

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

Nepal, 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	5.20	503	0.22	17,431	28	195	0.13	6,754	17	100.00	39	60
Actual Individual Consumption by Households ^a	4.74	434	0.32	15,041	42	153	0.19	5,319	26	78.76	35	60
Food and non-alcoholic beverages	5.79	208	0.76	7,206	99	90	0.57	3,109	75	46.03	43	75
Food	5.68	208	0.78	7,230	103	88	0.59	3,064	77	45.36	42	75
Bread and cereals	6.06	70	1.25	2,412	164	31	0.92	1,089	120	16.13	45	73
Meat and fish	6.74	29	0.42	1,011	55	15	0.35	508	46	7.53	50	84
Fruits and vegetables	4.36	54	0.75	1,876	98	18	0.49	610	65	9.03	33	66
Other food and non-alcoholic beverages	6.03	58	0.71	2,003	94	26	0.57	901	75	13.34	45	79
Clothing and footwear	5.73	11	0.21	365	28	5	0.12	156	16	2.31	43	57
Clothing	5.63	9	0.22	314	29	4	0.13	132	17	1.95	42	58
Housing, water, electricity, gas and other fuels	3.56	71	0.31	2,474	41	19	0.18	656	23	9.71	27	56
Health and education	1.90	92	0.22	3,179	29	13	0.08	451	10	6.68	14	35
Health	2.14	39	0.16	1,353	21	6	0.07	216	9	3.20	16	43
Education	1.74	52	0.28	1,812	37	7	0.08	235	11	3.48	13	30
Transportation and communication	6.88	13	0.07	439	10	6	0.06	225	8	3.33	51	89
Transportation	8.38	7	0.05	256	7	5	0.06	160	8	2.37	63	111
Recreation and culture	5.39	13	0.32	441	42	5	0.15	177	19	2.63	40	46
Restaurants and hotels	4.50	8	0.15	280	20	3	0.08	94	10	1.39	34	52
Other consumption expenditure items	6.56	28	0.13	957	18	14	0.09	468	12	6.94	49	67
Individual Consumption Expenditure by Government	3.60	15	0.08	516	10	4	0.04	139	5	2.05	27	45
Collective Consumption Expenditure by Government	5.99	40	0.27	1,405	35	18	0.19	628	24	9.29	45	69
Gross Fixed Capital Formation	7.14	116	0.16	4,033	20	62	0.11	2,149	15	31.81	53	73
Machinery and equipment	11.54	15	0.14	529	18	13	0.11	455	15	6.74	86	82
Construction	4.86	102	0.15	3,541	20	37	0.10	1,284	13	19.01	36	67
Change in Inventories and Net Acquisitions of Valuables	6.44	56	1.25	1,957	165	27	0.92	940	121	13.92	48	73
Balance of Exports and Imports	13.41	-66	-2.81	-2,282	-369	-66	-2.81	-2,282	-369	-33.79	100	100
Individual Consumption Expenditure by Households and NPISH	4.89	410	0.35	14,212	46	149	0.22	5,180	29	76.70	36	63
Government Final Consumption Expenditure	5.05	59	0.17	2,035	23	22	0.10	766	14	11.35	38	60
Actual Individual Consumption by Households ^a	4.74	434	0.32	15,041	42	153	0.19	5,319	26	78.76	35	60
All goods	6.54	239	0.43	8,303	57	117	0.31	4,049	41	59.95	49	71
Non-durables	5.71	245	0.55	8,505	72	104	0.39	3,622	52	53.63	43	72
Semi-durables	5.77	14	0.22	491	28	6	0.11	211	14	3.13	43	50
Durables	12.21	7	0.11	237	14	6	0.11	216	15	3.19	91	102
Services	3.31	120	0.20	4,174	27	30	0.10	1,030	13	15.25	25	49

Reference Data

Exchange rate (Local Currency Units/Hong Kong dollar)	13.41
Total Population (in million)	28.83

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

Nepal, 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	4.83	299	0.21	11,270	28	152	0.15	5,720	20	100.00	51	73
Actual Individual Consumption by Households ^a	4.44	259	0.33	9,773	44	121	0.24	4,561	32	79.74	47	73
Food and non-alcoholic beverages	5.11	127	0.71	4,786	95	68	0.58	2,572	78	44.98	54	82
Food	5.04	127	0.73	4,787	98	67	0.59	2,538	80	44.37	53	81
Bread and cereals	5.49	48	1.23	1,823	165	28	0.99	1,051	133	18.38	58	80
Meat and fish	5.42	20	0.47	736	64	11	0.39	420	52	7.34	57	82
Fruits and vegetables	3.86	28	0.61	1,074	82	12	0.45	436	60	7.63	41	73
Other food and non-alcoholic beverages	5.51	30	0.57	1,146	77	18	0.50	665	68	11.62	58	88
Clothing and footwear	5.07	6	0.17	211	23	3	0.10	113	14	1.97	53	61
Clothing	5.20	5	0.17	171	23	2	0.10	94	14	1.64	55	61
Housing, water, electricity, gas and other fuels	3.17	41	0.27	1,536	36	14	0.19	512	26	8.96	33	71
Health and education	2.07	52	0.24	1,966	33	11	0.12	429	16	7.50	22	48
Health	2.02	24	0.19	889	26	5	0.10	188	13	3.29	21	49
Education	2.13	28	0.29	1,074	39	6	0.14	240	19	4.20	22	49
Transportation and communication	8.30	6	0.07	225	9	5	0.09	196	11	3.42	87	121
Transportation	8.22	4	0.06	156	8	4	0.08	135	11	2.36	86	132
Recreation and culture	6.81	7	0.24	252	33	5	0.20	180	27	3.15	72	82
Restaurants and hotels	4.66	5	0.13	181	17	2	0.09	89	12	1.55	49	72
Other consumption expenditure items	5.00	24	0.21	922	29	13	0.15	485	21	8.48	53	72
Individual Consumption Expenditure by Government	3.45	14	0.11	516	15	5	0.07	188	10	3.28	36	65
Collective Consumption Expenditure by Government	5.39	17	0.17	635	22	10	0.15	360	20	6.30	57	87
Gross Fixed Capital Formation	6.09	51	0.10	1,911	14	32	0.08	1,225	11	21.41	64	83
Machinery and equipment	8.73	8	0.07	290	9	7	0.06	267	8	4.66	92	92
Construction	4.20	41	0.10	1,544	14	18	0.08	681	10	11.91	44	76
Change in Inventories and Net Acquisitions of Valuables	5.65	42	1.13	1,596	152	25	0.90	948	121	16.57	59	80
Balance of Exports and Imports	9.51	-36	-1.80	-1,374	-242	-36	-1.80	-1,374	-242	-24.02	100	100
Individual Consumption Expenditure by Households and NPISH	4.56	242	0.35	9,122	47	116	0.26	4,373	36	76.46	48	75
Government Final Consumption Expenditure	4.52	31	0.14	1,151	19	15	0.11	548	15	9.58	48	77
Actual Individual Consumption by Households ^a	4.44	259	0.33	9,773	44	121	0.24	4,561	32	79.74	47	73
All goods	5.74	146	0.41	5,498	55	88	0.32	3,318	44	58.02	60	80
Non-durables	4.90	153	0.53	5,775	71	79	0.41	2,977	56	52.04	52	78
Semi-durables	5.68	7	0.17	270	22	4	0.10	161	14	2.82	60	62
Durables	12.03	4	0.10	142	13	5	0.13	180	17	3.15	127	127
Services	3.45	71	0.23	2,688	31	26	0.15	974	21	17.03	36	66

Reference Data

Exchange rate (Local Currency Units/Hong Kong dollar)	9.51
Total Population (in million)	26.49

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.