

About the International Comparison Program

The International Comparison Program (ICP) is the largest worldwide data-collection initiative, implemented under the guidance of the United Nations Statistical Commission (UNSC) with the goal of producing comparable price and volume measures of national accounts aggregates across economies of the world. Along with the purchasing power parities (PPPs), the ICP produces price level indexes (PLI) and other comparable aggregates of gross domestic product (GDP) expenditure and its components.

More specifically, the PPPs are used to compute real measures of GDP and its components: individual consumption expenditure by households (ICEH), actual individual consumption by households (AICH), government final consumption expenditure (GFCE), gross fixed capital formation (GFCF), and lower levels of national accounts aggregates. These measures allow more meaningful inter-economy comparisons, as they correct for distortions due to differences in the price levels between economies.

ICP in Asia and the Pacific

The Asian Development Bank (ADB) through the Economic Research and Regional Cooperation Department has been the regional implementing agency (RIA) of the ICP for Asia and the Pacific since the 2005 ICP round. ADB in its capacity as the RIA was responsible for coordinating with the 22 economies that participated in the 2017 ICP. These 22 economies are: Bangladesh; Bhutan; Brunei Darussalam; Cambodia; Fiji; Hong Kong, China; India; Indonesia; the Lao People's Democratic Republic; Malaysia; Maldives; Mongolia; Myanmar; Nepal; Pakistan; the People's Republic of China; the Philippines; Singapore; Sri Lanka; Taipei, China; Thailand; and Viet Nam.

Concepts and Measures

Purchasing Power Parity	The amount of currency units required to purchase a common basket of goods and services in an economy that can be purchased with one unit of the reference currency in the reference economy.
Price Level Index	The ratio of PPP to exchange rate with respect to a common reference currency. PLI expresses the general price level in an economy as percentage of reference economy's price level and shows how the price levels of economies compare with each other. The PLI of the reference economy is 100. A PLI greater than 100 means that when the national average prices are converted at exchange rates, the resulting prices tend to be higher on average than prices in the reference economy.
Real Expenditure	Expenditure in the currency units of an economy converted to a common currency by dividing the expenditure by its corresponding PPP, and hence, valued at a uniform price level across economies.
Nominal Expenditure	Expenditures in the currency units of an economy converted to a common currency using the exchange rate of a reference economy without adjusting for the differences in prices of goods and services across economies.
Per Capita Expenditure	Total expenditure divided by the total population of a given economy. Per capita expenditure measures the standard of living in an economy. This can be expressed either in real or nominal terms.
Per Capita Relative Expenditure	Per capita expenditure that has been converted to the relative units of the reference economy by (i) dividing the per capita expenditure of a given economy by the per capita expenditure of the reference economy and then (ii) multiplying by 100.
Transitivity	An important property of PPP whereby the direct PPP between any two economies yields the same result as an indirect comparison via any other economy.
Base Economy Invariance	The property under which the relativities between the PPPs, PLIs, and volume indexes of economies are not affected by the choice of reference economy or currency.
Economy Share to Asia and the Pacific	An economy's real or nominal expenditures for an aggregate, expressed as a percentage of the total real or nominal expenditure of all participating economies in Asia and the Pacific.
Shares of Nominal Expenditure	An aggregate's nominal expenditure as a percentage of the total nominal expenditure within the economy.

Data and Sources

This file has two sheets: one for the 2017 ICP results and second for 2011 ICP (revised) results. Each sheet contains indicators on PPPs, PLIs, GDP, and aggregates such as AICH, ICEH, nonprofit institutions serving households (NPISH), collective consumption expenditure by government, GFCE, GFCF, change in inventories and net acquisitions of valuables, balance of exports and imports, and subcomponents of these aggregates. The 2017 ICP and 2011 revised ICP results are compiled with Hong Kong, China as the reference economy and the Hong Kong dollar as the reference currency. Each real aggregate value is derived by using a purchasing power parity that is specific to that aggregate, so real aggregates may not sum up to the total of their real components for an economy.

The 2011 revised results are revisions of the 2011 original ICP results based on revisions in the 2011 GDP estimates; revisions in the population estimates; refinements in methods, such as for estimating the adjustment factors to account for the differences in productivity of government; changes in reference PPPs for some basic headings; and minor changes in ICP classification between 2017 and 2011. The annual average prices are the same as used for 2011 original results and remain unchanged. The methods used for estimating the results for 2011 revised are same as the methods used for 2017 ICP results.

The 2017 and 2011 revised results presented in these tables are produced by the ICP Asia Pacific regional implementing agency, based on data supplied by all the participating economies, and in accordance with the methodology recommended by the ICP Technical Advisory Group and approved by the Asia and the Pacific Regional Advisory Board. As such, these results are not produced by participating economies as part of the economies' official statistics.

2017 International Comparison Program for Asia and the Pacific

Indonesia, 2017

Expenditure Category	Purchasing Power Parities (HK\$ = 1.00)	Real Expenditure		Per Capita Real Expenditure		Nominal Expenditure		Per Capita Nominal Expenditure		Nominal Expenditure Shares, (%)	PLIs	
		(HK\$ billion)	Economy Share to Asia and the Pacific, (%)	HK\$	Index (Asia and the Pacific = 100)	(HK\$ billion)	Economy Share to Asia and the Pacific, (%)	HK\$	Index (Asia and the Pacific = 100)		(HKG = 100)	(Asia and the Pacific = 100)
Gross Domestic Product	781.12	17,394	7.49	66,419	108	7,913	5.32	30,217	77	100.00	45	71
Actual Individual Consumption by Households ^a	780.92	10,578	7.88	40,391	114	4,811	6.10	18,371	88	60.80	45	77
Food and non-alcoholic beverages	1,029.47	2,335	8.50	8,916	123	1,400	8.91	5,346	129	17.69	60	105
Food	1,021.42	2,100	7.88	8,019	114	1,249	8.29	4,770	120	15.79	59	105
Bread and cereals	1,209.55	469	8.44	1,791	122	330	9.64	1,261	139	4.17	70	114
Meat and fish	882.61	726	10.45	2,773	151	373	8.98	1,426	130	4.72	51	86
Fruits and vegetables	1,110.52	328	4.53	1,251	65	212	5.96	809	86	2.68	65	132
Other food and non-alcoholic beverages	998.10	833	10.31	3,182	149	484	10.59	1,850	153	6.12	58	103
Clothing and footwear	1,070.50	255	5.11	974	74	159	4.28	607	62	2.01	62	84
Clothing	1,091.62	215	5.23	820	76	136	4.63	521	67	1.72	64	89
Housing, water, electricity, gas and other fuels	451.72	1,545	6.81	5,901	98	407	3.79	1,553	55	5.14	26	56
Health and education	417.68	2,521	6.08	9,626	88	613	3.61	2,342	52	7.75	24	59
Health	423.42	859	3.57	3,280	52	212	2.35	809	34	2.68	25	66
Education	403.71	1,707	9.28	6,519	134	401	5.03	1,533	73	5.07	24	54
Transportation and communication	934.30	1,516	8.72	5,789	126	825	8.22	3,150	119	10.43	54	94
Transportation	906.71	1,222	8.86	4,667	128	645	8.34	2,465	121	8.16	53	94
Recreation and culture	1,284.49	280	7.13	1,070	103	210	6.08	801	88	2.65	75	85
Restaurants and hotels	787.72	961	17.79	3,668	257	441	12.63	1,683	183	5.57	46	71
Other consumption expenditure items	887.71	1,464	7.15	5,589	103	757	5.05	2,890	73	9.56	52	71
Individual Consumption Expenditure by Government	491.78	961	5.04	3,668	73	275	2.43	1,051	35	3.48	29	48
Collective Consumption Expenditure by Government	598.80	1,273	8.40	4,860	121	444	4.54	1,695	66	5.61	35	54
Gross Fixed Capital Formation	830.33	5,264	7.02	20,099	102	2,545	4.63	9,720	67	32.17	48	66
Machinery and equipment	1,652.77	434	3.86	1,657	56	418	3.53	1,595	51	5.28	96	91
Construction	498.40	6,588	9.85	25,156	142	1,912	5.28	7,302	76	24.17	29	54
Change in Inventories and Net Acquisitions of Valuables	920.21	61	1.35	233	20	33	1.11	125	16	0.41	54	82
Balance of Exports and Imports	1,716.98	80	3.43	307	50	80	3.43	307	50	1.01	100	100
Individual Consumption Expenditure by Households and NPISH	815.39	9,551	8.16	36,471	118	4,536	6.71	17,320	97	57.32	47	82
Government Final Consumption Expenditure	550.85	2,241	6.65	8,558	96	719	3.41	2,746	49	9.09	32	51
Actual Individual Consumption by Households ^a	780.92	10,578	7.88	40,391	114	4,811	6.10	18,371	88	60.80	45	77
All goods	1,049.61	4,587	8.32	17,516	120	2,804	7.43	10,708	107	35.44	61	89
Non-durables	938.37	3,738	8.32	14,272	120	2,043	7.69	7,800	111	25.81	55	92
Semi-durables	1,035.20	574	8.79	2,191	127	346	6.18	1,321	89	4.37	60	70
Durables	1,488.51	479	7.67	1,830	111	416	7.45	1,587	108	5.25	87	97
Services	631.07	4,457	7.51	17,019	109	1,638	5.50	6,255	80	20.70	37	73

Reference Data

Exchange rate (Local Currency Units/Hong Kong dollar)	1716.98
Total Population (in million)	261.89

HK\$ = Hong Kong dollar; HKG = Hong Kong, China; NPISH=nonprofit institutions serving households; PLI = price level index.

^a Includes individual consumption expenditure by households, nonprofit institutions serving households, and government.

Sources: Asian Development Bank estimates. For exchange rate: International Monetary Fund. International Financial Statistics. <http://data.imf.org/> (accessed 17 September 2019). Data for population refers to mid-year estimates supplied by the participating economy for the International Comparison Program.

2017 International Comparison Program for Asia and the Pacific

Indonesia, 2011 (Revised)

Expenditure Category	Purchasing Power Parities (HK\$ = 1.00)	Real Expenditure		Per Capita Real Expenditure		Nominal Expenditure		Per Capita Nominal Expenditure		Nominal Expenditure Shares, (%)	PLIs	
		(HK\$ billion)	Economy Share to Asia and the Pacific, (%)	HK\$	Index (Asia and the Pacific = 100)	(HK\$ billion)	Economy Share to Asia and the Pacific, (%)	HK\$	Index (Asia and the Pacific = 100)		(HKG = 100)	(Asia and the Pacific = 100)
Gross Domestic Product	671.29	11,667	8.08	48,211	119	6,951	6.91	28,724	102	100.00	60	86
Actual Individual Consumption by Households ^a	655.87	7,022	8.83	29,019	130	4,088	8.07	16,892	119	58.81	58	91
Food and non-alcoholic beverages	834.78	1,677	9.35	6,929	138	1,242	10.55	5,134	155	17.87	74	113
Food	831.23	1,551	8.91	6,409	131	1,144	10.10	4,728	149	16.46	74	113
Bread and cereals	917.57	421	10.72	1,740	158	343	12.14	1,417	179	4.93	81	113
Meat and fish	757.68	457	11.12	1,888	164	307	10.69	1,269	158	4.42	67	96
Fruits and vegetables	765.55	261	5.61	1,080	83	178	6.86	734	101	2.56	68	122
Other food and non-alcoholic beverages	902.83	517	9.75	2,138	144	415	11.86	1,713	175	5.96	80	122
Clothing and footwear	1,157.91	152	4.63	628	68	156	5.42	645	80	2.25	103	117
Clothing	1,185.09	130	4.86	537	72	137	5.73	564	84	1.96	105	118
Housing, water, electricity, gas and other fuels	332.53	1,234	8.18	5,099	121	364	5.13	1,505	76	5.24	30	63
Health and education	383.44	1,523	7.13	6,292	105	518	5.36	2,141	79	7.46	34	75
Health	504.53	434	3.55	1,792	52	194	3.70	803	55	2.79	45	104
Education	300.71	1,214	12.47	5,016	184	324	7.32	1,339	108	4.66	27	59
Transportation and communication	843.51	946	11.22	3,908	165	708	11.64	2,926	171	10.19	75	104
Transportation	735.38	802	11.71	3,314	173	523	11.64	2,163	171	7.53	65	99
Recreation and culture	876.29	230	8.40	949	124	179	7.46	738	110	2.57	78	89
Restaurants and hotels	723.00	533	14.04	2,201	207	342	13.24	1,413	195	4.92	64	94
Other consumption expenditure items	743.39	877	7.68	3,624	113	579	6.94	2,391	102	8.32	66	90
Individual Consumption Expenditure by Government	358.86	739	6.11	3,053	90	235	3.47	973	51	3.39	32	57
Collective Consumption Expenditure by Government	516.14	861	8.49	3,557	125	394	6.00	1,629	88	5.67	46	71
Gross Fixed Capital Formation	696.19	3,522	7.05	14,554	104	2,176	5.65	8,993	83	31.31	62	80
Machinery and equipment	1,038.22	445	3.96	1,839	58	410	3.65	1,695	54	5.90	92	92
Construction	477.77	3,751	9.21	15,499	136	1,590	6.77	6,572	100	22.88	42	73
Change in Inventories and Net Acquisitions of Valuables	777.76	175	4.68	722	69	121	4.33	499	64	1.74	69	93
Balance of Exports and Imports	1,126.73	172	8.49	711	125	172	8.49	711	125	2.47	100	100
Individual Consumption Expenditure by Households and NPISH	689.25	6,298	9.15	26,024	135	3,852	8.78	15,920	129	55.42	61	96
Government Final Consumption Expenditure	445.73	1,592	7.32	6,577	108	630	4.71	2,602	69	9.06	40	64
Actual Individual Consumption by Households ^a	655.87	7,022	8.83	29,019	130	4,088	8.07	16,892	119	58.81	58	91
All goods	895.51	3,080	8.63	12,727	127	2,448	9.04	10,115	133	35.22	79	105
Non-durables	798.11	2,442	8.45	10,091	124	1,730	9.06	7,148	133	24.89	71	107
Semi-durables	1,053.88	317	7.35	1,311	108	297	7.10	1,226	105	4.27	94	97
Durables	1,182.97	401	10.47	1,659	154	421	11.05	1,741	163	6.06	105	106
Services	511.87	2,934	9.57	12,126	141	1,333	7.97	5,509	117	19.18	45	83

Reference Data

Exchange rate (Local Currency Units/Hong Kong dollar)	1,126.73
Total Population (in million)	241.99

HK\$ = Hong Kong dollar; HKG = Hong Kong, China; NPISH=nonprofit institutions serving households; PLI = price level index.

^a Includes individual consumption expenditure by households, nonprofit institutions serving households, and government.

Sources: Asian Development Bank estimates. For exchange rate: International Monetary Fund. International Financial Statistics. <http://data.imf.org/> (accessed 17 September 2019). Data for population refers to mid-year estimates supplied by the participating economy for the International Comparison Program.