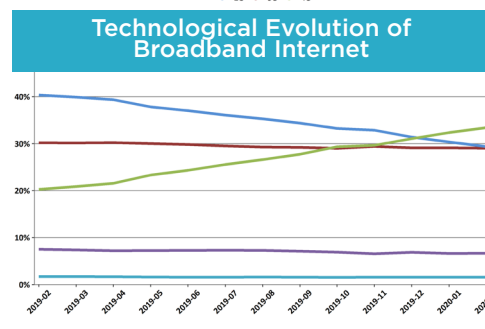
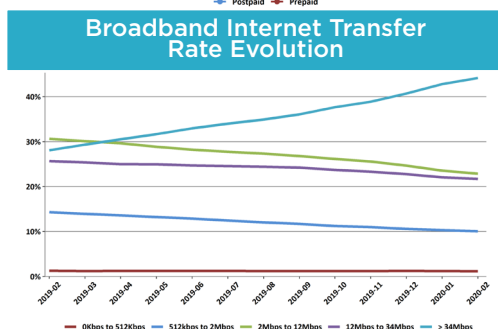
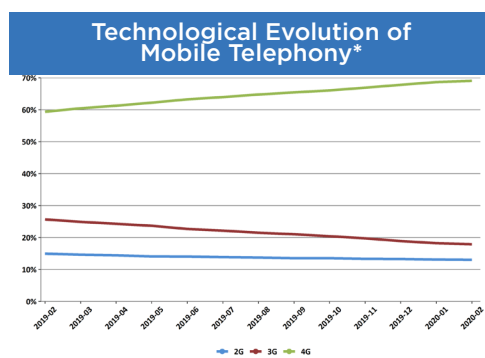
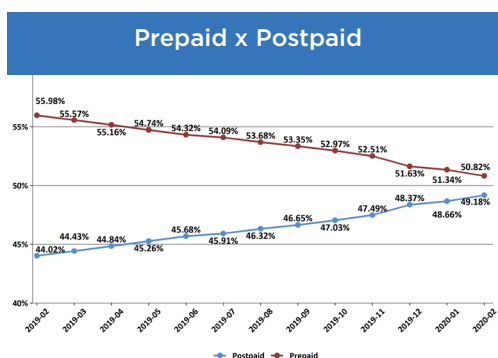
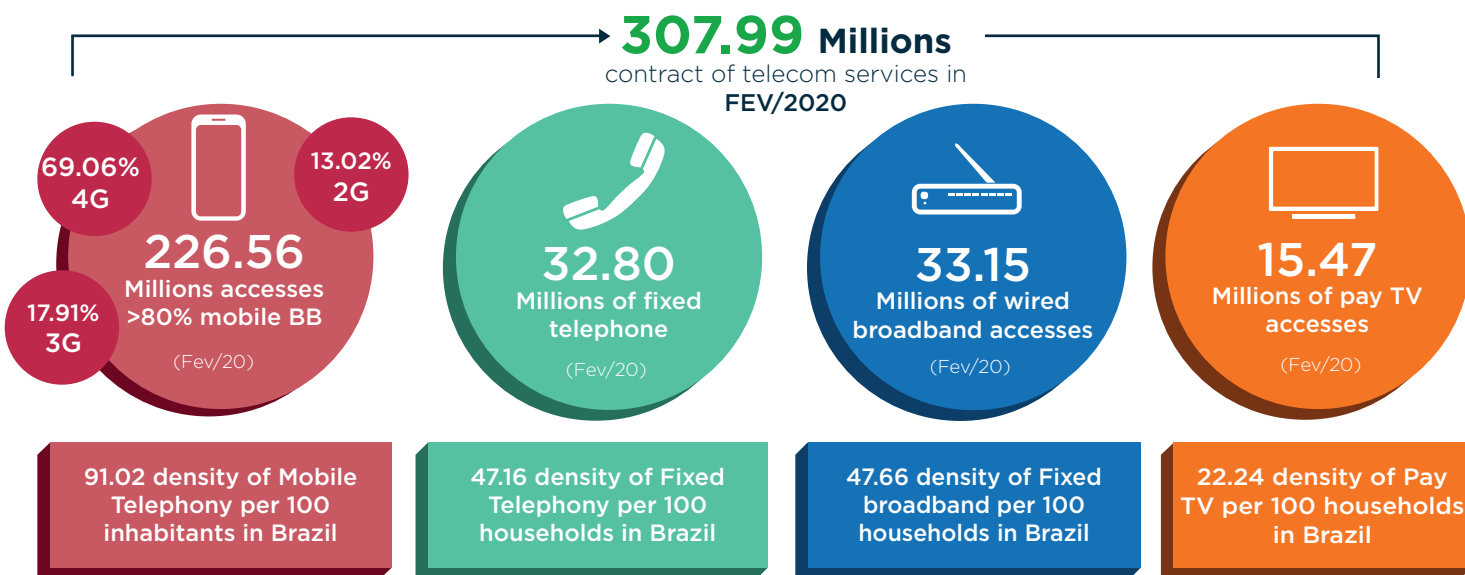
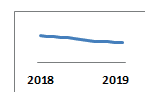
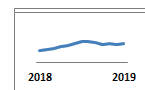
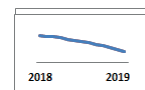
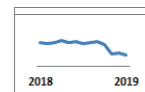
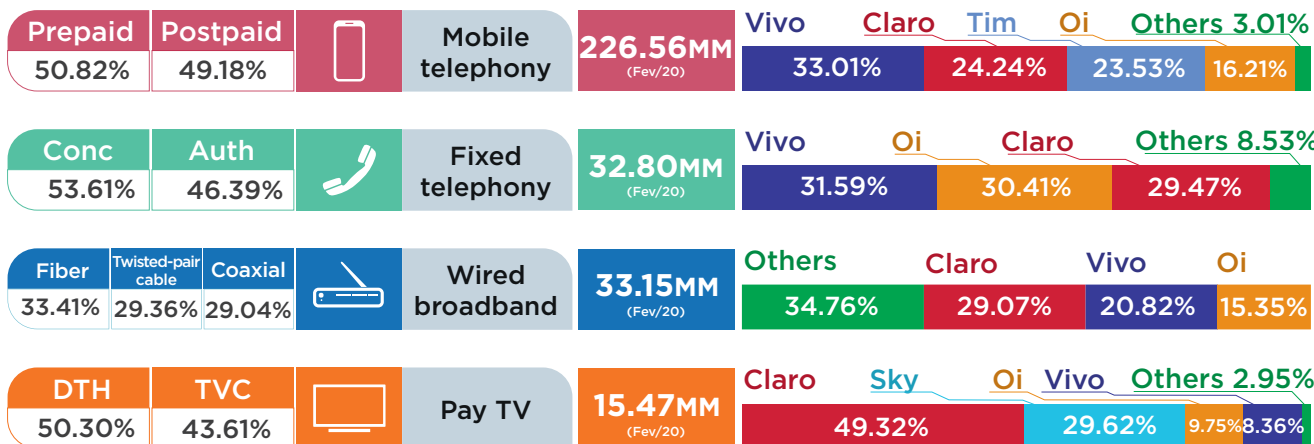




# OVERVIEW OF TELECOMMUNICATION IN BRAZIL FEBRUARY/2020



### MOBILE TELEPHONY, PER GROUP AND TECHNOLOGY

Group	Accesses	4G	3G	2G	Market Share	Complaints Index
VIVO	74,780,305	49,864,735	11,047,719	13,867,851	33.01%	0.31
CLARO	54,916,505	36,930,370	16,565,493	1,420,642	24.24%	0.47
TIM	53,304,774	39,090,464	7,661,516	6,552,794	23.53%	0.75
OI	36,731,465	25,154,190	4,597,112	6,980,163	16.21%	0.41
OTHER	6,827,635	5,431,032	713,298	683,305	3.01%	Not applicable
<b>TOTAL</b>	<b>226,560,684</b>	<b>156,470,791</b>	<b>40,585,138</b>	<b>29,504,755</b>	<b>100.00%</b>	
<b>PERCENTAGE</b>	<b>100.00%</b>	<b>69.06%</b>	<b>17.91%</b>	<b>13.02%</b>		

### ON SERVICE ACCESSES, FIXED TELEPHONY

Group	Accesses	Market Share	Complaints Index
VIVO	10,360,692	31.59%	1.30
OI	9,976,794	30.41%	1.69
CLARO	9,668,305	29.47%	0.60
OTHER	2,796,431	8.53%	Not applicable
<b>TOTAL</b>	<b>32,802,222</b>	<b>100.00%</b>	

### ACCESSES PER TYPE OF GRANTS, FIXED TELEPHONY

Type	Accesses	Percentage
As a public service concession	17,585,889	53.61%
As a private service	15,216,333	46.39%
<b>TOTAL</b>	<b>32,802,222</b>	<b>100.00%</b>

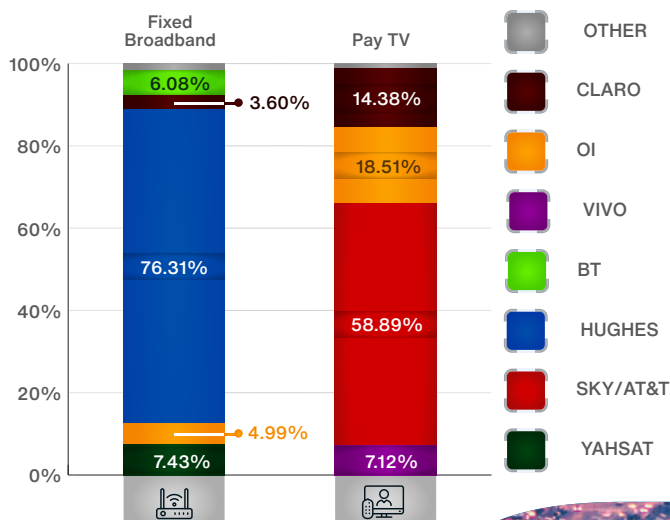
### WIRED BROADBAND, PER GROUP AND TECHNOLOGY

Group	Accesses	Twisted-pair cable	Coaxial cable	Optic Fiber	Radio	LTE	Satellite	Market Share	Complaints Index
CLARO	9,636,912	77,168	9,231,666	303,482	14,782	0	9,814	29.07%	1.53
VIVO	6,903,561	4,201,551	0	2,702,010	0	0	0	20.82%	1.79
OI	5,087,077	3,879,835	0	1,177,297	16,355	0	13,590	15.35%	2.02
OTHER	11,523,153	1,575,352	395,217	6,892,957	2,174,703	233,180	251,744	34.76%	Not applicable
<b>TOTAL</b>	<b>33,150,703</b>	<b>9,733,906</b>	<b>9,626,883</b>	<b>11,075,746</b>	<b>2,205,840</b>	<b>233,180</b>	<b>275,148</b>	<b>100.00%</b>	
<b>PERCENTAGE</b>	<b>100.00%</b>	<b>29.36%</b>	<b>29.04%</b>	<b>33.41%</b>	<b>6.65%</b>	<b>0.70%</b>	<b>0.83%</b>		

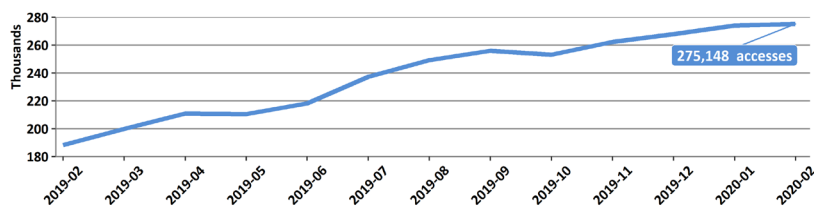
### PAY TV, PER GROUP AND TECHNOLOGY

Group	Accesses	DTH	FTTH	MMDS	TVA	TVC	Market Share	Complaints Index
CLARO	7,630,868	1,118,961	0	0	0	6,511,907	49.32%	1.29
SKY/AT&T	4,582,651	4,582,651	0	0	0	0	29.62%	1.75
OI	1,508,397	1,439,984	68,413	0	0	0	9.75%	1.48
VIVO	1,294,046	554,190	739,856	0	0	0	8.36%	1.72
OTHER	455,682	85,714	133,628	258	64	236,018	2.95%	Not applicable
<b>TOTAL</b>	<b>15,471,644</b>	<b>7,781,500</b>	<b>941,897</b>	<b>258</b>	<b>64</b>	<b>6,747,925</b>	<b>100.00%</b>	
<b>PERCENTAGE</b>	<b>100.00%</b>	<b>50.30%</b>	<b>6.09%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>43.61%</b>		

## MARKET SHARE - SATELLITE



### Number of satellite service accesses, Broadband Internet



### Number of satellite service accesses, Pay TV

