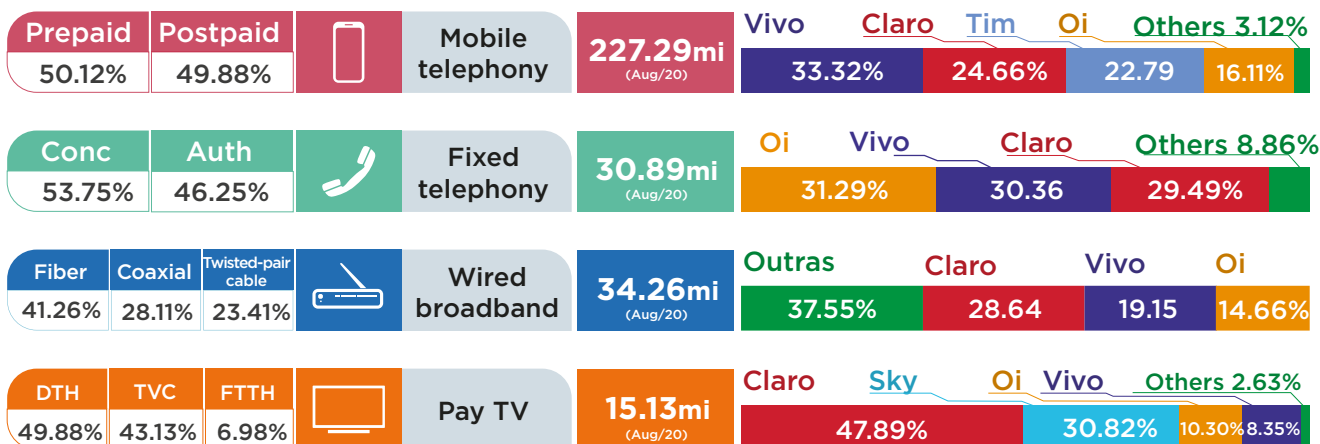


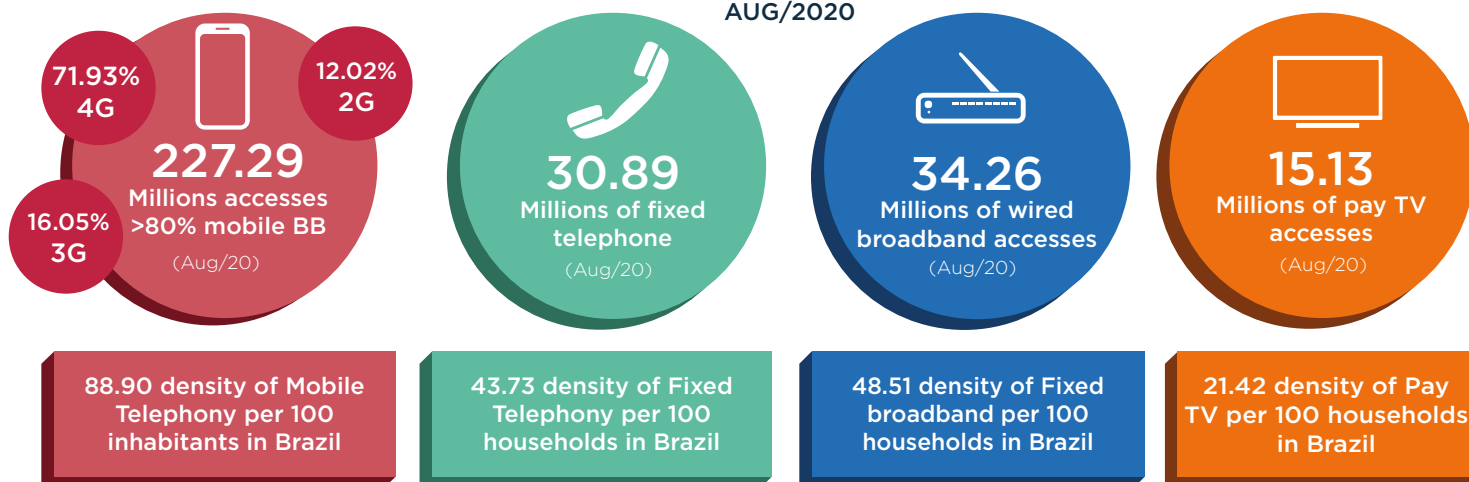


# OVERVIEW OF TELECOMMUNICATION IN BRAZIL AUGUST/2020

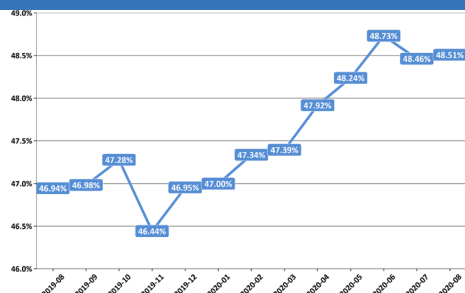


**307.57 Millions**

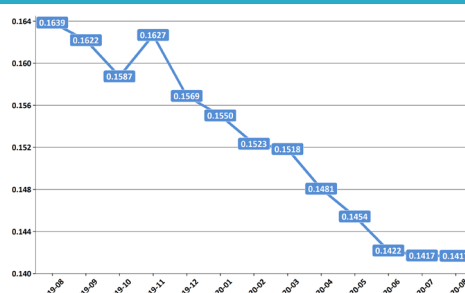
contract of telecom services in  
AUG/2020



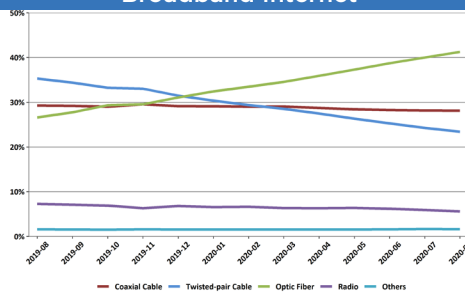
Density of Fixed Broadband



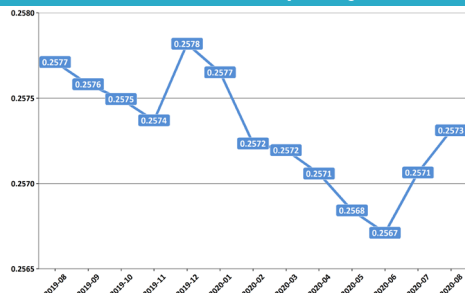
Market Concentration of Fixed Broadband



Technological Evolution of Broadband Internet



Market Concentration of Mobile Telephony



\* Market Concentration is calculated using [Herfindahl-Hirschman Index \(HHI\)](#).

# Mobile telephony

## MOBILE TELEPHONY, PER GROUP AND TECHNOLOGY

Group	Accesses	4G	3G	2G	Market Share
VIVO	75,738,798	52,779,557	9,925,309	13,033,932	33.32%
CLARO	56,044,776	38,694,896	15,905,589	1,444,291	24.66%
TIM	51,795,190	39,892,179	6,419,279	5,483,732	22.79%
OI	36,613,733	26,498,388	3,481,211	6,634,134	16.11%
OTHER	7,099,849	5,631,117	751,372	717,360	3.12%
<b>TOTAL</b>	<b>227,292,346</b>	<b>163,496,137</b>	<b>36,482,760</b>	<b>27,313,449</b>	<b>100.00%</b>
<b>PERCENTAGE</b>	<b>100.00%</b>	<b>71.93%</b>	<b>16.05%</b>	<b>12.02%</b>	

# Fixed telephony

## ON SERVICE ACCESSES, FIXED TELEPHONY

Group	Accesses	Market Share
VIVO	9,663,333	31.29%
OI	9,378,220	30.36%
CLARO	9,108,047	29.49%
OTHER	2,737,943	8.86%
<b>TOTAL</b>	<b>30,887,543</b>	<b>100.00%</b>

## ACCESSES PER TYPE OF GRANTS, FIXED TELEPHONY

Type	Accesses	Percentage
As a public service concession	14,247,627	46.13%
As a private service	16,639,916	53.87%
<b>TOTAL</b>	<b>30,887,543</b>	<b>100.00%</b>

# Wired broadband

## WIRED BROADBAND, PER GROUP AND TECHNOLOGY

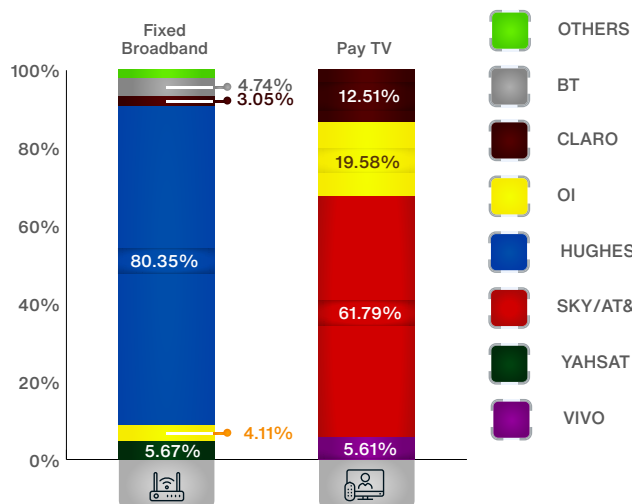
Group	Accesses	Twisted-pair cable	Coaxial cable	Optic Fiber	Radio	LTE	Satellite	Market Share
CLARO	9,813,716	77,091	9,300,289	411,702	14,595	0	10,039	28.64%
VIVO	6,560,800	3,401,124	0	3,159,676	0	0	0	19.15%
OI	5,023,806	3,068,268	0	1,926,060	15,941	0	13,537	14.66%
OTHER	12,864,213	1,474,234	331,458	8,639,228	1,889,728	223,930	305,635	37.55%
<b>TOTAL</b>	<b>34,262,535</b>	<b>8,020,717</b>	<b>9,631,747</b>	<b>14,136,666</b>	<b>1,920,264</b>	<b>223,930</b>	<b>329,211</b>	<b>100.00%</b>
<b>PERCENTAGE</b>	<b>100.00%</b>	<b>23.41%</b>	<b>28.11%</b>	<b>41.26%</b>	<b>5.60%</b>	<b>0.65%</b>	<b>0.96%</b>	

# Pay TV

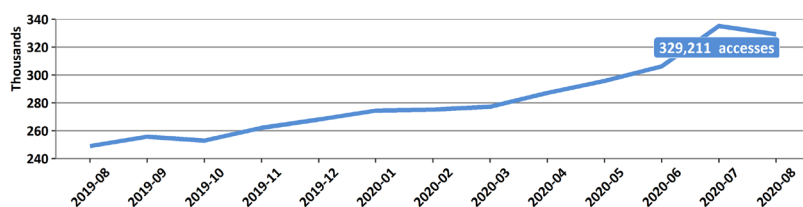
## PAY TV, PER GROUP AND TECHNOLOGY

Group	Accesses	DTH	FTTH	MMDS	TVA	TVC	Market Share
CLARO	7,245,465	944,121	0	0	0	6,301,344	47.89%
SKY/AT&T	4,663,035	4,663,035	0	0	0	0	30.82%
OI	1,559,087	1,477,523	81,564	0	0	0	10.30%
VIVO	1,263,923	423,392	840,531	0	0	0	8.35%
OTHER	397,923	38,282	134,639	242	64	224,696	2.63%
<b>TOTAL</b>	<b>15,129,433</b>	<b>7,546,353</b>	<b>1,056,734</b>	<b>242</b>	<b>64</b>	<b>6,526,040</b>	<b>100.00%</b>
<b>PERCENTAGE</b>	<b>100.00%</b>	<b>49.88%</b>	<b>6.98%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>43.13%</b>	

## MARKET SHARE - SATELLITE



## Number of satellite service accesses, Broadband Internet



## Number of satellite service accesses, Pay TV

