

Information & Communication Technology

Stats Brief Q2, 2021



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Stats Brief Q2, 2021

1. INTRODUCTION

This Stats Brief presents Botswana Information and Communications Technology Statistics for Q2 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 declined by 3.9 percent in Q2 2021. They fell from 139,930 which was registered in Q1 2021 to 134,498 in this quarter. Subscriptions on mobile cellular telephones on the other hand increased. They rose from 3,876,773 registered in Q1 2021 to 3,911,833 in Q2 2021, thus increasing by 0.9 percent. The Internet subscriptions, as did fixed telephone subscriptions, decreased in Q2 2021. They went down by 3.2 percent in Q2 2021, from 2,323,120 in Q1 2021 to 2,249,137.

In Q2 2021, fixed telephone to mobile telephone domestic calls traffic went up by 5.7 percent, while mobile telephone to fixed telephone domestic calls traffic decreased by 5.3 percent. Outgoing international calls from fixed telephones increased by 2.8 percent, while those from mobile telephones went down by 3.6 percent.

The contribution of Postal and Communications Services Sector to the economy stood at 2.7 percent of Gross Domestic Product at current prices in Q1 2021. The sector's value added at current prices amounted to P1, 275.7 million.

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).

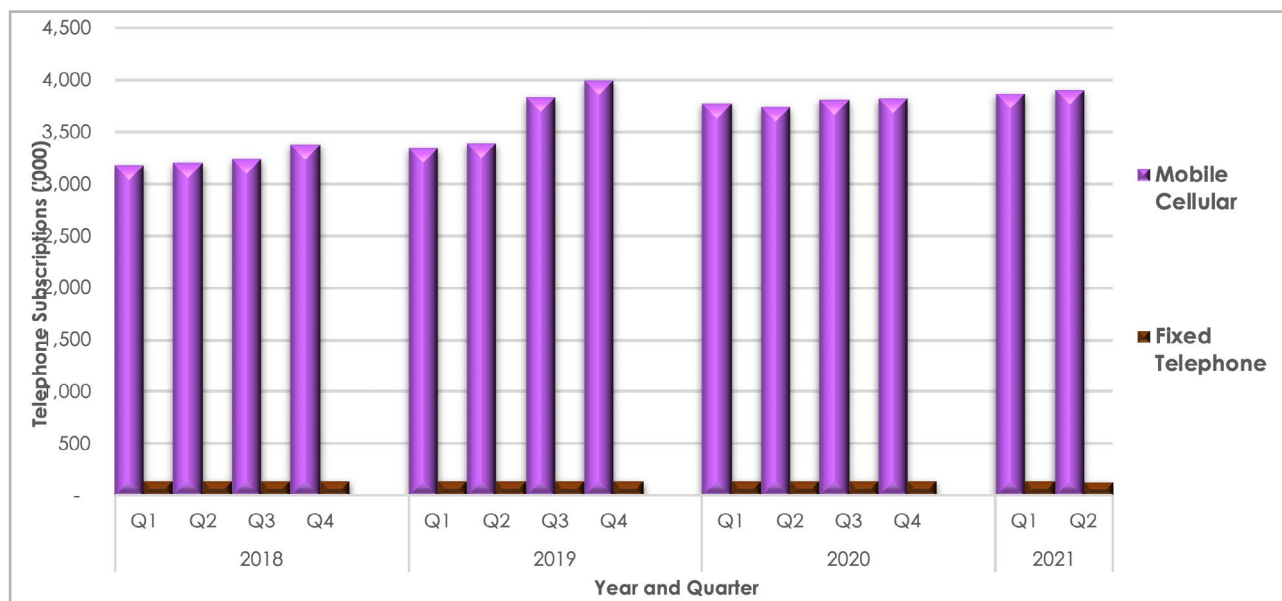
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Dr. Burton Mguni
Statistician General
September 2021

2. TELECOMMUNICATION

2.1 Fixed Telephone Lines and Mobile Cellular Telephone Subscriptions



The fixed telephone lines subscriptions decreased by 3.9 percent in Q2 2021. They went down from 139,930 registered in Q1 2020 to 134,498 in Q2 2021. The mobile cellular telephone subscriptions realized a marginal increase to 3,911,833 from 3,876,773 in Q1 2021, an increase of 0.9 percent.

Comparing Q2 2021 to the same quarter of 2020 (Q2 2020), fixed telephone lines declined by 4.0 percent while mobile cellular telephone subscriptions went up by 4.4 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 - Q2 2021

Telephone Subscriptions	2019				2020				2021	
	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Quarter 1	Quarter 2
<i>Numbers</i>										
Fixed Telephone	140,202	138,831	140,491	141,896	140,722	140,055	139,281	140,003	139,930	134,498
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	3,766,580
Post Paid	86,810	92,571	106,677	107,511	122,492	127,250	134,809	140,936	143,491	145,253
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	3,911,833
<i>Quarterly Percentage Change</i>										
Fixed Telephone	...	(1.0)	1.2	1.0	(0.8)	(0.5)	(0.6)	0.5	(0.1)	(3.9)
Mobile Cellular Telephone										
Pre-Paid	...	1.1	13.1	4.2	(6.1)	(1.0)	1.6	0.3	1.2	0.9
Post Paid	...	6.6	15.2	0.8	13.9	3.9	5.9	4.5	1.8	1.2
Total	...	1.2	13.2	4.1	(5.5)	(0.8)	1.8	0.4	1.2	0.9

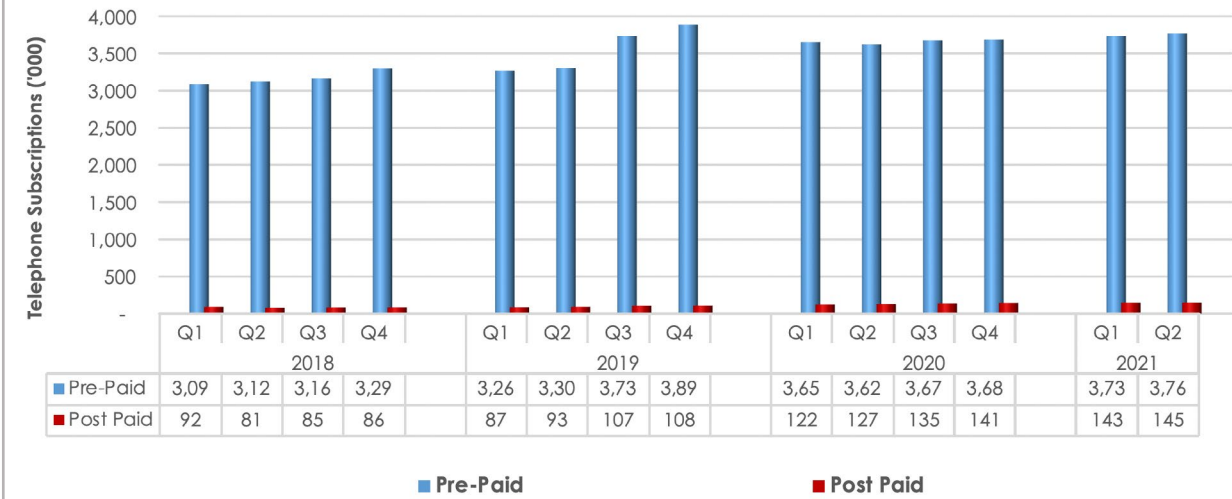
Source: Information and Communication Technology Statistics, Statistics Botswana

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 Q2 2021. Pre-paid mobile cellular telephone subscriptions increased by 0.9 percent from 3,733,282 in Q1 2021 to 3,766,580. Post-paid mobile cellular telephone subscriptions rose by 1.2 percent to 145,253 from 143,491 recorded in Q1 2021. This is illustrated in Figure 2 below and Table 1 in the Appendix.

Figure 2: Pre-Paid and Post-Paid Mobile Cellular Telephone Subscriptions by Quarter, Q1 2018 - Q2 2021

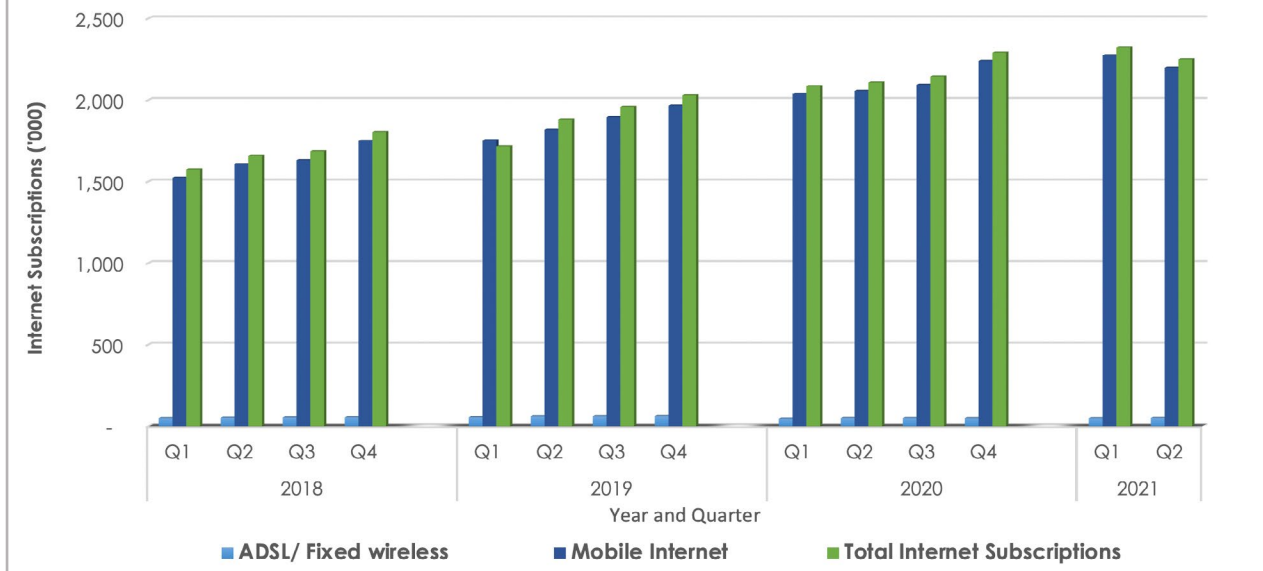


2.3 Internet Subscriptions

The total internet subscriptions (i.e. mobile internet and fixed internet subscriptions) decreased by 3.2 percent in Q2 2021, from 2,323,120 recorded in Q1 2021 to 2,249,137. Mobile internet subscriptions declined from 2,273,363 in Q1 2021 to 2,197,671 in Q2 2021, thus registering a decrease of 3.3 percent. Fixed internet subscriptions on the other hand increased by 3.4 percent in Q2 2021 from 49,757 in Q1 2021 to 51,466.

Compared to the same quarter of the previous year, Q2 2021 realized an increase of 6.7 percent in total internet subscriptions, with both mobile internet subscriptions and fixed internet subscriptions recording increases of 6.9 and 0.5 percent respectively. Details are as indicated in **Figure 3** below and **Table 2** in the **Appendix**.

Figure 3: Internet Subscriptions by Quarter and Year, Q1 2018 - Q2 2021



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) increased by 4.4 percent in Q2 2021. They rose from 1,117.6 million calls made in Q1 2021 to 1,167.3 million.

Off net fixed telephone domestic calls traffic (Fixed telephones to mobile cellular telephones) also increased. They went up by 5.7 percent in Q2 2021, from 1,632.2 million calls in Q1 2021 to 1,725.7 million.

With regard to mobile cellular telephone domestic calls traffic, on-net traffic increased by 2.3 percent in Q2 2021 while off-net traffic decreased by 1.7 percent. Mobile cellular telephone calls to fixed telephones traffic declined by 5.3 percent in Q2 2021.

International calls outgoing from fixed telephones increased by 2.8 percent in Q2 2021, from 88.9 million in Q1 2021 to 91.4 million. Outgoing international calls from mobile cellular telephones however decreased, they fell by 3.6 percent in Q2 2021 compared to those made in Q1 2021, from 6.2 million to 6.0 million calls.

On-net and off-net short message services (SMS) decreased by 6.2 and 8.3 percent respectively in Q2 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 - Q2 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	Quarter 2
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	1167.3
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	1725.7
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	1860.1
Off Net Mobile Cellular Telephone Calls	135.3	142.8	171.6	137.5	187.9	170.6	194.2	153.9	189.1	185.9
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	52.8
International Calls										
Outgoing from Fixed Telephones	169.5	162.3	224.7	193.9	162.0	194.1	108.0	122.5	88.9	91.4
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	6.0
Short Message Service										
On Net	173.6	132.9	144.6	143.2	130.5	106.0	109.3	113.1	103.4	97.0
Off Net	131.2	144.6	91.6	157.9	80.3	63.6	66.0	67.9	61.1	56.0
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)	4.4
From fixed Telephones to Mobile Cellular Telephones	...	(8.7)	17.9	(18.1)	8.5	(19.3)	11.5	11.0	(7.5)	5.7
On Net Mobile Cellular Telephone Calls	...	12.5	(21.4)	(2.5)	11.7	49.4	8.1	3.2	1.8	2.3
Off Net Mobile Cellular Telephone Calls	...	5.5	20.2	(19.9)	36.6	(9.2)	13.9	(20.8)	(9.1)	(1.7)
From Mobile Cellular Telephones to Fixed Telephones	...	(14.4)	13.1	3.6	544.9	(24.6)	24.4	(38.7)	(7.7)	(5.3)
International Calls										
Outgoing from Fixed Telephones	...	(4.3)	38.5	(13.7)	(16.5)	19.8	(44.4)	13.4	(14.0)	2.8
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)	(3.6)
Short Message Service										
On Net	...	(23.5)	8.8	(1.0)	(8.8)	(18.7)	3.1	3.5	(6.5)	(6.2)
Off Net	...	10.2	(36.6)	72.2	(49.1)	(20.8)	3.8	2.8	(10.8)	(8.3)

Source: Information and Communication Technology Statistics, Statistics Botswana

Note: "-" denotes zero

"..." denotes no data

3. CONTRIBUTION OF POSTAL AND COMMUNICATION SERVICES TO GDP

Table 3.1 below illustrates the contribution of Postal and Communication Services sector to Gross Domestic Product (GDP) over the years. In Q1 2021, the sector's value added amounted to P1, 275.7 million in current prices, which constituted 2.7 percent of total GDP. In real terms, the sector contributed P1, 100.8 million which amounted to 2.4 percent of total GDP. This is shown in **Table 4** in the **Appendix**.

Table 3.1: Contribution of Postal & Communication Services To GDP by Quarter and Year, Q1 2019 - Q1 2021

	2019				2020				2021
	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Quarter 1	Quarter 2	Quarter 3	Quarter 4	Quarter 1
Communication & Postal Services									
Current Prices									
Total GDP (P Million)	49,014.7	49,211.6	49,561.0	49,488.9	50,726.5	36,863.5	44,671.4	48,461.8	47,739.3
Postal & Communication Services Value Added (P Million)	1,279.1	1,293.1	1,334.5	1,355.9	1,387.0	1,345.4	1,438.2	1,444.0	1,275.7
Postal & Communication Services Contribution To GDP (%)	2.6	2.6	2.7	2.7	2.7	3.6	3.2	3.0	2.7
Postal & Communication Services Annual Growth Rates (%)	9.8	9.5	9.7	9.3	8.4	4.0	7.8	6.5	6.6
Constant Prices									
Total GDP (P Million)	24,454.1	24,838.2	24,891.7	25,288.1	25,074.0	18,848.7	23,403.8	24,264.4	46,078.2
Postal & Communication Services Value Added (P Million)	760.8	763.3	780.8	791.9	809.1	783.0	835.8	836.4	1100.8
Postal & Communication Services Contribution To GDP (%)	3.1	3.1	3.1	3.1	3.2	4.2	3.6	3.4	2.4
Postal & Communication Services Annual Growth Rates (%)	7.6	6.9	6.5	6.6	6.4	2.6	7.0	5.6	3.9

Source: National Accounts, Statistics Botswana

APPENDIX

Table 1: Telephone Subscriptions by Quarter and Year, Q1 2012 - Q2 2021

		Telephone Subscriptions							
		Mobile Cellular			Fixed Telephone	Mobile Cellular			Fixed Telephone
Year/Quarter		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	0.7	3.8	0.8	0.5
	Q3	2,928,017	62,514	2,990,531	159,182	0.5	1.0	0.5	5.2
	Q4	3,017,884	63,842	3,081,726	160,488	3.1	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)
	Q2	3,766,580	145,253	3,911,833	134,498	0.9	1.2	0.9	(3.9)

Source: Botswana Communications Regulatory Authority
Note: "..." denotes no data

Table 2: Internet Subscriptions by Quarter and Year, Q1 2011 - Q2 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
	Q2	51,466	2,197,671	2,249,137	3.4	(3.3)	(3.2)

Source: Botswana Communications Regulatory Authority

Note: "..." denotes no data

Table 3: Domestic and International Telephone Traffic (Minutes) by Quarter and Year, Q1 2012 - Q2 2021

		Telephone and Short Message Service Traffic									
		Domestic Calls					International Calls			Short Message Service	
		From Fixed Telephones to Fixed Telephones	From fixed 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
Year/Quarter											
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	832,9621	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
	Q2	1,167,304,785	1,725,735,141	1,860,078,597	185,945,710	52,801,580	91,405,280	-	5,980,189	97,026,663	56,012,965

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 - Q1 2021

		Current Prices				Constant Prices			
Year/Quarter		Total GDP (P Million)	Postal & Commu- nication Services Value Added (P Million)	Postal & Commu- nication Services Contribution To GDP (%)	Postal & Commu- nication Services Annual Growth Rates (%)	Total GDP (P Million)	Postal & Commu- nication Services Value Added (P Million)	Postal & Commu- nication Services Contribution To GDP (%)	Postal & Commu- nication 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	1025.3	2.3	14.9	22,409.5	653.7	2.9	7.7
	Q4	43,657.4	1041.7	2.4	15.1	22,421.6	654.1	2.9	8.3
2017	Q1	43,645.6	1062.5	2.4	16.0	22,465.4	661.4	2.9	10.7
	Q2	43,005.2	1073.1	2.5	10.2	22,886.1	664.3	2.9	6.1
	Q3	44,963.3	1116.1	2.5	8.9	22,659.7	685.9	3.0	5.0
	Q4	46,653.0	1136.1	2.4	9.1	23,896.6	695.3	2.9	6.3
2018	Q1	46,156.5	1164.5	2.5	9.6	23,545.0	707.0	3.0	6.9
	Q2	47,362.7	1180.9	2.5	10.0	24,099.0	714.3	3.0	7.6
	Q3	48,699.3	1216.3	2.5	9.0	24,126.2	733.1	3.0	6.9
	Q4	48,491.6	1240.6	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
2021	Q1	47,739.3	1,275.7	2.7	6.6	46,078.2	1100.8	2.4	3.9

Source: National Accounts, Statistics Botswana

APPENDIX IX: 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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Stats Brief Q2, 2021



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Stats Brief Q2, 2021