14 U.S. DOLLAR RATES OF SELECTED CURRENCIES

period averages

Period		Phil Peso	Japanese Yen	Euro	Pound Sterling	Canadian Dollar	Swiss Franc	Brunei Dollar	Australian Dollar	Hongkong Dollar	N T Dollar	S. Korean Won	Singapore Dollar	Malaysian Ringgit	Thai Baht	Indonesian Rupiah	Saudi Rial	Chinese Yuan	UAE Dirham	S.D.R.
2011		0.023088	0.012551	1.392043	1.603748	1.011648	1.131208	0.792559	1.031877	0.128472	0.034049	0.000904	0.795714	0.327236	0.032833	0.000114	0.266663	0.154659	0.272274	1.578551
2012		0.023681	0.012546	1.286018	1.585088	1.000821	1.067064	0.797516	1.035595	0.128921	0.033826	0.000888	0.800710	0.324022	0.032198	0.000107	0.266660	0.158492	0.272267	1.531489
2013		0.023559	0.010270	1.328200	1.564075	0.971368	1.079186	0.796510	0.968126	0.128928	0.033705	0.000914	0.799695	0.317925	0.032621	0.000097	0.266653	0.162634	0.272268	1.519513
2014		0.022525	0.009481	1.330108	1.648552	0.906367	1.094889	0.786830	0.903479	0.128960	0.033022	0.000951	0.789939	0.306018	0.030799	0.000084	0.266612	0.162341	0.272264	1.520283
2015		0.021977	0.008265	1.110605	1.529313	0.784142	1.040410	0.725704	0.753212	0.128995	0.031530	0.000886	0.728348	0.258095	0.029275	0.000075	0.266613	0.159206	0.272274	1.399404
2016		0.021056	0.009215	1.107112	1.356921	0.755322	1.015642	0.722169	0.743663	0.128831	0.031037	0.000863	0.724787	0.241843	0.028347	0.000075	0.266677	0.150622	0.272286	1.390251
2017	**Ave**	**0.019840**	**0.008918**	**1.129426**	**1.288756**	**0.771255**	**1.016099**	**0.721927**	**0.766506**	**0.128339**	**0.032881**	**0.000885**	**0.724543**	**0.232734**	**0.029487**	**0.000075**	**0.266671**	**0.147966**	**0.272290**	**1.386472**
	January	0.020106	0.008701	1.062286	1.233333	0.756706	0.991589	0.697438	0.745133	0.128931	0.031551	0.000847	0.699879	0.224344	0.028190	0.000075	0.266695	0.144999	0.272286	1.350920
	February	0.020015	0.008852	1.065540	1.250155	0.763726	0.999587	0.704632	0.766115	0.128875	0.032404	0.000876	0.707124	0.225205	0.028560	0.000075	0.266693	0.145488	0.272298	1.355531
	March	0.019891	0.008859	1.068857	1.234313	0.747518	0.998123	0.709421	0.762391	0.128780	0.032643	0.000883	0.711947	0.225434	0.028667	0.000075	0.266698	0.145009	0.272303	1.354679
	April	0.020055	0.009078	1.071676	1.262371	0.745343	0.999256	0.712647	0.754588	0.128652	0.032907	0.000883	0.715195	0.226781	0.029052	0.000075	0.266670	0.145140	0.272284	1.360298
	May	0.020056	0.008907	1.105041	1.292427	0.735397	1.013345	0.714391	0.743291	0.128432	0.033199	0.000889	0.716953	0.231705	0.029009	0.000075	0.266666	0.145138	0.272286	1.374636
	June	0.020060	0.009019	1.123530	1.281400	0.751282	1.033231	0.720269	0.754500	0.128244	0.033062	0.000885	0.722873	0.233901	0.029412	0.000075	0.266663	0.146845	0.272291	1.383482
	July	0.019748	0.008894	1.151443	1.299119	0.786312	1.042215	0.726462	0.778605	0.128065	0.032889	0.000882	0.729111	0.233185	0.029620	0.000075	0.266672	0.147601	0.272278	1.394424
	August	0.019656	0.009100	1.181476	1.297952	0.792932	1.035273	0.732307	0.791419	0.127870	0.033069	0.000885	0.734998	0.233499	0.030069	0.000075	0.266665	0.149789	0.272281	1.411015
	September	0.019604	0.009028	1.190705	1.331979	0.813520	1.039298	0.738073	0.796811	0.127977	0.033204	0.000883	0.740807	0.237410	0.030178	0.000075	0.266662	0.152266	0.272276	1.420247
	October	0.019477	0.008855	1.176410	1.320480	0.795572	1.020161	0.732807	0.779505	0.128105	0.033035	0.000881	0.735502	0.236560	0.030082	0.000074	0.266658	0.150825	0.272285	1.409995
	November	0.019593	0.008862	1.173290	1.320780	0.784291	1.008253	0.734816	0.762740	0.128129	0.033240	0.000907	0.737526	0.239564	0.030364	0.000074	0.266654	0.151001	0.272290	1.407780
	December	0.019843	0.008858	1.182858	1.340763	0.782458	1.012856	0.739861	0.762968	0.128011	0.033366	0.000922	0.742609	0.245225	0.030641	0.000074	0.266658	0.151499	0.272317	1.414663
2018	**Ave**	**0.018989**	**0.009057**	**1.181482**	**1.335866**	**0.772340**	**1.023134**	**0.738933**	**0.748254**	**0.127604**	**0.033206**	**0.000910**	**0.741674**	**0.248161**	**0.030965**	**0.000070**	**0.266636**	**0.151444**	**0.272282**	**1.416095**
	January	0.019799	0.009016	1.219557	1.381305	0.804447	1.040113	0.753945	0.795210	0.127893	0.033990	0.000938	0.756799	0.252926	0.031330	0.000075	0.266656	0.155446	0.272297	1.437267
	February	0.019310	0.009254	1.234763	1.397726	0.795982	1.069851	0.755041	0.787532	0.127850	0.034202	0.000927	0.757903	0.255817	0.031774	0.000074	0.266662	0.158271	0.272293	1.451971
	March	0.019206	0.009432	1.233610	1.395945	0.773783	1.056525	0.757317	0.777190	0.127561	0.034240	0.000933	0.760195	0.255910	0.031979	0.000073	0.266658	0.158134	0.272290	1.452152
	April	0.019194	0.009303	1.228625	1.408355	0.785734	1.034171	0.757585	0.768950	0.127422	0.034088	0.000937	0.760465	0.257505	0.031962	0.000073	0.266664	0.158900	0.272286	1.451422
	May	0.019159	0.009110	1.181476	1.346748	0.777337	1.002594	0.743867	0.752486	0.127410	0.033497	0.000929	0.746644	0.252584	0.031301	0.000071	0.266652	0.156946	0.272275	1.424017
	June	0.018851	0.009093	1.167347	1.328716	0.761795	1.010593	0.739144	0.749126	0.127440	0.033257	0.000914	0.741886	0.250288	0.030823	0.000072	0.266656	0.154798	0.272278	1.413764
	July	0.018715	0.008978	1.168777	1.317668	0.761354	1.005687	0.731079	0.740232	0.127431	0.032754	0.000892	0.733761	0.247124	0.030058	0.000070	0.266650	0.149063	0.272275	1.405344
	August	0.018771	0.009002	1.155110	1.289305	0.767212	1.011471	0.728167	0.733348	0.127401	0.032583	0.000893	0.730828	0.244590	0.030256	0.000069	0.266645	0.146034	0.272273	1.395748
	September	0.018538	0.008937	1.166100	1.305470	0.766907	1.033516	0.726751	0.719975	0.127576	0.032548	0.000893	0.729402	0.241737	0.030664	0.000067	0.266636	0.145934	0.272279	1.400625
	October	0.018516	0.008864	1.149461	1.301974	0.769298	1.007356	0.722659	0.710757	0.127610	0.032392	0.000884	0.725279	0.240683	0.030540	0.000066	0.266606	0.144493	0.272284	1.391461
	November	0.018936	0.008823	1.136305	1.290784	0.757592	0.999180	0.724716	0.724132	0.127733	0.032463	0.000888	0.727352	0.239033	0.030339	0.000068	0.266576	0.144126	0.272272	1.384689
	December	0.018950	0.008869	1.136647	1.266400	0.746636	1.006549	0.726918	0.720118	0.127921	0.032459	0.000891	0.729570	0.239730	0.030553	0.000069	0.266572	0.145178	0.272280	1.384675
2019	**Ave**	**0.019110**	**0.009120**	**1.138493**	**1.294877**	**0.754007**	**1.004910**	**0.735322**	**0.714476**	**0.127483**	**0.032475**	**0.000892**	**0.738036**	**0.244120**	**0.031679**	**0.000071**	**0.266641**	**0.147866**	**0.272275**	**1.392586**
	January	0.019059	0.009176	1.141941	1.289355	0.751123	1.011389	0.734516	0.714568	0.127541	0.032469	0.000892	0.737224	0.242929	0.031386	0.000071	0.266622	0.147140	0.272273	1.393547
	February	0.019161	0.009065	1.135044	1.300400	0.756890	0.998431	0.736128	0.714383	0.127426	0.032480	0.000892	0.738847	0.245312	0.031971	0.000071	0.266660	0.148593	0.272277	1.391624

US Dollar per Philippine Peso annual average is the reciprocal of the Philippine Peso per US Dollar annual average

Source: Reference Exchange Rate Bulletin, Treasury Department, Bangko Sentral ng Pilipinas

14.1 U.S. DOLLAR RATES OF SELECTED CURRENCIES

year-on-year % appreciation (+) / depreciation (-) of selected currencies vs. the US Dollar

period averages

Period	Phil Peso	Japanese Yen	Euro	Pound Sterling	Canadian Dollar	Swiss Franc	Brunei Dollar	Australian Dollar	Hongkong Dollar	N T Dollar	S. Korean Won	Singapore Dollar	Malaysian Ringgit	Thai Baht	Indonesian Rupiah	Saudi Rial	Chinese Yuan	UAE Dirham	S.D.R.
2011	4.15	9.97	4.85	3.67	4.19	17.72	8.32	12.25	-0.20	7.25	4.38	8.35	5.27	3.98	3.65	0.00	4.70	-0.01	3.45
2012	2.57	-0.04	-7.62	-1.16	-1.07	-5.67	0.63	0.36	0.35	-0.65	-1.76	0.63	-0.98	-1.94	-6.33	0.00	2.48	0.00	-2.98
2013	-0.51	-18.14	3.28	-1.33	-2.94	1.14	-0.13	-6.51	0.01	-0.36	2.99	-0.13	-1.88	1.31	-9.76	0.00	2.61	0.00	-0.78
2014	-4.39	-7.69	0.14	5.40	-6.69	1.46	-1.22	-6.68	0.02	-2.03	3.97	-1.22	-3.74	-5.58	-12.55	-0.02	-0.18	0.00	0.05
2015	-2.43	-12.82	-16.50	-7.23	-13.49	-4.98	-7.77	-16.63	0.03	-4.52	-6.84	-7.80	-15.66	-4.95	-11.31	0.00	-1.93	0.00	-7.95
2016	-4.19	11.49	-0.31	-11.27	-3.68	-2.38	-0.49	-1.27	-0.13	-1.57	-2.55	-0.49	-6.30	-3.17	0.41	0.02	-5.39	0.00	-0.65
2017	**-5.78**	**-3.23**	**2.02**	**-5.02**	**2.11**	**0.04**	**-0.03**	**3.07**	**-0.38**	**5.94**	**2.56**	**-0.03**	**-3.77**	**4.02**	**-0.57**	**0.00**	**-1.76**	**0.00**	**-0.27**
January	-4.47	2.80	-2.29	-14.44	7.56	-0.27	0.26	6.22	0.31	5.36	1.73	0.26	-2.50	1.94	3.90	0.04	-4.75	0.00	-2.26
February	-4.65	1.81	-4.05	-12.81	5.47	-0.77	-0.66	7.44	0.31	7.67	6.34	-0.66	-6.05	1.70	1.42	-0.01	-4.74	0.01	-2.74
March	-7.06	0.09	-3.83	-13.35	-1.08	-1.90	-2.18	1.96	-0.05	6.48	4.75	-2.19	-7.96	1.10	-1.01	-0.01	-5.61	0.01	-2.80
April	-7.18	-0.32	-5.48	-11.75	-4.32	-3.70	-3.46	-1.48	-0.22	6.36	1.18	-3.47	-11.63	1.93	-1.25	-0.02	-6.01	0.00	-3.41
May	-6.13	-3.05	-2.30	-11.08	-4.98	-0.98	-1.83	1.53	-0.29	8.04	4.25	-1.83	-6.59	2.65	0.38	0.00	-5.25	0.00	-2.61
June	-6.79	-4.65	-0.07	-10.12	-3.14	0.19	-2.13	2.03	-0.46	6.87	3.24	-2.14	-4.54	3.85	0.30	-0.02	-3.24	0.00	-1.73
July	-7.07	-7.28	4.08	-1.30	2.45	2.35	-1.53	3.51	-0.67	5.60	0.80	-1.54	-6.46	3.78	-1.32	0.01	-1.41	0.00	0.29
August	-8.24	-7.88	5.41	-1.00	3.03	0.43	-1.07	3.78	-0.83	4.28	-1.82	-1.07	-6.06	4.42	-1.26	-0.01	-0.43	0.00	0.86
September	-7.02	-8.03	6.21	1.27	6.47	1.21	0.64	5.06	-0.74	4.48	-2.10	0.65	-2.62	4.72	-1.36	0.00	1.61	0.00	1.54
October	-5.83	-8.24	6.57	6.70	5.16	0.58	1.62	2.32	-0.63	4.24	-0.96	1.63	-1.38	5.40	-3.90	0.00	1.39	0.00	2.01
November	-3.69	-4.20	8.63	6.20	5.38	0.33	3.92	1.21	-0.62	5.50	5.44	3.93	3.40	7.20	-1.73	-0.01	3.27	0.00	2.96
December	-1.15	2.61	12.15	7.26	4.32	3.24	6.53	3.74	-0.68	6.62	8.82	6.55	9.24	9.56	-0.67	0.00	4.79	0.01	4.95
2018	**-4.29**	**1.56**	**4.61**	**3.66**	**0.14**	**0.69**	**2.36**	**-2.38**	**-0.57**	**0.99**	**2.78**	**2.36**	**6.63**	**5.01**	**-5.68**	**-0.01**	**2.35**	**0.00**	**2.14**
January	-1.53	3.62	14.81	12.00	6.31	4.89	8.10	6.72	-0.80	7.73	10.80	8.13	12.74	11.14	-0.19	-0.01	7.21	0.00	6.39
February	-3.52	4.54	15.88	11.80	4.22	7.03	7.15	2.80	-0.80	5.55	5.83	7.18	13.59	11.25	-1.96	-0.01	8.79	0.00	7.11
March	-3.44	6.48	15.41	13.09	3.51	5.85	6.75	1.94	-0.95	4.89	5.67	6.78	13.52	11.56	-2.67	-0.01	9.05	0.00	7.20
April	-4.29	2.47	14.65	11.56	5.42	3.49	6.31	1.90	-0.96	3.59	6.11	6.33	13.55	10.02	-3.07	0.00	9.48	0.00	6.70
May	-4.47	2.27	6.92	4.20	5.70	-1.06	4.13	1.24	-0.80	0.90	4.54	4.14	9.01	7.90	-4.89	-0.01	8.14	0.00	3.59
June	-6.03	0.81	3.90	3.69	1.40	-2.19	2.62	-0.71	-0.63	0.59	3.25	2.63	7.01	4.80	-4.49	0.00	5.42	0.00	2.19
July	-5.23	0.95	1.51	1.43	-3.17	-3.50	0.64	-4.93	-0.49	-0.41	1.04	0.64	5.98	1.48	-7.21	-0.01	0.99	0.00	0.78
August	-4.50	-1.07	-2.23	-0.67	-3.24	-2.30	-0.57	-7.34	-0.37	-1.47	0.86	-0.57	4.75	0.62	-8.44	-0.01	-2.51	0.00	-1.08
September	-5.44	-1.01	-2.07	-1.99	-5.73	-0.56	-1.53	-9.64	-0.31	-1.98	1.16	-1.54	1.82	1.61	-10.59	-0.01	-4.16	0.00	-1.38
October	-4.93	0.10	-2.29	-1.40	-3.30	-1.26	-1.38	-8.82	-0.39	-1.95	0.29	-1.39	1.74	1.52	-10.63	-0.02	-4.20	0.00	-1.31
November	-3.35	-0.45	-3.15	-2.27	-3.40	-0.90	-1.37	-5.06	-0.31	-2.34	-2.12	-1.38	-0.22	-0.08	-7.61	-0.03	-4.55	-0.01	-1.64
December	-4.50	0.13	-3.91	-5.55	-4.58	-0.62	-1.75	-5.62	-0.07	-2.72	-3.34	-1.76	-2.24	-0.29	-6.52	-0.03	-4.17	-0.01	-2.12
2019	**-2.26**	**-0.16**	**-7.23**	**-6.81**	**-5.77**	**-4.75**	**-2.54**	**-9.72**	**-0.30**	**-4.76**	**-4.31**	**-2.55**	**-4.03**	**0.40**	**-4.23**	**-0.01**	**-5.73**	**-0.01**	**-3.60**
January	-3.73	1.77	-6.36	-6.66	-6.63	-2.76	-2.58	-10.14	-0.28	-4.48	-4.86	-2.59	-3.95	0.18	-5.46	-0.01	-5.34	-0.01	-3.04
February	-0.77	-2.05	-8.08	-6.96	-4.91	-6.68	-2.50	-9.29	-0.33	-5.03	-3.76	-2.51	-4.11	0.62	-2.98	0.00	-6.11	-0.01	-4.16

Source: Reference Exchange Rate Bulletin, Treasury Department, Bangko Sentral ng Pilipinas