

Telephone Accesses (millions)

Mobile Accesses	202.9	-2010
Fixed Accesses	42.0	-2010
Broadband	12.8	(3Q10)
Pay TV	9.8	-2010

[Consult accesses in 2009](#)

Mobile Accesses in Brazil

Total of Mobile Subscribers (Jan/11): 205.7 millions - Preliminary Data

205.7 million mobile accesses in Jan/11

According to Anatel's preliminary data, Brazil ended January/11 with 205.7 million mobile accesses.

Net adds reached 5.4 million in the month set a new record, surpassing Dec/2009 (4.2 million). Net adds accumulated along 2010 reached 29 million.

Net adds reached 2.7 million mobile accesses registered in the month established a new record, surpassing the figures of January/2009 (1.6 million). The net adds accumulated in the last 12 months count 30.1 million accesses.

Mobile Accesses in Jan/11

-	Jan/10	Dec/10	Jan/11
Accesses	175,599,260	202,944,033	205,682,914
Prepaid	82.62%	82.34%	82.37%
Density	91.33	104.68	-
Month Growth	1,639,892	5,410,047	2,738,881
	0.9%	2.7%	1.3%
Year Growth	1,639,892	28,984,665	2,738,881
	0.9%	16.66%	1.3%
Growth in 1 year	23,650,183	28,984,665	30,083,654
	15.56%	16.66%	17.13%

Note: active cellular in the operator. Density calculated with IBGE'd population projection for the month.

Quarterly

	1Q09	2Q09	3Q09	4Q09	1Q10	2Q10	3Q10	4Q10
Cellulars	153,673	159,614	166,121	173,959	179,110	185,135	191,472	202,944
Prepaid	81.61%	81.82%	82.21%	82.55%	82.48%	82.32%	82.14%	82.34%
Density	80.56	83.47	86.67	90.55	93.01	95.92	98.98	104.68
Additions	3,032	5,940	6,507	7,839	5,150	6,025	6,337	11,472

Note: active mobile accesses. Density calculated based on IBGE's population projection for the respective month.

Mobile Accesses per Technology

Techn.	Dec. 2009	Dec 2010			
		Number of Cellulars		Month Growth	Year Growth
GSM	156,581,825	178,108,707	87.76%	4,499,818	13.75%
WCDMA	4,090,659	14,613,895	7.20%	1,024,797	257.25%
CDMA	8,397,905	4,181,936	2.06%	-253,750	(50.20%)
TDMA	311,304	25,440	0.01%	-11,506	(91.83%)
AMPS	3,891	0	0%	0	-
Data Term.	4,573,784	6,014,055	2.96%	150,688	31.49%
Total	173,959,368	202,944,033	100.00%	5,410,047	16.66%

Source: Anatel

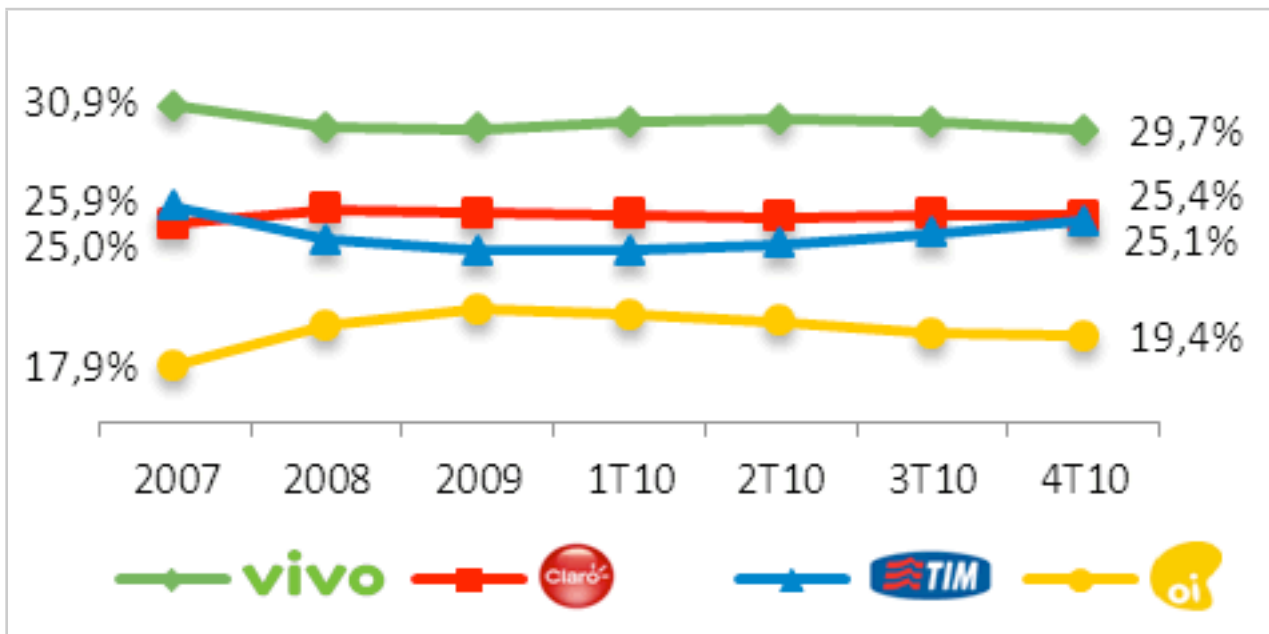
GSM participation in the total of accesses reached the maximum of 90.16% in Nov/09 and, after that, it started to fall. The drop in the participation happens because the number of GSM cell phones is increasing less than the number of WCDMA. WCDMA overtook CDMA in Feb/10.

Mobile Accesses per Band

Techn.	Dec. 2007	2009		
		Number of Cellulars		Year Growth
A	51,000	58,930	33.9%	15.5%
B	43,337	48,837	28.1%	12.7%
D	37,620	40,107	23.1%	6.6%
E	16,991	19,312	11.1%	13.7%
Other Bands	1,694	6,771	3.9%	299.7%
Total	150,641	173,958	100.0%	15.5%

* Band E includes band M.

Cellular Operators Market Share



Operators Market Share (Percentage Points)

Thousands	2007	2008	2009	1Q10	2Q10	3Q10	4Q10
Vivo	30.90%	29.84%	29.75%	30.12%	30.24%	30.14%	29.71%
Claro	24.99%	25.71%	25.52%	25.45%	25.33%	25.47%	25.44%
TIM	25.85%	24.17%	23.63%	23.65%	24.00%	24.52%	25.14%
Oi	17.90%	19.91%	20.73%	20.41%	20.08%	19.51%	19.35%
CTBC	0.30%	0.30%	0.31%	0.31%	0.30%	0.31%	0.30%
Sercomtel	0.06%	0.06%	0.05%	0.05%	0.04%	0.04%	0.04%
Aeiou	-	0.01%	0.01%	0.01%	0.01%	0.01%	0.01%
Mobile Accesses	1E+05	2E+05	2E+05	2E+05	2E+05	2E+05	2E+05

Differences in Market Share (Percentage Points)

Between	2007	2008	2009	1Q10	2Q10	3Q10	4Q10
Vivo and Claro	5.9 p.p.	4.1 p.p.	4.23 p.p.	4.67 p.p.	4.91 p.p.	4.67 p.p.	4.26 p.p.
Claro and Tim	(0.86 p.p.)	1.54 p.p.	1.89 p.p.	1.79 p.p.	1.33 p.p.	0.95 p.p.	0.30 p.p.
Tim and Oi	7.9 p.p.	4.26 p.p.	2.90 p.p.	3.25 p.p.	3.92 p.p.	5.01 p.p.	5.79 p.p.

Quantity of Cellular Operators (Thousands)

Thousands	2007	2008	2009	1Q10	2Q10	3Q10	4Q10
<u>Vivo*</u>	37,385	44,945	51,744	53,949	55,977	57,714	60,293
<u>Claro</u>	30,228	38,731	44,401	45,583	46,902	48,767	51,638
<u>TIM</u>	31,268	36,416	41,115	42,368	44,425	46,947	51,028
<u>Oi</u>	21,664	29,993	36,054	36,555	37,169	37,358	39,273
<u>CTBC</u>	363	454	539	552	563	589	616
<u>Sercomtel</u>	73	85	85	82	79	77	78
<u>Aeiou</u>	-	17	20	20	20	20	19
Mobile Accesses	1E+05	2E+05	2E+05	2E+05	2E+05	2E+05	2E+05

Differences in Cellular Quantity (Thousands)

Between	2007	2008	2009	1Q10	2Q10	3Q10	4Q10
Vivo and Claro	7,157	6,214	7,344	8,366	9,076	8,948	8,655
Claro and Tim	-1,040	2,315	3,286	3,215	2,477	1,820	610
Tim and Oi	9,604	6,423	5,060	5,813	7,256	9,589	11,755

Cellular Operators Net Adds in the period (Absolute)

Thousands	2007	2008	2009	1Q10	2Q10	3Q10	Dec/10	4Q10	Accumulat ed 2010
<u>Vivo</u>	4,896	7,560	6,799	2,205	2,028	1,737	1,435	2,578	8,548
<u>Claro</u>	6,347	8,503	5,669	1,182	1,318	1,865	1,175	2,871	7,237
<u>TIM</u>	5,843	5,148	4,698	1,254	2,057	2,522	1,821	4,081	9,913
<u>Oi</u>	3,998	8,329	6,062	501	614	189	993	1,915	3,218
<u>CTBC</u>	-10	91	85	13	10	27	-15	26	76
<u>Sercomtel</u>	-13	12	0	-4	-2	-2	2	1	-7
Aeiou	-	17	4	0	0	0	0	-1	-1
Mobile Accesses	21,061	29,661	23,318	5,150	6,025	6,337	5,410	11,472	28,985