

# 14 U.S. DOLLAR RATES OF SELECTED CURRENCIES

period averages

| Period          | Phil<br>Peso    | Japanese<br>Yen | Euro            | Pound<br>Sterling | Canadian<br>Dollar | Swiss<br>Franc  | Brunei<br>Dollar | Australian<br>Dollar | Hongkong<br>Dollar | N T<br>Dollar   | S. Korean<br>Won | Singapore<br>Dollar | Malaysian<br>Ringgit | Thai<br>Baht    | Indonesian<br>Rupiah | Saudi<br>Rial   | Chinese<br>Yuan | UAE<br>Dirham   | S.D.R.          |
|-----------------|-----------------|-----------------|-----------------|-------------------|--------------------|-----------------|------------------|----------------------|--------------------|-----------------|------------------|---------------------|----------------------|-----------------|----------------------|-----------------|-----------------|-----------------|-----------------|
| 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            | 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        |
| <b>2018 Ave</b> | <b>0.018989</b> | <b>0.009057</b> | <b>1.181482</b> | <b>1.335866</b>   | <b>0.772340</b>    | <b>1.023134</b> | <b>0.738933</b>  | <b>0.748254</b>      | <b>0.127604</b>    | <b>0.033206</b> | <b>0.000910</b>  | <b>0.741674</b>     | <b>0.248161</b>      | <b>0.030965</b> | <b>0.000070</b>      | <b>0.266636</b> | <b>0.151444</b> | <b>0.272282</b> | <b>1.416095</b> |
| 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        |
| <b>2019 Ave</b> | <b>0.019272</b> | <b>0.009175</b> | <b>1.120358</b> | <b>1.274015</b>   | <b>0.753242</b>    | <b>1.005594</b> | <b>0.730211</b>  | <b>0.695784</b>      | <b>0.127589</b>    | <b>0.032316</b> | <b>0.000860</b>  | <b>0.732887</b>     | <b>0.241601</b>      | <b>0.032143</b> | <b>0.000071</b>      | <b>0.266647</b> | <b>0.145044</b> | <b>0.272274</b> | <b>1.381918</b> |
| 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        |
| March           | 0.019079        | 0.008998        | 1.130871        | 1.318743          | 0.748722           | 0.999840        | 0.735971         | 0.708281             | 0.127402           | 0.032418        | 0.000885         | 0.738689            | 0.245324             | 0.031542        | 0.000071             | 0.266667        | 0.148962        | 0.272276        | 1.392053        |
| April           | 0.019189        | 0.008960        | 1.122900        | 1.303439          | 0.747351           | 0.993480        | 0.734821         | 0.710661             | 0.127479           | 0.032424        | 0.000876         | 0.737531            | 0.243500             | 0.031423        | 0.000071             | 0.266663        | 0.148858        | 0.272277        | 1.387202        |
| May             | 0.019134        | 0.009089        | 1.118290        | 1.284595          | 0.743016           | 0.989824        | 0.726659         | 0.693981             | 0.127419           | 0.032030        | 0.000846         | 0.729309            | 0.239955             | 0.031435        | 0.000069             | 0.266674        | 0.145906        | 0.272274        | 1.381580        |
| June            | 0.019304        | 0.009254        | 1.128633        | 1.267044          | 0.752148           | 1.011479        | 0.731198         | 0.693894             | 0.127773           | 0.032001        | 0.000853         | 0.733881            | 0.240288             | 0.032089        | 0.000070             | 0.266658        | 0.144912        | 0.272274        | 1.384814        |
| July            | 0.019553        | 0.009241        | 1.122661        | 1.248870          | 0.763666           | 1.012929        | 0.732494         | 0.698574             | 0.128013           | 0.032199        | 0.000851         | 0.735187            | 0.242563             | 0.032477        | 0.000071             | 0.266654        | 0.145393        | 0.272271        | 1.382120        |
| August          | 0.019211        | 0.009398        | 1.112489        | 1.215295          | 0.753913           | 1.020687        | 0.719896         | 0.677053             | 0.127531           | 0.031884        | 0.000827         | 0.722496            | 0.239117             | 0.032517        | 0.000070             | 0.266625        | 0.141874        | 0.272272        | 1.373325        |
| September       | 0.019192        | 0.009313        | 1.101381        | 1.234919          | 0.755172           | 1.010061        | 0.722034         | 0.680486             | 0.127624           | 0.032165        | 0.000837         | 0.724650            | 0.239028             | 0.032725        | 0.000071             | 0.266610        | 0.140453        | 0.272273        | 1.368565        |
| October         | 0.019416        | 0.009247        | 1.104709        | 1.263009          | 0.757989           | 1.006602        | 0.726685         | 0.678883             | 0.127519           | 0.032579        | 0.000845         | 0.729336            | 0.238871             | 0.032930        | 0.000071             | 0.266621        | 0.140945        | 0.272274        | 1.371228        |
| November        | 0.019713        | 0.009186        | 1.105020        | 1.288495          | 0.755670           | 1.007349        | 0.731917         | 0.682855             | 0.127755           | 0.032824        | 0.000857         | 0.734605            | 0.240721             | 0.033073        | 0.000071             | 0.266667        | 0.142449        | 0.272272        | 1.375041        |

Note: Annual averages of the US Dollar per Philippine Peso are computed as the reciprocal of the Philippine Peso per US Dollar.

Source: Reference Exchange Rate Bulletin, 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<br>Peso | Japanese<br>Yen | Euro         | Pound<br>Sterling | Canadian<br>Dollar | Swiss<br>Franc | Brunei<br>Dollar | Australian<br>Dollar | Hongkong<br>Dollar | N T<br>Dollar | S. Korean<br>Won | Singapore<br>Dollar | Malaysian<br>Ringgit | Thai<br>Baht | Indonesian<br>Rupiah | Saudi<br>Rial | Chinese<br>Yuan | UAE<br>Dirham | S.D.R.       |
|-------------|--------------|-----------------|--------------|-------------------|--------------------|----------------|------------------|----------------------|--------------------|---------------|------------------|---------------------|----------------------|--------------|----------------------|---------------|-----------------|---------------|--------------|
| 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        |
| <b>2018</b> | <b>-4.29</b> | <b>1.56</b>     | <b>4.61</b>  | <b>3.66</b>       | <b>0.14</b>        | <b>0.69</b>    | <b>2.36</b>      | <b>-2.38</b>         | <b>-0.57</b>       | <b>0.99</b>   | <b>2.78</b>      | <b>2.36</b>         | <b>6.63</b>          | <b>5.01</b>  | <b>-5.68</b>         | <b>-0.01</b>  | <b>2.35</b>     | <b>0.00</b>   | <b>2.14</b>  |
| 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        |
| <b>2019</b> | <b>1.47</b>  | <b>1.12</b>     | <b>-5.50</b> | <b>-5.08</b>      | <b>-2.77</b>       | <b>-1.86</b>   | <b>-1.33</b>     | <b>-7.33</b>         | <b>0.01</b>        | <b>-2.88</b>  | <b>-5.66</b>     | <b>-1.33</b>        | <b>-2.94</b>         | <b>3.68</b>  | <b>0.09</b>          | <b>0.00</b>   | <b>-4.58</b>    | <b>0.00</b>   | <b>-2.61</b> |
| 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        |
| March       | -0.66        | -4.60           | -8.33        | -5.53             | -3.24              | -5.37          | -2.82            | -8.87                | -0.12              | -5.32         | -5.18            | -2.83               | -4.14                | -1.37        | -3.39                | 0.00          | -5.80           | -0.01         | -4.14        |
| April       | -0.03        | -3.69           | -8.61        | -7.45             | -4.89              | -3.93          | -3.00            | -7.58                | 0.04               | -4.88         | -6.47            | -3.02               | -5.44                | -1.69        | -2.72                | 0.00          | -6.32           | 0.00          | -4.42        |
| May         | -0.13        | -0.23           | -5.35        | -4.61             | -4.42              | -1.33          | -2.31            | -7.77                | 0.01               | -4.38         | -8.98            | -2.32               | -5.00                | 0.43         | -2.60                | 0.01          | -7.03           | 0.00          | -2.98        |
| June        | 2.40         | 1.77            | -3.32        | -4.64             | -1.27              | 0.09           | -1.08            | -7.37                | 0.26               | -3.78         | -6.71            | -1.08               | -4.00                | 4.11         | -1.81                | 0.00          | -6.39           | 0.00          | -2.05        |
| July        | 4.48         | 2.93            | -3.95        | -5.22             | 0.30               | 0.72           | 0.19             | -5.63                | 0.46               | -1.69         | -4.57            | 0.19                | -1.85                | 8.05         | 2.52                 | 0.00          | -2.46           | 0.00          | -1.65        |
| August      | 2.34         | 4.39            | -3.69        | -5.74             | -1.73              | 0.91           | -1.14            | -7.68                | 0.10               | -2.15         | -7.31            | -1.14               | -2.24                | 7.47         | 2.17                 | -0.01         | -2.85           | 0.00          | -1.61        |
| September   | 3.53         | 4.21            | -5.55        | -5.40             | -1.53              | -2.27          | -0.65            | -5.48                | 0.04               | -1.18         | -6.34            | -0.65               | -1.12                | 6.72         | 5.73                 | -0.01         | -3.76           | 0.00          | -2.29        |
| October     | 4.86         | 4.32            | -3.89        | -2.99             | -1.47              | -0.07          | 0.56             | -4.48                | -0.07              | 0.58          | -4.45            | 0.56                | -0.75                | 7.82         | 7.24                 | 0.01          | -2.46           | 0.00          | -1.45        |
| November    | 4.10         | 4.11            | -2.75        | -0.18             | -0.25              | 0.82           | 0.99             | -5.70                | 0.02               | 1.11          | -3.55            | 1.00                | 0.71                 | 9.01         | 3.92                 | 0.03          | -1.16           | 0.00          | -0.70        |

Source: Reference Exchange Rate Bulletin, Bangko Sentral ng Pilipinas