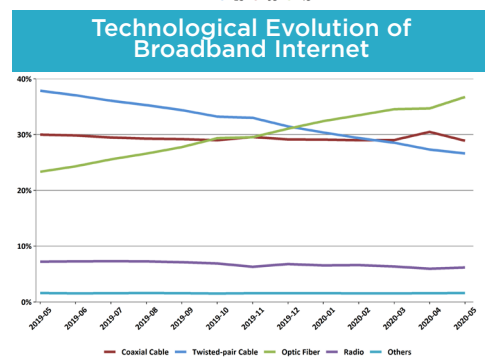
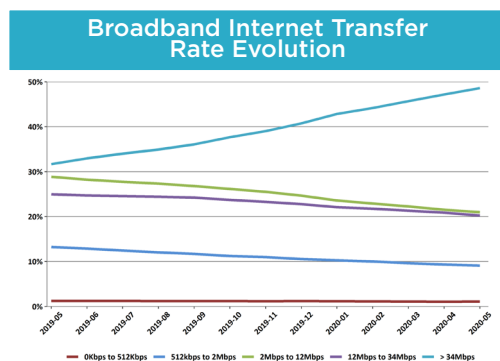
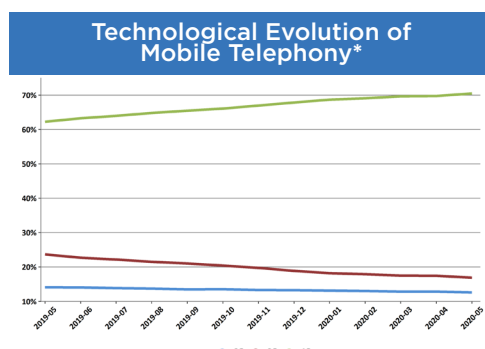
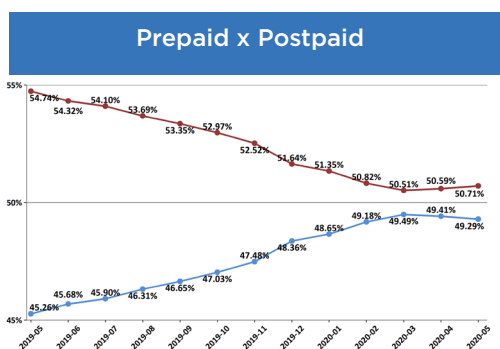
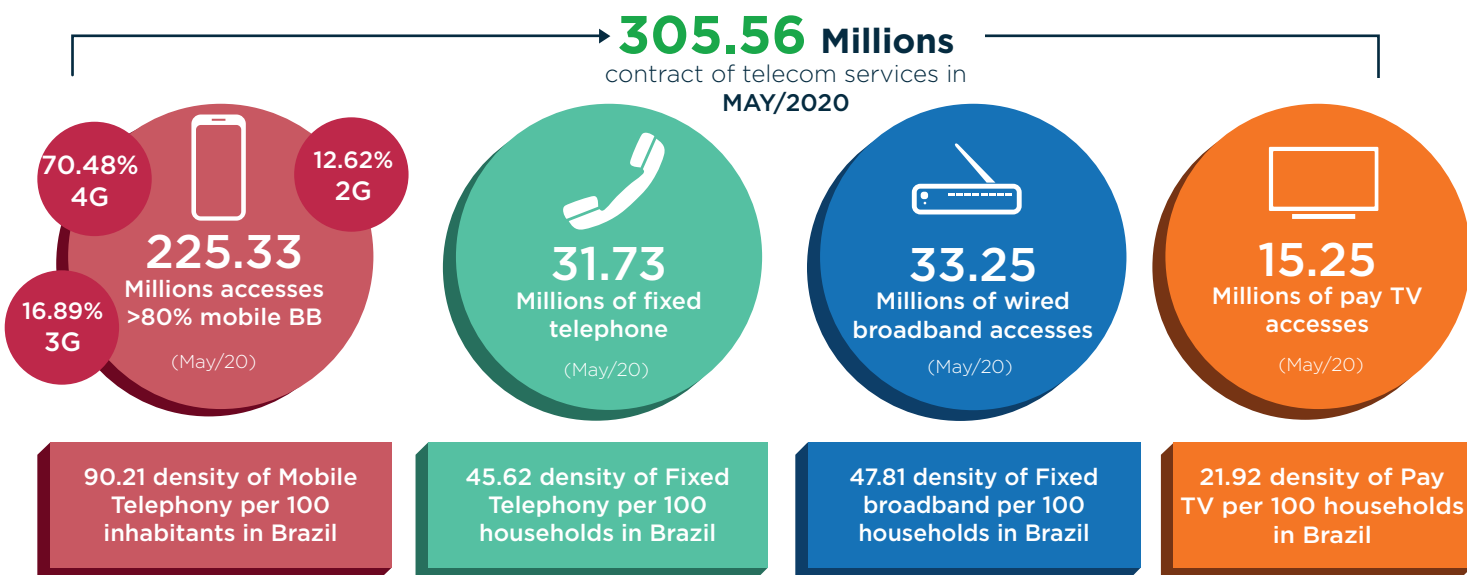
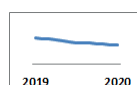
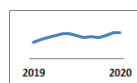
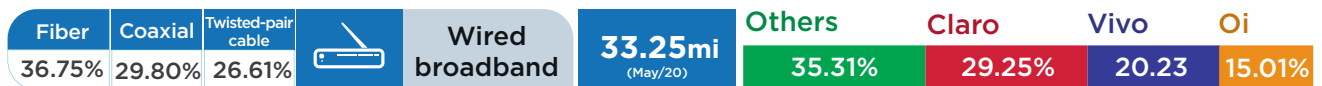
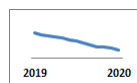
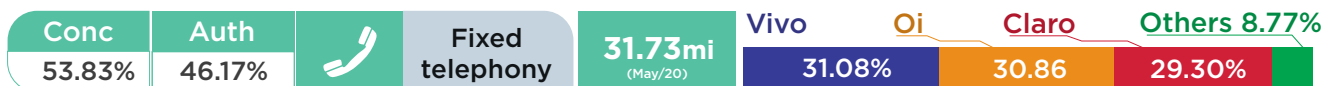
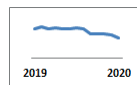
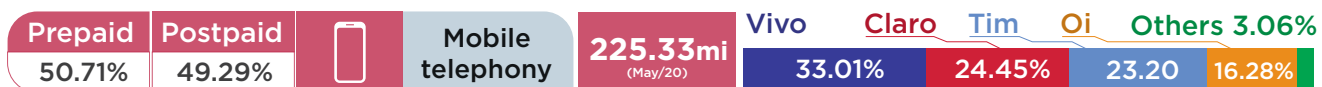




# OVERVIEW OF TELECOMMUNICATION IN BRAZIL MAY/2020



# Mobile telephony

## MOBILE TELEPHONY, PER GROUP AND TECHNOLOGY

Group	Accesses	4G	3G	2G	Market Share
VIVO	74,376,762	50,772,314	10,565,423	13,039,025	33.01%
CLARO	55,082,662	37,971,457	15,664,193	1,447,012	24.45%
TIM	52,278,309	39,202,508	7,034,680	6,041,121	23.20%
OI	36,694,284	25,358,156	4,108,528	7,227,600	16.28%
OTHER	6,897,167	5,511,700	695,196	690,271	3.06%
<b>TOTAL</b>	<b>225,329,184</b>	<b>158,816,135</b>	<b>38,068,020</b>	<b>28,445,029</b>	<b>100.00%</b>
<b>PERCENTAGE</b>	<b>100.00%</b>	<b>70.48%</b>	<b>16.89%</b>	<b>12.62%</b>	

# Fixed telephony

## ON SERVICE ACCESSES, FIXED TELEPHONY

Group	Accesses	Market Share
VIVO	9,860,984	31.08%
OI	9,791,405	30.86%
CLARO	9,298,500	29.30%
OTHER	2,781,736	8.77%
<b>TOTAL</b>	<b>31,732,625</b>	<b>100.00%</b>

## ACCESSES PER TYPE OF GRANTS, FIXED TELEPHONY

Type	Accesses	Percentage
As a public service concession	17,082,650	53.83%
As a private service	14,649,975	46.17%
<b>TOTAL</b>	<b>31,732,625</b>	<b>100.00%</b>

# Wired broadband

## WIRED BROADBAND, PER GROUP AND TECHNOLOGY

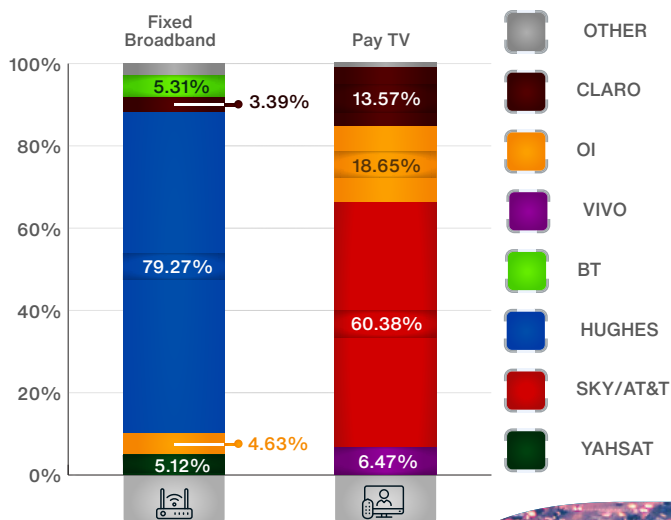
Group	Accesses	Twisted-pair cable	Coaxial cable	Optic Fiber	Radio	LTE	Satellite	Market Share
CLARO	9,726,960	77,110	9,270,252	354,991	14,653	0	9,954	29.25%
VIVO	6,726,908	3,836,035	0	2,890,873	0	0	0	20.23%
OI	4,992,066	3,476,362	0	1,485,891	16,211	0	13,602	15.01%
OTHER	11,808,212	1,458,844	340,501	7,487,672	2,020,333	230,735	270,127	35.51%
<b>TOTAL</b>	<b>33,254,146</b>	<b>8,848,351</b>	<b>9,610,753</b>	<b>12,219,427</b>	<b>2,051,197</b>	<b>230,735</b>	<b>293,683</b>	<b>100.00%</b>
<b>PERCENTAGE</b>	<b>100.00%</b>	<b>26.61%</b>	<b>28.90%</b>	<b>36.75%</b>	<b>6.17%</b>	<b>0.69%</b>	<b>0.88%</b>	

# Pay TV

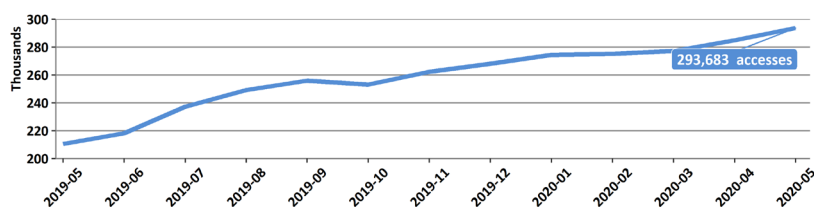
## PAY TV, PER GROUP AND TECHNOLOGY

Group	Accesses	DTH	FTTH	MMDS	TVA	TVC	Market Share
CLARO	7,452,249	1,026,224	0	0	0	6,426,025	48.87%
SKY/AT&T	4,564,584	4,564,584	0	0	0	0	29.94%
OI	1,482,440	1,409,621	72,819	0	0	0	9.72%
VIVO	1,269,734	488,958	780,776	0	0	0	8.33%
OTHER	478,634	70,279	155,378	249	64	252,664	3.14%
<b>TOTAL</b>	<b>15,247,641</b>	<b>7,559,666</b>	<b>1,008,973</b>	<b>249</b>	<b>64</b>	<b>6,678,689</b>	<b>100.00%</b>
<b>PERCENTAGE</b>	<b>100.00%</b>	<b>49.58%</b>	<b>6.62%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>43.80%</b>	

## MARKET SHARE - SATELLITE



## Number of satellite service accesses, Broadband Internet



## Number of satellite service accesses, Pay TV

