

Information & Communication Technology Stats Brief Q1, 2021

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STATISTICS BOTSWANA

1. INTRODUCTION

This Stats Brief presents Botswana Information and Communications Technology Statistics for Q1 2021. It contains statistics relating to ICT infrastructure and services, as well as the contribution of Information and Communication Technology Sector to the economy.

The fixed telephone line subscriptions went down by 0.1 percent in Q1 2021. They fell from 140,003 which was registered in Q4 2020 to 139,930 in this quarter. Subscriptions on mobile cellular telephones recorded an increase. They rose from 3,829,408 registered in Q4 2020 to 3,876,773 in Q1 2021, thus increasing by 1.2 percent. Internet subscriptions also increased. They went up by 1.4 percent in Q1 2021, from 2,290,332 in Q4 2020 to 2,323,120.

In Q1 2021, fixed telephone to mobile telephone and mobile telephone to fixed telephone domestic calls traffic, decreased by 7.5 and 7.7 percent respectively. Outgoing international calls from fixed telephones and those from mobile telephones both went down by 14.0 and 9.6 percent respectively.

For more information and further enquiries, contact the Directorate of Stakeholder Relations on +267 367 1300. This publication, and all other Statistics Botswana outputs/publications are available on the website at <http://www.statsbots.org.bw> and at the Statistics Botswana Information Resource Centre (Head-Office, Gaborone).

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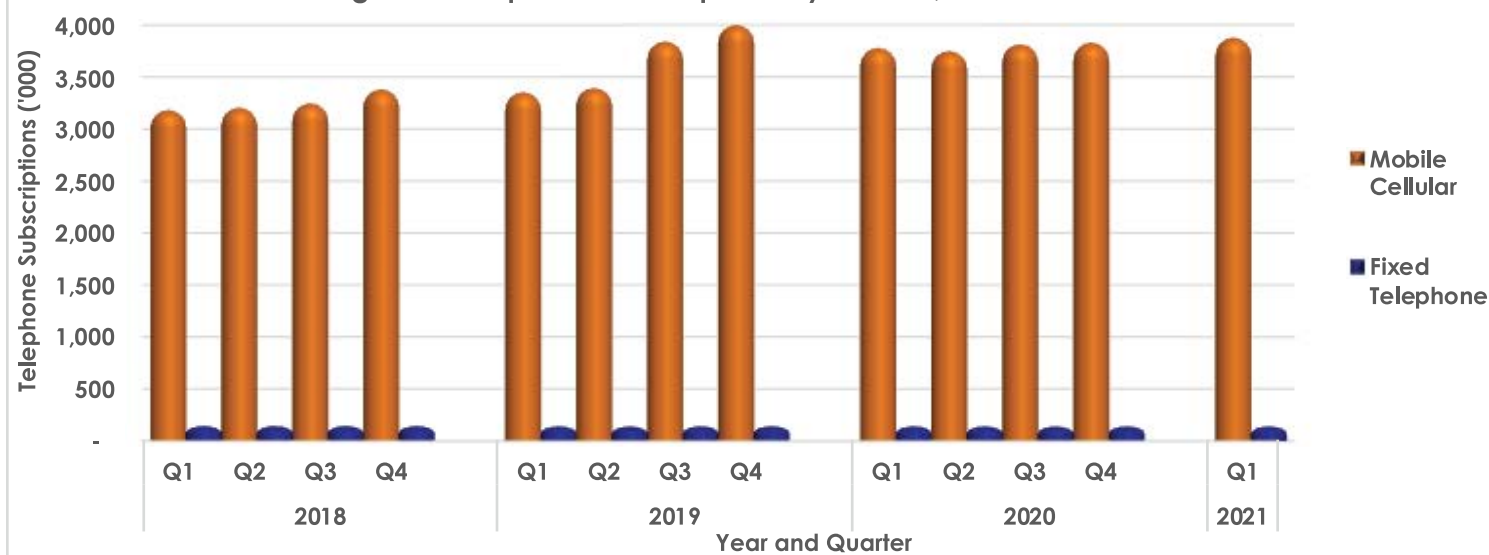


Dr. Burton Mguni
Statistician General
June 2021

2. TELECOMMUNICATION

2.1 Fixed Telephone Lines and Mobile Cellular Telephone Subscriptions

Figure 1: Telephone Subscriptions by Quarter, Q1 2018 - Q1 2021



The fixed telephone lines subscriptions declined by 0.1 percent in Q1 2021. They decreased from 140,003 registered in Q4 2020 to 139,930 in Q1 2021. Mobile cellular telephone subscriptions registered a slight increase of 1.2 percent in Q1 2021 at 3,876,773 from 3,829,408 in Q4 2020.

Comparing Q1 2021 to the same quarter of 2020 (Q1 2020), fixed telephone lines went down by 0.6 percent while mobile cellular telephone subscriptions rose by 2.6 percent. This is illustrated in **Figure 1** above and **Table 2.1** below. More details are shown in **Table 1** in the **Appendix**.

Table 2.1: Telephone Subscriptions by Quarter and Year, Q1 2019 - Q1 2021

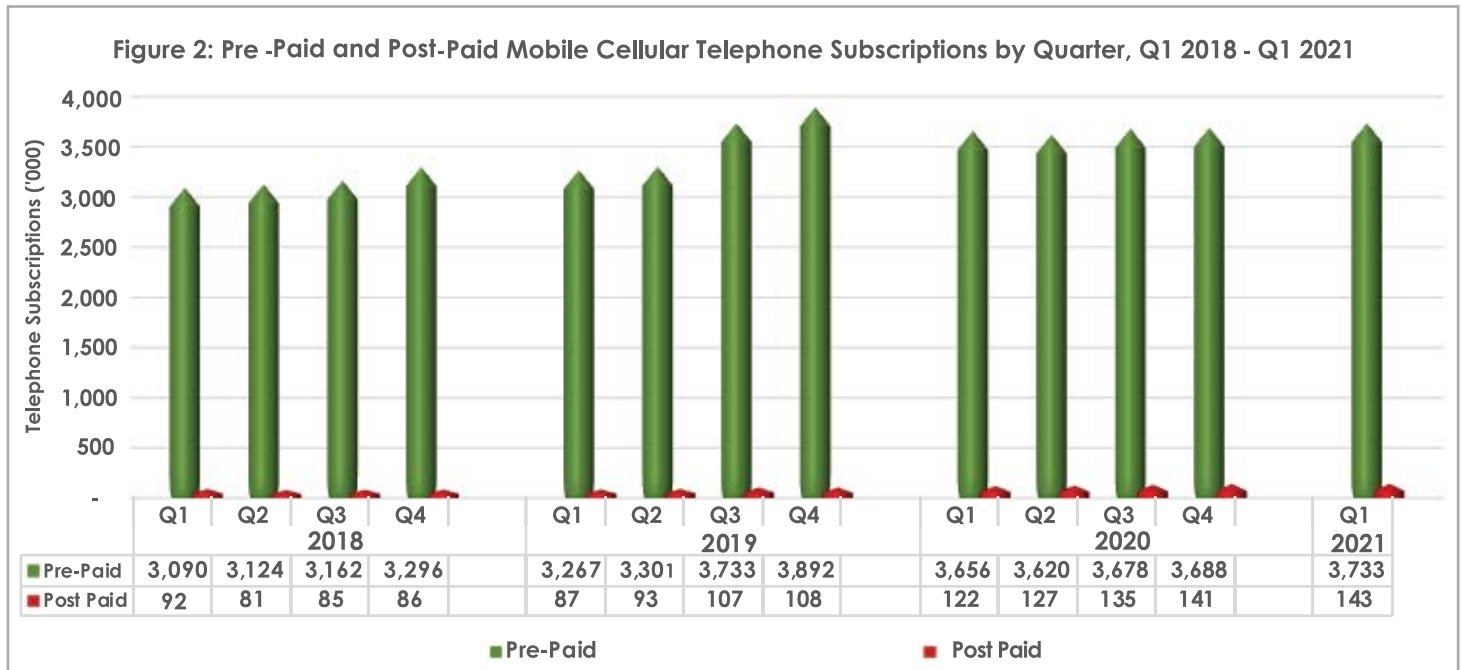
| Telephone Subscriptions | 2019 | | | | 2020 | | | | 2021 |
|------------------------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|------------------|
| | Quarter 1 | Quarter 2 | Quarter 3 | Quarter 4 | Quarter 1 | Quarter 2 | Quarter 3 | Quarter 4 | Quarter 1 |
| Numbers | | | | | | | | | |
| Fixed Telephone | 140,202 | 138,831 | 140,491 | 141,896 | 140,722 | 140,055 | 139,281 | 140,003 | 139,930 |
| Mobile Cellular Telephone | | | | | | | | | |
| Pre-Paid | 3,266,527 | 3,300,897 | 3,733,341 | 3,891,733 | 3,656,209 | 3,620,072 | 3,678,386 | 3,688,472 | 3,733,282 |
| Post Paid | 86,810 | 92,571 | 106,677 | 107,511 | 122,492 | 127,250 | 134,809 | 140,936 | 143,491 |
| Total | 3,353,337 | 3,393,468 | 3,840,018 | 3,999,244 | 3,778,701 | 3,747,322 | 3,813,195 | 3,829,408 | 3,876,773 |
| Quarterly Percentage Change | | | | | | | | | |
| Fixed Telephone | ... | (1.0) | 1.2 | 1.0 | (0.8) | (0.5) | (0.6) | 0.5 | (0.1) |
| Mobile Cellular Telephone | | | | | | | | | |
| Pre-Paid | ... | 1.1 | 13.1 | 4.2 | (6.1) | (1.0) | 1.6 | 0.3 | 1.2 |
| Post Paid | ... | 6.6 | 15.2 | 0.8 | 13.9 | 3.9 | 5.9 | 4.5 | 1.8 |
| Total | ... | 1.2 | 13.2 | 4.1 | (5.5) | (0.8) | 1.8 | 0.4 | 1.2 |

Source: Information and Communication Technology Statistics, Statistics Botswana

Note: "..." denotes no data

2.2 Pre-paid and Post-paid Mobile Cellular Telephone Subscriptions

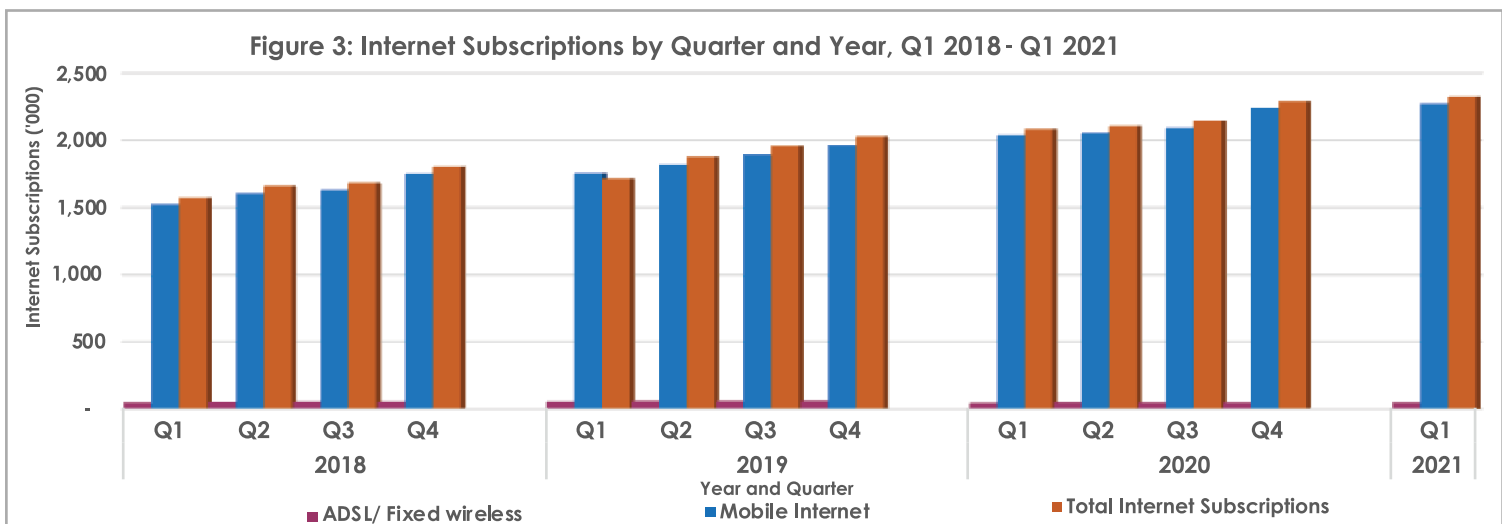
Both pre-paid and post-paid mobile cellular telephone subscriptions increased in Q1 2021. Pre-paid mobile cellular telephone subscriptions increased by 1.2 percent from 3,688,472 in Q4 2020 to 3,733,282. Post-paid mobile cellular telephone subscriptions went up by 1.8 percent to 143,491 from 140,936 recorded in Q4 2020. This is illustrated in **Figure 2** below and **Table 1** in the **Appendix**.



2.3 Internet Subscriptions

Total internet subscriptions (i.e. mobile internet plus fixed internet subscriptions) increased by 1.4 percent in Q1 2021, from 2,144,247 registered in Q4 2020 to 2,323,120. Mobile internet subscriptions rose from 2,240,166 in Q4 2020 to 2,273,363 in Q1 2021, thus registering an increase of 1.5 percent. Fixed internet subscriptions on the other hand declined by 0.8 percent in Q1 2021 from 50,166 in Q4 2020 to 49,757.

Compared to the same quarter of the previous year, Q1 2021 realised an increase of 11.5 percent in total internet subscriptions, with both mobile internet subscriptions and fixed internet subscriptions recording increases of 11.6 and 5.8 percent respectively. Details are as indicated in **Figure 3** below and **Table 2** in the **Appendix**.



2.4 Telephone Traffic

Telephone traffic comprises of Domestic calls, International calls and Short Message Service (SMS).

On-net fixed telephone domestic calls traffic (Fixed telephones to fixed telephones) decreased by 7.4 percent in Q1 2021. They went down from 1,304.8 million calls made in Q4 2020 to 1,117.6 million.

Off net fixed telephone domestic calls traffic (Fixed telephones to mobile cellular telephones) also decreased. They declined by 7.5 percent in Q1 2021, from 1,810.2 million calls in Q4 2020 to 1,632.2 million.

With regard to mobile cellular telephone domestic calls traffic, on-net traffic increased by 1.8 percent in Q1 2021 while off-net traffic decreased by 9.1 percent. Mobile cellular telephone calls to fixed telephones traffic went down by 7.7 percent in Q1 2021.

International calls outgoing from fixed telephones declined by 14.0 percent in Q1 2021, from 122.5 million in Q4 2020 to 88.9 million. Outgoing international calls from mobile cellular telephones, decreased as well. They fell by 9.6 percent in Q1 2021 compared to those made in Q4 2020, from 10.5 million to 6.2 million calls.

On-net and off-net short message services (SMS) decreased by 6.5 and 10.8 percent respectively in Q1 2021. Details are shown in **Table 2.2** below and **Table 3** in the **Appendix**.

Table 2.2: Domestic and International Telephone Traffic (Minutes) by Quarter, Q1 2019 - Q1 2021

| Telephone and Short Message Service Traffic | 2019 | | | | 2020 | | | | 2021 |
|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Quarter 1 | Quarter 2 | Quarter 3 | Quarter 4 | Quarter 1 | Quarter 2 | Quarter 3 | Quarter 4 | Quarter 1 |
| Numbers ('000 000) | | | | | | | | | |
| Domestic Calls | | | | | | | | | |
| From Fixed Telephones to Fixed Telephones | 1,630.9 | 1,428.9 | 1,791.1 | 1,874.5 | 1,455.0 | 983.2 | 1,247.0 | 1304.8 | 1117.6 |
| From fixed Telephones to Mobile Cellular Telephones | 1,894.4 | 1,729.2 | 2,038.5 | 1,670.0 | 1,812.3 | 1,462.7 | 1,630.5 | 1810.2 | 1632.2 |
| On Net Mobile Cellular Telephone Calls | 1,143.2 | 1,285.6 | 1,011.1 | 985.4 | 1,100.3 | 1,644.4 | 1,777.2 | 1834.8 | 1818.9 |
| Off Net Mobile Cellular Telephone Calls | 135.3 | 142.8 | 171.6 | 137.5 | 187.9 | 170.6 | 194.2 | 153.9 | 189.1 |
| From Mobile Cellular Telephones to Fixed Telephones | 9.7 | 8.3 | 9.4 | 9.8 | 63.0 | 47.5 | 59.1 | 36.2 | 55.8 |
| International Calls | | | | | | | | | |
| Outgoing from Fixed Telephones | 169.5 | 162.3 | 224.7 | 193.9 | 162.0 | 194.1 | 108.0 | 122.5 | 88.9 |
| Incoming to Fixed Telephones | - | - | - | - | - | - | - | - | - |
| Outgoing from Mobile Cellular Telephones | 10.0 | 128.6 | 9.0 | 8.9 | 8.2 | 6.7 | 6.9 | 10.5 | 6.2 |
| Short Message Service | | | | | | | | | |
| On Net | 173.6 | 132.9 | 144.6 | 143.2 | 130.5 | 106.0 | 109.3 | 113.1 | 103.4 |
| Off Net | 131.2 | 144.6 | 91.6 | 157.9 | 80.3 | 63.6 | 66.0 | 67.9 | 61.1 |
| Quarterly Percentage Change | | | | | | | | | |
| Domestic Calls | | | | | | | | | |
| From Fixed Telephones to Fixed Telephones | ... | (12.4) | 25.3 | 4.7 | (22.4) | (32.4) | 26.8 | 4.6 | (7.4) |
| From fixed Telephones to Mobile Cellular Telephones | ... | (8.7) | 17.9 | (18.1) | 8.5 | (19.3) | 11.5 | 11.0 | (7.5) |
| On Net Mobile Cellular Telephone Calls | ... | 12.5 | (21.4) | (2.5) | 11.7 | 49.4 | 8.1 | 3.2 | 1.8 |
| Off Net Mobile Cellular Telephone Calls | ... | 5.5 | 20.2 | (19.9) | 36.6 | (9.2) | 13.9 | (20.8) | (9.1) |
| From Mobile Cellular Telephones to Fixed Telephones | ... | (14.4) | 13.1 | 3.6 | 544.9 | (24.6) | 24.4 | (38.7) | (7.7) |
| International Calls | | | | | | | | | |
| Outgoing from Fixed Telephones | ... | (4.3) | 38.5 | (13.7) | (16.5) | 19.8 | (44.4) | 13.4 | (14.0) |
| Incoming to Fixed Telephones | ... | - | - | - | - | - | - | - | - |
| Outgoing from Mobile Cellular Telephones | ... | 1,181.5 | (93.0) | (1.7) | (7.3) | (17.9) | 1.7 | 52.9 | (9.6) |
| Short Message Service | | | | | | | | | |
| On Net | ... | (23.5) | 8.8 | (1.0) | (8.8) | (18.7) | 3.1 | 3.5 | (6.5) |
| Off Net | ... | 10.2 | (36.6) | 72.2 | (49.1) | (20.8) | 3.8 | 2.8 | (10.8) |

Source: Information and Communication Technology Statistics, Statistics Botswana

Note: "-" denotes zero

"..." denotes no data

APPENDIX

Table 1: Telephone Subscriptions by Quarter and Year, Q1 2012 - Q1 2021

| Year/Quarter | | Telephone Subscriptions | | | | | | | |
|--------------|----|-------------------------|-----------|------------------|-----------------|-----------------------------|-----------|--------------|-----------------|
| | | Mobile Cellular | | | Fixed Telephone | Mobile Cellular | | | Fixed Telephone |
| | | Pre-Paid | Post Paid | Total | | Pre-Paid | Post Paid | Total | |
| | | Numbers | | | | Quarterly Percentage Change | | | |
| 2012 | Q1 | 2,893,480 | 59,636 | 2,953,116 | 150,549 | ... | ... | ... | ... |
| | Q2 | 2,914,071 | 61,920 | 2,975,991 | 151,360 | 3.8 | 3.8 | 0.8 | 0.5 |
| | Q3 | 2,928,017 | 62,514 | 2,990,531 | 159,182 | 1.0 | 1.0 | 0.5 | 5.2 |
| | Q4 | 3,017,884 | 63,842 | 3,081,726 | 160,488 | 2.1 | 2.1 | 3.0 | 0.8 |
| 2013 | Q1 | 3,032,563 | 68,839 | 3,101,402 | 162,718 | 0.5 | 7.8 | 0.6 | 1.4 |
| | Q2 | 3,047,241 | 73,836 | 3,121,077 | 163,699 | 0.5 | 7.3 | 0.6 | 0.6 |
| | Q3 | 3,139,210 | 76,409 | 3,215,619 | 170,910 | 3.0 | 3.5 | 3.0 | 4.4 |
| | Q4 | 3,169,148 | 77,639 | 3,246,787 | 174,165 | 1.0 | 1.6 | 1.0 | 1.9 |
| 2014 | Q1 | 3,126,346 | 78,523 | 3,204,869 | 174,992 | (1.4) | 1.1 | (1.3) | 0.5 |
| | Q2 | 3,116,697 | 79,415 | 3,196,112 | 175,674 | (0.3) | 1.1 | (0.3) | 0.4 |
| | Q3 | 3,137,570 | 81,690 | 3,219,260 | 168,817 | 0.7 | 2.9 | 0.7 | (3.9) |
| | Q4 | 3,328,284 | 82,223 | 3,410,507 | 169,236 | 6.1 | 0.7 | 5.9 | 0.2 |
| 2015 | Q1 | 3,324,654 | 81,233 | 3,405,887 | 169,474 | (0.1) | (1.2) | (0.1) | 0.1 |
| | Q2 | 3,334,807 | 79,851 | 3,414,658 | 171,006 | 0.3 | (1.7) | 0.3 | 0.9 |
| | Q3 | 3,361,527 | 78,150 | 3,439,677 | 172,920 | 0.8 | (2.1) | 0.7 | 1.1 |
| | Q4 | 3,395,758 | 79,569 | 3,475,327 | 160,490 | 1.0 | 1.8 | 1.0 | (7.2) |
| 2016 | Q1 | 3,379,127 | 81,204 | 3,460,331 | 161,641 | (0.5) | 2.1 | (0.4) | 0.7 |
| | Q2 | 3,176,217 | 77,984 | 3,254,201 | 163,719 | (6.0) | (4.0) | (6.0) | 1.3 |
| | Q3 | 3,194,444 | 80,678 | 3,275,122 | 141,954 | 0.6 | 3.5 | 0.6 | (13.3) |
| | Q4 | 3,209,519 | 79,467 | 3,288,986 | 142,122 | 0.5 | (1.5) | 0.4 | 0.1 |
| 2017 | Q1 | 3,150,273 | 76,116 | 3,226,389 | 140,873 | (1.8) | (4.2) | (1.9) | (0.9) |
| | Q2 | 3,144,258 | 76,574 | 3,220,832 | 141,882 | (0.2) | 0.6 | (0.2) | 0.7 |
| | Q3 | 3,013,825 | 83,092 | 3,096,917 | 142,816 | (4.1) | 8.5 | (3.8) | 0.7 |
| | Q4 | 3,168,194 | 81,709 | 3,249,903 | 141,207 | 5.1 | (1.7) | 4.9 | (1.1) |
| 2018 | Q1 | 3,089,505 | 92,086 | 3,181,591 | 141,835 | (2.5) | 12.7 | (2.1) | 0.4 |
| | Q2 | 3,123,590 | 80,549 | 3,204,139 | 142,602 | 1.1 | (12.5) | 0.7 | 0.5 |
| | Q3 | 3,161,505 | 84,928 | 3,246,433 | 143,213 | 1.2 | 5.4 | 1.3 | 0.4 |
| | Q4 | 3,295,636 | 85,592 | 3,381,228 | 142,481 | 4.2 | 0.8 | 4.2 | (0.5) |
| 2019 | Q1 | 3,266,527 | 86,810 | 3,353,337 | 140,202 | (0.9) | 1.4 | (0.8) | (1.6) |
| | Q2 | 3,300,897 | 92,571 | 3,393,468 | 138,831 | 1.1 | 6.6 | 1.2 | (1.0) |
| | Q3 | 3,733,341 | 106,677 | 3,840,018 | 140,491 | 13.1 | 15.2 | 13.2 | 1.2 |
| | Q4 | 3,891,733 | 107,511 | 3,999,244 | 141,896 | 4.2 | 0.8 | 4.1 | 1.0 |
| 2020 | Q1 | 3,656,209 | 122,492 | 3,778,701 | 140,722 | (6.1) | 13.9 | (5.5) | (0.8) |
| | Q2 | 3,620,072 | 127,250 | 3,747,322 | 140,055 | (1.0) | 3.9 | (0.8) | (0.5) |
| | Q3 | 3,678,386 | 134,809 | 3,813,195 | 139,281 | 1.6 | 5.9 | 1.8 | (0.6) |
| | Q4 | 3,688,472 | 140,936 | 3,829,408 | 140,003 | 0.3 | 4.5 | 0.4 | 0.5 |
| 2021 | Q1 | 3,733,282 | 143,491 | 3,876,773 | 139,930 | 1.2 | 1.8 | 1.2 | (0.1) |

Source: Botswana Communications Regulatory Authority

Note: "..." denotes no data

Table 2: Internet Subscriptions by Quarter and Year, Q1 2011 - Q1 2021

| Year/ Quarter | | Internet Subscriptions | | | | | |
|---------------|----|------------------------|-----------------|------------------|----------------------|-----------------|---------------|
| | | ADSL/ Fixed wireless | Mobile Internet | Total | ADSL/ Fixed wireless | Mobile Internet | Total |
| | | Numbers | | | Quarterly % Change | | |
| 2011 | Q1 | 14,082 | 189,803 | 203,885 | ... | ... | ... |
| | Q2 | 14,419 | 200,198 | 214,617 | 2.4 | 5.5 | 5.3 |
| | Q3 | 14,474 | 224,474 | 238,948 | 0.4 | 12.1 | 11.3 |
| | Q4 | 15,707 | 238,942 | 254,649 | 8.5 | 6.4 | 6.6 |
| 2012 | Q1 | 16,298 | 263,131 | 279,429 | 3.8 | 10.1 | 9.7 |
| | Q2 | 17,204 | 294,548 | 311,752 | 5.6 | 11.9 | 11.6 |
| | Q3 | 18,166 | 509,926 | 528,092 | 5.6 | 73.1 | 69.4 |
| | Q4 | 18,838 | 769,805 | 788,643 | 3.7 | 51.0 | 49.3 |
| 2013 | Q1 | 19,388 | 958,074 | 977,462 | 2.9 | 24.5 | 23.9 |
| | Q2 | 23,224 | 1,098,523 | 1,121,747 | 19.8 | 14.7 | 14.8 |
| | Q3 | 25,309 | 1,259,561 | 1,284,870 | 9.0 | 14.7 | 14.5 |
| | Q4 | 27,819 | 1,444,207 | 1,472,026 | 9.9 | 14.7 | 14.6 |
| 2014 | Q1 | 22,740 | 1,655,921 | 1,678,661 | (18.3) | 14.7 | 14.0 |
| | Q2 | 24,800 | 1,898,671 | 1,923,471 | 9.1 | 14.7 | 14.6 |
| | Q3 | 26,836 | 2,177,007 | 2,203,843 | 8.2 | 14.7 | 14.6 |
| | Q4 | 27,867 | 2,496,146 | 2,524,013 | 3.8 | 14.7 | 14.5 |
| 2015 | Q1 | 34,435 | 1,188,640 | 1,223,075 | 23.6 | (52.4) | (51.5) |
| | Q2 | 35,641 | 1,245,994 | 1,281,635 | 3.5 | 4.8 | 4.8 |
| | Q3 | 36,272 | 1,295,663 | 1,331,935 | 1.8 | 4.0 | 3.9 |
| | Q4 | 36,845 | 1,384,146 | 1,420,991 | 1.6 | 6.8 | 6.7 |
| 2016 | Q1 | 37,366 | 1,360,236 | 1,397,602 | 1.4 | (1.7) | (1.7) |
| | Q2 | 38,622 | 1,272,521 | 1,311,143 | 3.4 | (6.4) | (6.2) |
| | Q3 | 39,174 | 1,340,549 | 1,379,723 | 1.4 | 5.3 | 5.2 |
| | Q4 | 41,833 | 1,409,274 | 1,451,107 | 6.8 | 5.1 | 5.2 |
| 2017 | Q1 | 45,793 | 1,404,065 | 1,449,858 | 9.5 | (0.4) | (0.1) |
| | Q2 | 46,191 | 1,388,359 | 1,434,550 | 0.9 | (1.1) | (1.1) |
| | Q3 | 48,811 | 1,294,764 | 1,343,575 | 5.7 | (6.7) | (6.3) |
| | Q4 | 48,901 | 1,532,954 | 1,581,855 | 0.2 | 18.4 | 17.7 |
| 2018 | Q1 | 50,514 | 1,523,545 | 1,574,059 | 3.3 | (0.6) | (0.5) |
| | Q2 | 53,057 | 1,605,727 | 1,658,784 | 5.0 | 5.4 | 5.4 |
| | Q3 | 54,687 | 1,630,364 | 1,685,051 | 3.1 | 1.5 | 1.6 |
| | Q4 | 55,390 | 1,749,059 | 1,804,449 | 1.3 | 7.3 | 7.1 |
| 2019 | Q1 | 55,565 | 1,752,547 | 1,716,229 | 0.3 | 0.2 | (4.9) |
| | Q2 | 60,944 | 1,818,007 | 1,878,951 | 9.7 | 3.7 | 9.5 |
| | Q3 | 61,271 | 1,896,424 | 1,957,695 | 0.5 | 4.3 | 4.2 |
| | Q4 | 62,058 | 1,965,456 | 2,027,515 | 1.3 | 8.4 | 8.2 |
| 2020 | Q1 | 47,042 | 2,037,359 | 2,084,401 | (24.2) | 3.7 | 2.8 |
| | Q2 | 51,221 | 2,055,764 | 2,106,985 | 8.9 | 4.4 | 4.5 |
| | Q3 | 50,861 | 2,093,386 | 2,144,247 | (0.7) | 1.8 | 1.8 |
| | Q4 | 50,166 | 2,240,166 | 2,290,332 | (1.4) | 7.0 | 6.8 |
| 2021 | Q1 | 49,757 | 2,273,363 | 2,323,120 | (0.8) | 1.5 | 1.4 |

Source: Botswana Communications Regulatory Authority

Note: "..." denotes no data

Table 3: Domestic and International Telephone Traffic (Minutes) by Quarter and Year, Q1 2014 - Q1 2021

| Year/ Quarter | | Telephone and Short Message Service Traffic | | | | | | | | | |
|------------------|-----------|---|--|--|---|---|-----------------------------------|---------------------------------|--|-----------------------|-------------|
| | | Domestic Calls | | | | | International Calls | | | Short Message Service | |
| | | From Fixed Telephones to Fixed Telephones | From fixed Telephones to Mobile Cellular Telephones | On Net Mobile Cellular Telephone Calls | Off Net Mobile Cellular Telephone Calls | From Mobile Cellular Telephones to Fixed Telephones | Outgoing from Fixed Telephones | Incoming to Fixed Telephones | Outgoing from Mobile Cellular Telephones | On Net | Off Net |
| 2014 | Q1 | 22,992,190 | 27,010,100 | 455,270,768 | 141,011,907 | 11,881,057 | 2,060,221 | - | 15,687,913 | 199,930,668 | 129,240,709 |
| | Q2 | 2,369,077,575 | 1,697,253,376 | 494,674,723 | 151,200,137 | 11,691,792 | 19,296,867 | - | 15,661,291 | 212,301,376 | 135,407,579 |
| | Q3 | 39,113,572 | 29,184,702 | 528,763,242 | 168,612,126 | 12,121,336 | 4,198,532 | - | 16,605,584 | 226,876,144 | 160,659,629 |
| | Q4 | 424,793,378 | 390,589,346 | 538,595,573 | 178,652,457 | 12,105,602 | 671,227,267 | - | 16,990,114 | 226,930,504 | 146,297,194 |
| 2015 | Q1 | 38,354,146 | 6,327,160 | 520,550,402 | 152,171,070 | 6,665,492 | 5,553,381 | - | 12,818,574 | 206,479,961 | 146,257,918 |
| | Q2 | 36,861,131 | 6,122,266 | 522,684,176 | 160,042,387 | 11,454,538 | 5,399,350 | - | 15,468,748 | 201,630,906 | 152,963,487 |
| | Q3 | 37,557,267 | 29,923,404 | 1,867,212,151 | 209,491,965 | 11,259,715 | 5,525,421 | - | 15,857,336 | 196,945,120 | 139,614,378 |
| | Q4 | 2,067,470,773 | 399,920,925 | 525,492,538 | 176,298,042 | 9,356,236 | 929,767,092 | - | 15,426,446 | 209,840,809 | 157,962,098 |
| 2016 | Q1 | 34,965,488 | 6,949,306 | 480,585,051 | 154,869,695 | 8,737,525 | 4,953,934 | - | 13,161,451 | 157,239,036 | 93,681,272 |
| | Q2 | 1,331,557,873 | 2,041,660,546 | 653,014,162 | 262,630,413 | 9,703,623 | 306,014,551 | - | 14,112,699 | 183,691,703 | 138,911,604 |
| | Q3 | 2,042,864,630 | 2,110,094,413 | 476,676,551 | 125,662,178 | 8,352,695 | 296,405,140 | - | 12,267,683 | 184,225,029 | 164,463,245 |
| | Q4 | 1,995,163,417 | 2,158,781,171 | 525,492,538 | 176,298,042 | 9,356,236 | 272,672,930 | - | 15,426,446 | 209,840,809 | 157,962,098 |
| 2017 | Q1 | 1,996,616,714 | 2,175,125,352 | 353,714,166 | 101,619,312 | 5,355,226 | 263,327,903 | - | 6,945,727 | 133,355,242 | 176,904,690 |
| | Q2 | 1,995,163,417 | 2,158,781,171 | 403,115,950 | 100,591,502 | 5,587,481 | 272,672,930 | - | 7,405,278 | 124,428,020 | 106,809,711 |
| | Q3 | 1,839,716,566 | 1,862,241,472 | 604,005,497 | 157,577,607 | 9,423,562 | 238,735,341 | - | 11,846,344 | 175,981,585 | 164,526,833 |
| | Q4 | 1,925,384,926 | 1,880,086,902 | 316,560,889 | 169,337,479 | 10,077,726 | 217,171,325 | - | 10,825,559 | 166,743,720 | 178,144,293 |
| 2018 | Q1 | 1,743,088,946 | 1,870,056,276 | 583,152,907 | 135,349,759 | 9,727,092 | 204,672,812 | - | 10,579,435 | 121,595,497 | 151,872,112 |
| | Q2 | 1,995,163,467 | 2,282,620,465 | 248,849,839 | 38,528,098 | 3,217,349 | 242,964,024 | - | 3,885,730 | 84,284,330 | 82,126,432 |
| | Q3 | 1,743,088,946 | 1,870,056,276 | 730,436,647 | 165,312,108 | 6,737,448 | 238,735,341 | - | 13,482,935 | 174,420,541 | 177,695,619 |
| | Q4 | 1,824,257,738 | 1,532,059,547 | 711,914,725 | 132,472,504 | 6,981,007 | 206,052,643 | - | 6,891,130 | 172,698,636 | 137,566,702 |
| 2019 | Q1 | 1,630,877,925 | 1,894,426,304 | 1,143,172,248 | 135,349,759 | 9,727,092 | 169,539,136 | - | 10,037,404 | 173,606,036 | 131,228,779 |
| | Q2 | 1,428,923,713 | 1,729,158,938 | 1,285,607,439 | 142,798,477 | 8,329,621 | 162,257,133 | - | 128,628,861 | 132,886,661 | 144,579,482 |
| | Q3 | 1,791,070,062 | 2,038,453,064 | 1,011,056,590 | 171,590,589 | 9,422,874 | 224,689,042 | - | 9,015,650 | 144,579,482 | 91,645,479 |
| | Q4 | 1,874,473,146 | 1,670,020,051 | 985,418,896 | 137,503,751 | 9,763,511 | 193,929,272 | - | 8,858,345 | 143,152,172 | 157,855,498 |
| 2020 | Q1 | 1,455,039,053 | 1,812,340,439 | 1,100,308,384 | 187,889,689 | 62,961,837 | 161,973,703 | - | 8,216,079 | 130,492,293 | 80,274,410 |
| | Q2 | 983,190,446 | 1,462,730,934 | 1,644,389,257 | 170,571,174 | 47,483,422 | 194,070,891 | - | 6,748,608 | 106,028,158 | 63,583,841 |
| | Q3 | 1,246,969,527 | 1,630,499,844 | 1,777,231,669 | 194,247,474 | 59,059,963 | 107,965,302 | - | 6,865,472 | 109,272,506 | 66,012,639 |
| | Q4 | 1,206,361,297 | 1,763,959,687 | 1,787,293,432 | 208,023,056 | 60,450,409 | 103,480,411 | - | 6,858,785 | 110,583,362 | 68,478,993 |
| 2021 | Q1 | 1,117,648,181 | 1,632,215,659 | 1,818,879,193 | 189,090,907 | 55,766,233 | 88,943,795 | - | 6,200,439 | 103,449,026 | 61,083,339 |

Source: Botswana Communications Regulatory Authority

Note: "-" denotes zero

Table 4: Contribution of Communication & Postal Services To Gross Domestic Product by Quarter and Year, Q1 2013 - Q4 2020

| Year/Quarter | Current Prices | | | | Constant Prices | | | | |
|--------------|------------------------|---|---|---|------------------------|--|---|---|------|
| | Total GDP (P. Million) | Postal & Communication Services Value Added | Postal & Communication Services Contribution To GDP (%) | Postal & Communication Services Annual Growth Rates (%) | Total GDP (P. Million) | Postal & Communication Services Value Added (P. Million) | Postal & Communication Services Contribution To GDP (%) | Postal & Communication Services Annual Growth Rates (%) | |
| 2013 | Q1 | 28,425.6 | 626.6 | 2.2 | 6.7 | 20,507.5 | 485.3 | 2.4 | 5.7 |
| | Q2 | 32,462.8 | 648.5 | 2.0 | 8.8 | 20,931.5 | 501.5 | 2.4 | 8.0 |
| | Q3 | 31,665.7 | 664.7 | 2.1 | 10.4 | 20,917.2 | 508.6 | 2.4 | 8.5 |
| | Q4 | 32,604.2 | 704.6 | 2.2 | 15.8 | 21,724.5 | 522.7 | 2.4 | 10.7 |
| 2014 | Q1 | 34,508.4 | 739.8 | 2.1 | 18.1 | 21,190.8 | 544.2 | 2.6 | 12.1 |
| | Q2 | 37,718.4 | 762.0 | 2.0 | 17.5 | 21,887.7 | 552.4 | 2.5 | 10.1 |
| | Q3 | 36,155.6 | 778.0 | 2.2 | 17.0 | 22,178.7 | 563.2 | 2.5 | 10.7 |
| | Q4 | 37,486.0 | 778.5 | 2.1 | 10.5 | 22,312.2 | 554.5 | 2.5 | 6.1 |
| 2015 | Q1 | 36,570.3 | 817.4 | 2.2 | 10.5 | 21,769.4 | 573.7 | 2.6 | 5.4 |
| | Q2 | 37,329.7 | 850.1 | 2.3 | 11.6 | 21,814.9 | 587.2 | 2.7 | 6.3 |
| | Q3 | 37,240.2 | 892.6 | 2.4 | 14.7 | 20,971.5 | 607.0 | 2.9 | 7.8 |
| | Q4 | 34,783.2 | 905.1 | 2.6 | 16.3 | 21,525.0 | 604.0 | 2.8 | 8.9 |
| 2016 | Q1 | 39,499.5 | 916.0 | 2.3 | 12.1 | 22,277.1 | 597.3 | 2.7 | 4.1 |
| | Q2 | 42,440.5 | 973.7 | 2.3 | 14.5 | 22,666.8 | 626.0 | 2.8 | 6.6 |
| | Q3 | 44,090.6 | 1,025.3 | 2.3 | 14.9 | 22,409.5 | 653.7 | 2.9 | 7.7 |
| | Q4 | 43,657.4 | 1,041.7 | 2.4 | 15.1 | 22,421.6 | 654.1 | 2.9 | 8.3 |
| 2017 | Q1 | 43,645.6 | 1,062.5 | 2.4 | 16.0 | 22,465.4 | 661.4 | 2.9 | 10.7 |
| | Q2 | 43,005.2 | 1,073.1 | 2.5 | 10.2 | 22,886.1 | 664.3 | 2.9 | 6.1 |
| | Q3 | 44,963.3 | 1,116.1 | 2.5 | 8.9 | 22,659.7 | 685.9 | 3.0 | 5.0 |
| | Q4 | 46,653.0 | 1,136.1 | 2.4 | 9.1 | 23,896.6 | 695.3 | 2.9 | 6.3 |
| 2018 | Q1 | 46,156.5 | 1,164.5 | 2.5 | 9.6 | 23,545.0 | 707.0 | 3.0 | 6.9 |
| | Q2 | 47,362.7 | 1,180.9 | 2.5 | 10.0 | 24,099.0 | 714.3 | 3.0 | 7.6 |
| | Q3 | 48,699.3 | 1,216.3 | 2.5 | 9.0 | 24,126.2 | 733.1 | 3.0 | 6.9 |
| | Q4 | 48,491.6 | 1,240.6 | 2.6 | 9.2 | 24,850.9 | 742.8 | 3.0 | 6.8 |
| 2019 | Q1 | 49,014.7 | 1,279.1 | 2.6 | 9.8 | 24,454.1 | 760.8 | 3.1 | 7.6 |
| | Q2 | 49,211.6 | 1,293.1 | 2.6 | 9.5 | 24,838.2 | 763.3 | 3.1 | 6.9 |
| | Q3 | 49,561.0 | 1,334.5 | 2.7 | 9.7 | 24,891.7 | 780.8 | 3.1 | 6.5 |
| | Q4 | 49,488.9 | 1,355.9 | 2.7 | 9.3 | 25,288.1 | 791.9 | 3.1 | 6.6 |
| 2020 | Q1 | 50,726.5 | 1,387.0 | 2.7 | 8.4 | 25,074.0 | 809.1 | 3.2 | 6.4 |
| | Q2 | 36,863.5 | 1,345.4 | 3.6 | 4.0 | 18,848.7 | 783.0 | 4.2 | 2.6 |
| | Q3 | 44,671.4 | 1,438.2 | 3.2 | 7.8 | 23,403.8 | 835.8 | 3.6 | 7.0 |
| | Q4 | 48,461.8 | 1,444.0 | 3.0 | 6.5 | 24,264.4 | 836.4 | 3.4 | 5.6 |

Source: National Accounts, Statistics Botswana

DEFINITIONS

1.1 Fixed Telephone

Fixed telephone lines refer to a telephone line connecting a customer's terminal equipment (e.g. telephone set, facsimile machine) to the public switched telephone network (PSTN) and which has a dedicated port on a telephone exchange. This term is synonymous with the terms main station or Direct Exchange Line (DEL) that are commonly used in telecommunication documents. It may not be the same as an access line or a subscriber.

1.2 Mobile Cellular Phone

A mobile cellular phone refers to a portable telephone subscribing to a public mobile telephone service using cellular technology, which provides access to the PSTN. This includes analogue and digital cellular systems, as well as IMT-2000 (3G). Users of both post-paid subscriptions and pre-paid accounts are included.

1.3 Internet

A world-wide public computer network which provides access to a number of communication services including services including the World – Wide Web and carries email, news, entertainment and data files. Access may be any device enabling internet access (not only a computer). It may also be by mobile phone, PDA, Games Machine, Digital TV etc.

1.4 Asymmetric Digital Subscriber line (ADSL)

Asymmetric digital subscriber line (ADSL) is a type of Digital Subscriber Line (DSL) technology, a data communications technology that enables faster data transmission over copper telephone lines.

1.5 Domestic Fixed Telephone Traffic (Minutes)

It consists of effective (completed) fixed telephone line traffic exchanged within the local charging area in which the calling station is situated. This is the area within which one subscriber can call another on payment of the local charge (if applicable). This indicator should be reported in the number of minutes.

1.6 National (fixed) Trunk Telephone Traffic (Minutes)

National (fixed) trunk (toll) traffic consists of effective (completed) fixed national telephone traffic exchange with a station outside the local charging area of the calling station. The indicator should be reported as the number of minutes of traffic.

1.7 International Outgoing Fixed Telephone Traffic (Minutes)

This covers the effective (completed) fixed traffic originating in a given country to destinations outside that country. The indicator should be reported as the number of minutes of traffic.

1.8 International Incoming Fixed Telephone Traffic (Minutes)

Effective (completed) fixed traffic originating outside the country with a destination inside the country. The indicator should be reported as the number of minutes of traffic.

1.9 Outgoing National Mobile Telephone Traffic (Minutes)

Total number of minutes made by mobile subscribers within a country (including minutes to fixed lines and minutes to other mobile subscribers).

1.10 SMS Traffic

Total number of mobile Short Message Service (SMS) sent, both to national and international destinations





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