Developing ADB Member Economies								
Central and West Asia								
Afghanistan	4,734	16	...	...	...	...	...	...
Armenia	546	18	54.7	...	0.3	35.8	9.2	...
Azerbaijan	943	10	62.1	0.5	0.3	30.5	6.7	...
Georgia	514	12	44.7	3.1	0.6	24.3	27.2	...
Kazakhstan	3,983	24	60.5	2.3	1.1	22.5	13.5	...
Kyrgyz Republic	1,220	22	67.3	...	1.1	31.6	0.1	...
Pakistan	25,781	14	...	...	...	...	...	...
Tajikistan	1,543	19	62.5	...	4.2	33.3	...	...
Turkmenistan	914	17	74.7	...	1.9	23.4	...	...
Uzbekistan	3,240	11	...	...	...	...	...	...
East Asia								
China, People's Republic of	261,367	19	19.2	26.8	8.1	26.1	19.8	...
Hong Kong, China	...	...	...	...	...	...	...	...
Korea, Republic of	5,931	12	33.2	16.3	5.5	38.9	6.1	...
Mongolia	597	21	47.0	19.3	0.2	30.6	2.9	...
Taipei, China	...	...	...	...	...	...	...	...
South Asia								
Bangladesh	21,316	14	41.5	10.8	1.8	32.2	13.7	...
Bhutan	114	15	94.9	1.7	...	3.4	...	...
India	207,551	17	17.2	33.9	3.5	9.1	36.2	...
Maldives	12	4	16.7	16.7	16.7	33.3	16.7	...
Nepal	4,713	17	...	...	...	...	...	...
Sri Lanka	3,691	17	5.7	40.8	11.0	29.8	12.7	...
Southeast Asia								
Brunei Darussalam	...	...	...	...	...	...	...	...
Cambodia	2,635	17	8.5	70.4	2.3	12.7	6.1	...
Indonesia	38,279	15	6.0	36.0	2.0	21.0	35.0	...
Lao People's Democratic Republic	971	14	18.7	66.9	2.7	9.6	2.1	...
Malaysia	7,129	24	23.7	62.1	2.2	6.6	5.5	...
Myanmar	10,809	20	26.0	23.0	9.0	26.0	16.0	...
Philippines	10,379	11	25.3	52.5	2.0	19.0	1.1	...
Singapore	197	4	17.5	45.6	9.4	26.9	0.6	...
Thailand	24,237	36	13.0	72.8	2.3	8.1	3.8	...
Viet Nam	22,419	25	...	...	...	...	...	...
The Pacific								
Cook Islands	5	24	40.0	60.0	...	...	...	...
Fiji	51	6	39.0	...	2.4	58.5	...	...
Kiribati	3	3	...	...	33.3	66.7	...	...
Marshall Islands	3	6	33.3	66.7	...	...	...	...
Micronesia, Federated States of	2	2	...	...	...	...	...	...
Nauru	...	...	...	...	...	...	...	...
Palau	1	5	...	...	...	100.0	...	...
Papua New Guinea	1,232	17	48.4	...	...	29.0	22.6	...
Samoa	30	16	...	...	...	76.5	23.5	...
Solomon Islands	108	19	...	...	...	...	...	...
Timor-Leste	188	17	...	...	...	...	...	...
Tonga	8	8	62.5	...	...	37.5	...	...
Tuvalu	...	...	...	...	...	...	...	...
Vanuatu	42	17	44.4	...	...	55.6	...	...
Developed ADB Member Economies								
Australia	1,252	5	64.2	17.9	4.2	13.2	0.6	...
Japan	5,971	5	32.4	17.4	13.7	36.2	0.3	...
New Zealand	272	6	65.7	15.4	3.1	11.8	3.9	...

... = data not available, - = magnitude equals zero, ADB = Asian Development Bank.

Source: World Health Organization. 2015. *Global Status Report on Road Safety 2015*. Geneva.

[Click here for table data](#)

Table 2.5.4: Rail Indicators

ADB Regional Member	Rail Lines, Total Route (km)				Rail Network, Length per Land Area (km per km ² '000)			
	2000	2005	2010	2016	2000	2005	2010	2016
Developing ADB Member Economies								
Central and West Asia								
Afghanistan	...	...	...	...	...	...	...	...
Armenia	842.0	732.0	826.0	679.4	29.6	25.7	29.0	23.9
Azerbaijan	2,116.0	2,122.0	2,079.0	2,074.0	25.6	25.7	25.2	25.1
Georgia	1,562.0	1,513.0 (2007)	1,566.0	1,415.0	22.5	21.8 (2007)	22.5	20.4
Kazakhstan	13,545.0	14,204.0	14,202.0	15,529.8	5.0	5.3	5.3	5.8
Kyrgyz Republic	...	417.0 (2007)	417.0	424.0	...	2.2 (2007)	2.2	2.2
Pakistan	7,791.0	7,791.0	7,791.0	9,255.0 (2015)	10.1	10.1	10.1	12.0 (2015)
Tajikistan	...	616.0	621.0	597.0	...	4.4	4.4	4.3
Turkmenistan	...	2,529.0	3,115.0	3,115.0	...	5.4	6.6	6.6
Uzbekistan	3,645.0	4,014.0	4,227.0	4,304.0	8.6	9.4	9.9	10.1
East Asia								
China, People's Republic of	58,656.0	62,200.0	66,239.0	67,092.0	6.2	6.6	7.1	7.1
Hong Kong, China	...	...	...	...	...	...	...	...
Korea, Republic of	3,123.0	3,392.0	3,379.0	4,071.0	32.4	35.0	34.8	41.8
Mongolia	1,810.0	1,810.0	1,814.0	1,810.0	1.2	1.2	1.2	1.2
Taipei, China ^a	1,125.0	1,118.0	1,460.0	1,468.0	75.6	72.8	88.8	88.3 (2015)
South Asia								
Bangladesh	2,768.0	2,855.0	2,835.0	2,835.0 (2014)	21.3	21.9	21.8	21.8 (2014)
Bhutan	...	...	...	...	...	...	...	...
India	62,759.0	63,465.0	63,974.0	66,030.0 (2015)	21.1	21.3	21.5	22.2 (2015)
Maldives	...	...	...	...	...	...	...	...
Nepal	...	...	...	...	...	...	...	...
Sri Lanka	...	1,449.0 (2004)	1,463.0 (2008)	...	...	23.1 (2004)	23.3 (2008)	...
Southeast Asia								
Brunei Darussalam	...	...	...	...	...	...	...	...
Cambodia	601.0	650.0	...	...	3.4	3.7	...	...
Indonesia	...	...	4,684.0 (2012)	4,684.0 (2014)	...	...	2.6 (2012)	2.6 (2014)
Lao People's Democratic Republic	...	...	...	...	...	...	...	...
Malaysia	1,622.0	1,657.0	1,665.0	2,250.0 (2014)	4.9	5.0	5.1	6.8 (2014)
Myanmar	...	...	...	...	...	...	...	...
Philippines	491.0	491.0 (2004)	479.0 (2008)	...	1.6	1.6 (2004)	1.6 (2008)	...
Singapore	...	...	...	...	...	...	...	...
Thailand	4,103.0	4,044.0 (2004)	4,429.0	5,327.0 (2014)	8.0	7.9 (2004)	8.7	10.4 (2014)
Viet Nam	2,545.0 (2002)	2,671.0	2,347.0	2,347.0	8.2 (2002)	8.6	7.6	7.6
The Pacific								
Cook Islands	...	...	...	...	...	...	...	...
Fiji	...	...	...	...	...	...	...	...
Kiribati	...	...	...	...	...	...	...	...
Marshall Islands	...	...	...	...	...	...	...	...
Micronesia, Federated States of	...	...	...	...	...	...	...	...
Nauru	...	...	...	...	...	...	...	...
Palau	...	...	...	...	...	...	...	...
Papua New Guinea	...	...	...	...	...	...	...	...
Samoa	...	...	...	...	...	...	...	...
Solomon Islands	...	...	...	...	...	...	...	...
Timor-Leste	...	...	...	...	...	...	...	...
Tonga	...	...	...	...	...	...	...	...
Tuvalu	...	...	...	...	...	...	...	...
Vanuatu	...	...	...	...	...	...	...	...
Developed ADB Member Economies								
Australia	9,499.0	9,528.0	9,674.0 (2009)	...	1.2	1.2	1.3 (2009)	...
Japan	20,165.0	20,096.0	20,035.0	15,108.4	55.3	55.1	55.0	41.4
New Zealand	...	...	...	...	...	...	...	...

... = data not available, ADB = Asian Development Bank, km = kilometer, km² = square kilometer.

a Taipei Metro and Kaohsiung Metro are not included.

Sources: World Bank. World Development Indicators. <http://data.worldbank.org/indicator> (accessed 12 July 2018); and Asian Development Bank estimates. For Taipei, China: Government of Taipei, China, National Development Council. 2017. *Statistical Data Book*. Taipei City.

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Transport

Table 2.5.5: Railways—Passengers Carried and Goods Transported

ADB Regional Member	Passengers Carried (passenger-km million)				Goods Transported (t-km million)			
	2000	2005	2010	2016	2000	2005	2010	2016
Developing ADB Member Economies								
Central and West Asia								
Afghanistan	...	...	...	...	...	...	...	...
Armenia	47	30	50	50	354	654	346	640 (2015)
Azerbaijan	493	789	917	519	5,770	10,374 (2007)	8,250	6,211 (2015)
Georgia	453	720	655	465 (2015)	3,912	6,127	6,228	4,261 (2015)
Kazakhstan	10,215	12,129	15,448	18,165	124,983	171,855	213,174	188,159
Kyrgyz Republic	...	60 (2007)	99	41	...	752 (2007)	738	807
Pakistan	18,495	23,045	24,731	20,288 (2015)	3,754	4,796	6,187	3,301 (2015)
Tajikistan	...	50	33	18	1,326	1,274 (2007)	808	228
Turkmenistan	...	1,286	1,811	2,336	...	8,670	11,992	13,327
Uzbekistan	2,163	2,012	2,905	3,934	15,441	18,007	22,282	22,937
East Asia								
China, People's Republic of	441,468	583,320	791,158	695,955	1,333,606	1,934,612	2,451,185	1,920,285
Hong Kong, China	...	...	...	...	...	...	...	...
Korea, Republic of	28,097	31,004	33,027	23,747	10,803	10,108	9,452	9,479 (2015)
Mongolia	1,070	1,228	1,220	956	4,293	8,361 (2007)	10,287	12,371
Taipei, China ^a	10,037 (2001)	12,458 (2007)	16,489	21,456	1,179	982	873	564
South Asia								
Bangladesh	3,941	4,340	7,305	7,305 (2014)	777	896	710	710 (2014)
Bhutan	...	...	...	...	...	...	...	...
India	430,666	575,702	903,465	1,147,190 (2015)	305,201	407,398	600,548	681,696 (2015)
Maldives	...	...	...	...	...	...	...	...
Nepal	...	...	...	...	...	...	...	...
Sri Lanka	...	4,682	4,767 (2008)	...	88	138	135 (2008)	...
Southeast Asia								
Brunei Darussalam	...	...	...	...	...	...	...	...
Cambodia	45	45	...	...	92	92	...	...
Indonesia	...	25,535	20,283 (2012)	20,283 (2014)	...	4,698	7,166 (2012)	7,166 (2014)
Lao People's Democratic Republic	...	...	...	...	...	...	...	...
Malaysia	1,312	1,181	1,527	3,293 (2014)	907	1,178	1,384	3,071 (2014)
Myanmar	...	4,163 (2006)	...	...	...	885 (2006)	...	...
Philippines	171	83 (2006)	...	...	...	1 (2004)	...	...
Singapore	...	...	...	...	...	...	...	...
Thailand	9,935	9,195	8,037	7,504 (2014)	3,384	4,037	3,161	2,455 (2014)
Viet Nam	3,200	4,558	4,378	3,416	1,902	2,928	3,901	3,190
The Pacific								
Cook Islands	...	...	...	...	...	...	...	...
Fiji	...	...	...	...	...	...	...	...
Kiribati	...	...	...	...	...	...	...	...
Marshall Islands	...	...	...	...	...	...	...	...
Micronesia, Federated States of	...	...	...	...	...	...	...	...
Nauru	...	...	...	...	...	...	...	...
Palau	...	...	...	...	...	...	...	...
Papua New Guinea	...	...	...	...	...	...	...	...
Samoa	...	...	...	...	...	...	...	...
Solomon Islands	...	...	...	...	...	...	...	...
Timor-Leste	...	...	...	...	...	...	...	...
Tonga	...	...	...	...	...	...	...	...
Tuvalu	...	...	...	...	...	...	...	...
Vanuatu	...	...	...	...	...	...	...	...
Developed ADB Member Economies								
Australia	1,265	1,290	1,500	...	34,050	46,164	64,172	59,649 (2014)
Japan	240,793	239,246	244,235	206,722 (2015)	22,313	21,900	20,432	20,255 (2014)
New Zealand	...	...	...	...	4,078	...	...	...

... = data not available, ADB = Asian Development Bank, km = kilometer, t = metric ton.

a Taipei Metro and Kaohsiung Metro are not included.

Sources: World Bank. World Development Indicators. <http://data.worldbank.org/indicator> (accessed 12 July 2018). For Taipei, China: Government of Taipei, China, Directorate-General of Budget, Accounting and Statistics. 2017. *Statistical Yearbook 2016*. Nantou City.

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Table 2.5.6: Air Transport

ADB Regional Member	Carrier Departures Worldwide (takeoffs)				Freight (t-km million)				Passenger Carried (^c 000)			
	2000	2005	2010	2017	2000	2005	2010	2017	2000	2005	2010	2017
Developing ADB Member Economies												
Central and West Asia												
Afghanistan	3,409	...	21,677	23,682	7.8	...	108.0	25.1	150	...	1,999	1,859
Armenia	4,406	5,939	8,761	852 (2013)	8.8	7.0	6.0	1.0 (2013)	298	556	705	45 (2013)
Azerbaijan	8,012	12,470	9,885	25,365	47.2	11.9	7.8	751.1	546	1,134	797	2,331
Georgia	1,906	4,673	2,803	4,985	2.0	2.8	0.9	0.3	118	249	164	323
Kazakhstan	8,041	17,302	33,483	65,009	11.8	15.8	42.4	49.3	461	1,160	3,098	5,653
Kyrgyz Republic	6,051	5,228	7,371	27,097	3.7	2.0	1.3	0.0	241	226	376	1,127
Pakistan	63,956	48,905	64,932	66,346	340.3	407.9	333.0	249.9	5,294	5,364	6,588	9,920
Tajikistan	3,953	6,987	5,710	5,283	2.0	3.7	1.0	4.0	168	479	617	796
Turkmenistan	21,858	14,094	3,221	11,068	11.9	10.1	6.2	6.0	1,284	1,654	301	1,280
Uzbekistan	30,075	22,183	22,924	21,730	79.6	71.6	153.7	126.8	1,745	1,639	2,114	2,582
East Asia												
China, People's Republic of	572,921	1,349,269	2,377,789	4,359,033	3,900.1	7,579.4	17,193.9	23,323.6	61,892	136,722	266,293	551,235
Hong Kong, China	79,182	122,705	158,255	243,518	5,111.5	7,763.9	10,373.4	12,415.2	14,378	20,230	28,348	45,580
Korea, Republic of	226,910	221,424	280,427	496,326	7,651.3	7,432.6	12,942.7	11,002.2	34,331	33,888	36,988	84,045
Mongolia	6,200	5,332	6,528	5,277	8.4	6.1	3.9	8.4	254	295	391	603
Taipei, China ^a	586,560	479,499	360,409	527,025 (2016)	1.3	1.8	2.3	2.2 (2016)	48,407	44,268	41,091	63,253 (2016)
South Asia												
Bangladesh	6,313	7,399	19,300	61,902	193.9	183.5	164.4	61.7	1,331	1,634	1,819	3,786
Bhutan ^b	1,138	2,467	3,053	7,927	0.2	0.3	0.4	0.8	34	49	182	293
India	198,426	330,484	623,197	1,029,961	547.7	774.0	1,631.0	2,407.3	17,299	27,879	64,374	139,822
Maldives ^c	5,970	4,520	4,971	33,904	13.2	0.0	0.0	7.7	315	82	85	1,486
Nepal	12,130	6,255	45,990	33,767	17.0	6.9	6.5	6.0	643	480	918	780
Sri Lanka	5,206	19,712	20,921	41,272	255.7	310.4	339.0	398.6	1,756	2,818	3,008	5,342
Southeast Asia												
Brunei Darussalam	12,739	11,808	12,333	10,743	140.2	134.1	148.5	132.6	864	978	1,263	1,172
Cambodia ^b	4,648	3,207	5,105	14,372	4.1	1.2	0.0	0.9	125	169	278	1,305
Indonesia	159,027	320,724	520,932	916,471	408.5	439.8	665.7	1,056.0	9,916	26,836	59,384	110,253
Lao People's Democratic Republic	6,411	9,002	11,374	9,731	1.7	2.5	0.1	1.5	211	293	444	1,196
Malaysia	169,263	176,152	302,185	432,454	1,863.8	2,577.6	2,564.7	1,261.6	16,561	20,369	34,239	58,189
Myanmar	10,329	26,460	20,485	65,028	0.8	2.7	2.1	5.5	438	1,504	924	2,854
Philippines	44,547	58,944	205,318	369,158	289.9	322.7	460.2	756.9	5,756	8,057	22,575	44,087
Singapore	71,042	77,119	131,722	213,198	6,004.9	7,571.3	7,121.4	7,006.9	16,704	17,744	24,860	37,680
Thailand	101,591	124,347	201,306	445,736	1,712.9	2,002.4	2,938.7	2,393.3	17,392	18,903	28,781	71,192
Viet Nam	28,999	54,415	109,176	264,548	117.3	230.2	426.9	453.3	2,878	5,454	14,378	42,593
The Pacific												
Cook Islands	...	...	...	...	...	...	...	...	...	...	...	...
Fiji	57,776	41,886	26,127	22,075	90.8	92.1	77.1	102.6	586	871	1,259	1,558
Kiribati ^d	3,200	...	...	5,005	0.8	...	...	...	28	...	...	67
Marshall Islands ^c	2,324	3,083	3,480	2,756	0.2	0.3	0.3	0.7	16	26	28	47
Micronesia, Federated States of	...	...	...	...	...	...	...	...	...	...	...	...
Nauru	...	...	...	...	...	...	...	...	...	...	...	...
Palau	...	...	...	...	...	...	...	...	...	...	...	...
Papua New Guinea	27,512	19,606	32,741	53,696	22.3	21.1	28.5	29.2	1,100	819	1,405	1,865
Samoa ^c	10,877	11,439	12,492	13,433	2.2	1.8	1.6	0.0	164	267	271	135
Solomon Islands	11,481	12,318	7,388	14,365	1.0	0.8	2.5	3.8	75	91	143	428
Timor-Leste	...	...	...	...	...	...	...	...	...	...	...	...
Tonga ^e	3,814	5,255	...	...	0.0	0.0	...	...	52	75	...	...
Tuvalu	...	...	...	...	...	...	...	...	...	...	...	...
Vanuatu	1,402	1,580	17,212	12,920	1.8	1.8	0.2	2.3	102	112	248	339
Developed ADB Member Economies												
Australia	382,514	342,509	572,906	672,349	1,730.7	2,444.6	2,938.3	1,982.6	32,578	44,657	60,641	74,257
Japan	645,087	651,858	934,487	1,035,522	8,672.0	8,549.2	7,698.8	10,684.6	109,123	102,279	109,617	123,898
New Zealand	240,046	209,469	207,872	184,762	817.1	781.5	468.6	1,336.0	10,781	11,952	13,295	16,272

... = data not available, 0.0 = magnitude is less than half of unit employed, ADB = Asian Development Bank, km = kilometer, t = metric ton.

- a Carrier departures worldwide for Taipei, China are based on the number of aircraft movements, both domestic and international. Freight is based on million ton.
b For the freight indicator, data for 2000 refer to 2002.
c For all indicators, data for 2010 refer to 2009.
d For all indicators, data for 2000 refer to 1998.
e For all indicators, data for 2005 refer to 2004.

Sources: World Bank. World Development Indicators. <http://databank.worldbank.org/data/reports.aspx?source=world-development-indicators> (accessed 12 July 2018).
For Taipei, China: Government of Taipei, China, Directorate-General of Budget, Accounting and Statistics. 2017. *Statistical Yearbook 2016*. Nantou City.

[Click here for table data](#)

Transport

Table 2.5.7: Container Port Traffic
(teu '000)

ADB Regional Member	2000	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016
Developing ADB Member Economies													
Central and West Asia													
Afghanistan	...	...	...	...	...	...	...	...	...	...	...	...	...
Armenia	...	...	...	...	...	...	...	...	...	...	...	...	...
Azerbaijan	...	...	...	...	...	...	...	...	...	...	...	...	...
Georgia	...	...	...	185	254	182	242	284	358	403	385	222	304
Kazakhstan	...	...	...	...	...	...	...	...	...	...	...	...	...
Kyrgyz Republic	...	...	...	...	...	...	...	...	...	...	...	...	...
Pakistan	...	1,686	1,777	1,936	1,938	2,058	2,149	2,132	2,244	2,445	2,535	2,756	2,645
Tajikistan	...	...	...	...	...	...	...	...	...	...	...	...	...
Turkmenistan	...	...	...	...	...	...	...	...	...	...	...	...	...
Uzbekistan	...	...	...	...	...	...	...	...	...	...	...	...	...
East Asia													
China, People's Republic of	41,000	67,245	84,811	103,823	115,942	108,800	139,358	152,476	163,372	175,805	186,853	194,756	199,566
Hong Kong, China	...	22,602	23,539	23,998	24,494	21,040	23,600	24,404	23,100	22,290	22,300	20,114	19,580
Korea, Republic of	9,030	15,113	15,514	17,086	17,418	15,700	18,517	20,591	21,535	22,523	24,814	25,477	26,373
Mongolia	...	...	...	...	...	...	...	...	...	...	...	...	...
Taipei, China	...	12,791	13,102	13,720	12,971	11,352	12,937	14,518	13,878	14,047	15,050	14,492	14,865
South Asia													
Bangladesh	456	809	902	978	1,091	1,182	1,469	1,343	1,469	1,626	1,643	2,045	2,367
Bhutan	...	...	...	...	...	...	...	...	...	...	...	...	...
India	2,451	4,982	6,141	7,398	7,672	8,014	9,112	9,557	9,577	9,685	11,319	11,883	12,083
Maldives	...	...	...	48	54	56	50	53	55	80	84	84	82
Nepal	...	...	...	...	...	...	...	...	...	...	...	...	...
Sri Lanka	1,733	2,455	3,079	3,687	3,687	3,464	4,080	4,263	4,187	4,306	4,908	5,185	5,550
Southeast Asia													
Brunei Darussalam	...	...	...	...	90	86	93	105	109	122	128	128	125
Cambodia	...	...	...	253	259	208	224	238	255	286	424	474	482
Indonesia	3,798	5,503	4,316	6,583	7,405	7,255	8,089	9,674	10,428	10,811	11,637	12,032	12,432
Lao People's Democratic Republic	...	...	...	...	...	...	...	...	...	...	...	...	...
Malaysia	4,642	12,198	13,419	14,829	16,094	15,923	18,204	20,011	20,588	20,910	22,368	24,013	24,570
Myanmar	...	...	...	170	180	164	335	381	474	567	717	827	1,026
Philippines	3,032	3,634	3,676	4,351	4,471	4,307	5,087	5,315	5,642	5,826	6,176	7,210	7,421
Singapore	17,100	23,192	24,792	28,768	30,891	26,593	29,179	29,938	31,649	32,579	34,688	31,710	31,688
Thailand	3,179	5,115	5,574	6,339	6,726	5,898	6,521	7,036	7,324	7,547	8,119	8,359	8,239
Viet Nam	1,190	2,537	3,000	4,009	4,394	4,937	5,886	6,924	7,372	8,254	8,150	8,842	8,496
The Pacific													
Cook Islands	...	...	...	...	...	...	...	...	...	...	...	...	...
Fiji	...	...	...	...	...	...	87	102	82	88	260	89	89
Kiribati	...	...	...	...	...	...	...	...	...	...	...	...	...
Marshall Islands	...	...	...	...	...	...	...	...	...	...	...	...	...
Micronesia, Federated States of	...	...	...	...	...	...	...	...	...	...	...	...	...
Nauru	...	...	...	...	...	...	...	...	...	...	...	...	...
Palau	...	...	...	...	...	...	...	...	...	...	...	...	...
Papua New Guinea	...	...	...	282	255	262	230	250	274	364	382	276	329
Samoa	...	...	...	...	...	...	22	21	23	24	27	28	28
Solomon Islands	...	...	...	...	...	...	...	...	...	...	...	...	...
Timor-Leste	...	...	...	...	...	...	...	...	...	...	...	...	...
Tonga	...	...	...	...	...	...	...	...	...	...	...	...	...
Tuvalu	...	...	...	...	...	...	...	...	...	...	...	...	...
Vanuatu	...	...	...	...	...	...	...	...	...	...	...	...	...
Developed ADB Member Economies													
Australia	3,543	5,191	5,742	6,290	6,102	6,200	6,551	6,039	6,975	7,082	7,405	7,627	7,636
Japan	13,100	17,055	18,470	19,165	18,944	16,286	18,115	16,624	17,075	19,108	20,675	20,076	20,257
New Zealand	1,067	1,603	1,807	2,312	2,318	2,325	2,112	2,165	2,327	2,420	2,943	3,119	3,031

... = data not available, ADB = Asian Development Bank, teu = twenty-foot equivalent unit.

Sources: World Bank. World Development Indicators. <http://data.worldbank.org/indicator> (accessed 12 July 2018). For Taipei, China for 2005–2007: United Nations Conference on Trade and Development (UNCTAD). 2008 and 2010. *Review of Maritime Transport*. New York, NY: United Nations Publications. For Taipei, China for 2008–2016: UNCTAD. UNCTADstat. <http://unctadstat.unctad.org/EN/Index.html> (accessed 12 July 2018).

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Table 2.5.8: Access to Fixed Telephone, Mobile Phones, and Internet
('000)

ADB Regional Member	Telephone Subscribers		Mobile Phone Subscribers		Fixed Broadband Subscribers	
	2000	2016	2000	2016	2000	2016
Developing ADB Member Economies						
Central and West Asia						
Afghanistan	29.0	114.2	25.0 (2002)	21,603.0	0.2 (2004)	8.8
Armenia	533.4	531.6	17.5	3,434.6	0.0 (2001)	299.2
Azerbaijan	801.2	1,700.2	420.4	10,189.0	1.0 (2002)	1,803.7
Georgia	508.8	833.9	194.7	5,532.7	0.4 (2001)	689.6
Kazakhstan	1,834.2	3,931.1	197.3	25,534.8	1.0 (2003)	2,349.9
Kyrgyz Republic	376.1	382.1	9.0	7,613.5	0.0 (2002)	240.9
Pakistan	3,053.5	3,104.4	306.5	136,489.0	14.6 (2005)	1,642.8
Tajikistan	218.5	468.0	1.2	9,400.0	0.0 (2003)	6.0
Turkmenistan	364.4	665.0	7.5	8,575.0	...	4.0
Uzbekistan	1,655.0	3,412.9	53.1	23,265.4	2.8 (2003)	2,746.4
East Asia						
China, People's Republic of	144,829.0	206,624.0	85,260.0	1,364,934.0	22.7	322,597.0
Hong Kong, China	3,925.8	4,318.3	5,447.3	17,585.0	444.5	2,626.0
Korea, Republic of	25,863.0	28,035.6	26,816.4	61,295.5	3,870.0	20,555.7
Mongolia	117.5	225.3	154.6	3,367.6	0.05 (2001)	226.1
Taipei, China	12,642.2	13,771.0	17,873.8	29,244.3	229.0	5,686.0
South Asia						
Bangladesh	491.3	766.2	279.0	135,981.8	43.7 (2007)	6,592.4
Bhutan	14.1	21.1	-	698.4	...	16.5
India	32,436.1	24,404.0	3,577.1	1,127,809.0	50.0 (2001)	18,653.3
Maldives	24.4	21.1	7.6	812.1	0.2 (2002)	29.3
Nepal	266.9	858.2	10.2	32,120.3	1.0 (2006)	224.2
Sri Lanka	767.4	2,479.8	430.2	25,797.2	0.3 (2001)	892.2
Southeast Asia						
Brunei Darussalam	80.5	74.2	95.0	523.5	1.9 (2001)	36.1
Cambodia	30.9	227.3	130.5	19,915.5	0.1 (2002)	96.7
Indonesia	6,662.6	10,752.9	3,669.3	385,573.4	4.0	5,227.4
Lao People's Democratic Republic	40.9	1,266.6	12.7	3,958.5	0.0 (2003)	24.4
Malaysia	4,628.0	4,837.2	5,121.7	43,912.6	4.0 (2001)	2,718.8
Myanmar	271.4	514.4	13.4	50,586.4	0.2 (2005)	89.7
Philippines	3,061.4	3,835.9	6,454.4	113,000.0	10.0 (2001)	5,649.4
Singapore	1,946.0	1,998.4	2,747.4	8,460.7	69.0	1,461.1
Thailand	5,591.1	4,706.0	3,056.0	119,669.0	1.6 (2001)	7,219.0
Viet Nam	2,542.7	5,598.0	788.6	120,600.2	1.1 (2002)	9,089.3
The Pacific						
Cook Islands	5.7	7.8 (2013)	0.6	11.5 (2013)	0.0 (2003)	2.7 (2013)
Fiji	86.4	74.2	55.1	1,044.7	7.0 (2005)	12.3
Kiribati	3.4	0.7	0.3	52.0	0.3 (2005)	0.1
Marshall Islands	4.0	2.4 (2014)	0.4	15.5 (2015)	...	1.0
Micronesia, Federated States of	9.6	6.9	-	23.4	0.0 (2003)	3.2
Nauru	1.8	1.9 (2009)	1.2	9.9	...	0.95 (2010)
Palau	...	...	...	...	...	...
Papua New Guinea	64.8	154.0	8.6	3,782.0	...	17.0
Samoa	8.5	9.7	2.5	151.0	0.0 (2004)	2.2
Solomon Islands	7.7	7.4	1.2	416.6	0.2 (2004)	1.6
Timor-Leste	2.0 (2003)	2.7	20.1 (2003)	1,492.1	0.0 (2003)	1.0
Tonga	9.7	11.0	0.2	80.0	0.0 (2002)	3.0
Tuvalu	0.7	2.0	0.5 (2004)	7.6	0.1 (2004)	1.0
Vanuatu	6.6	4.6	0.4	218.6	0.0 (2003)	4.5
Developed ADB Member Economies						
Australia	10,050.0	8,180.0	8,562.0	26,551.0	122.8 (2001)	7,374.0
Japan	61,957.1	64,099.2	66,784.4	166,852.8	854.7	39,805.6
New Zealand	1,831.0	1,760.0	1,542.0	5,800.0	4.7	1,530.5

... = data not available, 0.0 = magnitude is less than half of unit employed, - = magnitude equals zero, ADB = Asian Development Bank.

Source: International Telecommunication Union. World Telecommunication/ICT Indicators Database. <http://www.itu.int/en/ITU-D/Statistics/Pages/stat/default.aspx> (accessed 18 July 2018).

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Communications

Table 2.5.9: Access to Fixed Telephone, Mobile Phones, and Internet
(per 100 people)

ADB Regional Member	Fixed Telephone				Mobile Cellular				Fixed Broadband				Internet Users ^a			
	2000	2005	2010	2016	2000	2005	2010	2016	2000	2005	2010	2016	2000	2005	2010	2016
Developing ADB Member Economies																
Central and West Asia																
Afghanistan	0.1	...	0.1	0.3	-	4.8	35.5	62.3	...	0.0	0.0	0.0	...	1.2	4.0	10.6
Armenia	17.4	19.9	20.6	18.2	0.6	10.7	134.3	117.4	...	0.1	3.3	10.2	1.3	5.3	25.0	67.0
Azerbaijan	9.9	12.8	16.7	17.5	5.2	26.3	100.7	104.8	...	0.0	5.3	18.5	0.1	8.0	46.0	78.2
Georgia	10.8	12.7	26.3	21.2	4.1	26.2	94.0	140.9	...	0.1	4.3	17.6	0.5	6.1	26.9	58.0
Kazakhstan	12.2	17.4	24.7	21.9	1.3	34.7	118.3	142.0	...	0.0	5.3	13.1	0.7	3.0	31.6	74.6
Kyrgyz Republic	7.6	8.7	9.0	6.4	0.2	10.7	97.3	127.8	...	0.0	0.4	4.0	1.0	10.5	16.3	34.5
Pakistan	2.2	3.4	3.6	1.6	0.2	8.3	58.2	70.6	...	0.0	0.5	0.9	...	6.3	8.0	15.5
Tajikistan	3.5	4.1	4.8	5.4	0.0	3.9	77.7	107.6	...	...	0.1	0.1	0.0	0.3	11.6	20.5
Turkmenistan	8.1	8.4	10.2	11.7	0.2	2.2	62.9	151.4	...	...	0.0	0.1	0.1	1.0	3.0	18.0
Uzbekistan	6.7	6.8	6.6	10.9	0.2	2.7	73.2	74.0	...	0.0	0.4	8.7	0.5	3.3	15.9	46.8
East Asia																
China, People's Republic of	11.3	26.5	21.6	14.7	6.6	29.8	63.2	97.3	0.0	2.8	9.3	23.0	1.8	8.5	34.3	53.2
Hong Kong, China	58.9	55.6	62.1	59.1	81.7	125.1	196.3	240.8	6.7	24.3	30.9	36.0	27.8	56.9	72.0	87.5
Korea, Republic of	54.6	49.1	57.6	55.2	56.6	78.7	102.5	120.7	8.2	25.0	34.7	40.5	44.7	73.5	83.7	92.8
Mongolia	4.9	6.2	7.1	7.4	6.4	22.1	92.5	111.2	...	0.1	2.8	7.5	1.3	...	10.2	22.3
Taipei, China	57.9	64.1	71.1	58.5	81.8	98.1	120.5	124.1	1.0	19.2	23.0	24.1	28.1	58.0	71.5	79.7
South Asia																
Bangladesh	0.4	0.7	0.8	0.5	0.2	6.3	44.6	83.4	...	...	0.3	4.0	0.1	0.2	3.7	18.2
Bhutan	2.5	5.0	3.6	2.6	-	5.5	54.2	87.5	...	...	1.2	2.1	0.4	3.8	13.6	41.8
India	3.1	4.4	2.9	1.8	0.3	7.9	61.1	85.2	...	0.1	0.9	1.4	0.5	2.4	7.5	29.5
Maldives	8.7	10.1	7.8	4.9	2.7	63.9	135.6	189.9	...	1.0	4.3	6.9	2.2	6.9	26.5	59.1
Nepal	1.1	1.9	3.1	3.0	0.0	0.9	34.0	110.8	...	...	0.2	0.8	0.2	0.8	7.9	19.7
Sri Lanka	4.1	6.4	17.7	11.9	2.3	17.2	85.9	124.0	...	0.1	1.1	4.3	0.6	1.8	12.0	32.1
Southeast Asia																
Brunei Darussalam	24.2	23.0	20.6	17.5	28.5	63.8	111.9	123.7	...	2.2	5.6	8.5	9.0	36.5	53.0	90.0
Cambodia	0.3	0.2	2.5	1.4	1.1	8.0	57.0	126.3	...	0.0	0.2	0.6	0.0	0.3	1.3	32.4
Indonesia	3.1	6.0	16.9	4.1	1.7	20.7	87.1	147.7	0.0	0.0	0.9	2.0	0.9	3.6	10.9	25.4
Lao People's Democratic Republic	0.8	1.6	1.7	18.7	0.2	11.4	64.1	58.6	...	0.0	0.1	0.4	0.1	0.9	7.0	21.9
Malaysia	20.0	17.0	16.4	15.5	22.1	76.2	120.4	140.8	...	1.9	7.5	8.7	21.4	48.6	56.3	78.8
Myanmar	0.6	1.0	1.0	1.0	0.0	0.3	1.2	95.7	...	0.0	0.0	0.2	...	0.1	0.3	25.1
Philippines	3.9	3.9	3.6	3.7	8.3	40.3	88.7	109.4	...	0.1	...	5.5	2.0	5.4	25.0	55.5
Singapore	49.7	41.1	39.3	35.5	70.2	97.6	145.5	150.5	1.8	14.6	26.4	26.0	36.0	61.0	71.0	81.0
Thailand	8.9	10.8	10.2	6.8	4.9	46.6	106.7	173.8	...	0.8	4.8	10.5	3.7	15.0	22.4	47.5
Viet Nam	3.2	...	16.2	5.9	1.0	...	...	...	...	0.2	4.1	9.6	0.3	12.7	30.7	46.5
The Pacific																
Cook Islands	31.3	33.7	39.0	...	3.0	20.3	42.1	...	...	0.3	9.0	...	15.7	26.2	35.7	54.0
Fiji	10.7	13.7	15.1	8.3	6.8	24.9	81.2	116.2	...	0.9	2.7	1.4	1.5	8.5	20.0	46.5
Kiribati	4.0	4.5	8.2	0.6	0.4	0.7	10.3	45.5	...	0.3	0.8	0.1	1.8	4.0	9.1	13.7
Marshall Islands	7.7	...	...	...	0.9	1.3	...	...	...	...	...	1.9	1.5	3.9	7.0	29.8
Micronesia, Federated States of	9.0	11.7	8.2	6.6	-	13.3	26.6	22.3	...	0.0	1.0	3.0	3.7	11.9	20.0	33.4
Nauru	17.9	17.8	-	...	12.0	...	61.8	87.2	...	...	9.5	...	...	...	...	...
Palau	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Papua New Guinea	1.2	1.0	1.7	1.9	0.2	1.2	26.9	46.8	...	...	0.1	0.2	0.8	1.7	1.3	9.6
Samoa	4.9	10.8	4.3	5.0	1.4	13.3	48.3	77.4	...	0.0	0.1	1.1	0.6	3.4	7.0	29.4
Solomon Islands	1.9	1.6	1.6	1.2	0.3	1.3	21.9	69.5	...	0.1	0.5	0.3	0.5	0.8	5.0	11.0
Timor-Leste	...	0.2	0.3	0.2	...	3.2	42.6	117.6	...	0.0	0.0	0.1	...	0.1	3.0	25.2
Tonga	9.9	13.6	29.8	10.3	0.2	29.6	52.1	74.7	...	0.6	1.1	2.8	2.4	4.9	16.0	40.0
Tuvalu	7.0	8.9	11.4	18.0	-	13.0	15.2	68.5	...	1.5	2.3	9.0	5.2	...	25.0	46.0
Vanuatu	3.6	3.3	3.0	1.7	0.2	6.1	71.9	80.8	...	0.0	0.2	1.7	2.1	5.1	8.0	24.0
Developed ADB Member Economies																
Australia	52.7	50.0	48.0	33.9	44.9	91.0	101.7	110.1	...	10.0	24.9	30.6	46.8	63.0	76.0	88.2
Japan	48.6	45.2	51.0	50.2	52.4	75.2	95.9	130.6	0.7	18.2	26.5	31.2	30.0	66.9	78.2	93.2
New Zealand	47.4	41.8	43.0	37.8	40.0	85.4	107.8	124.4	0.1	7.8	25.0	32.8	47.4	62.7	80.5	88.5

... = data not available, 0.0 = magnitude is less than half of unit employed, - = magnitude equals zero, ADB = Asian Development Bank.

a The reference population differs across countries. For example, some countries refer to a population of people aged 6 years and older, some refer to 7 years and older, and others refer to ages from 16 to 74 years. Details are provided in the documentation of the International Telecommunication Union.

Source: International Telecommunication Union. World Telecommunication/ICT Indicators Database. <http://www.itu.int/en/ITU-D/Statistics/Pages/stat/default.aspx> (accessed 19 July 2018).