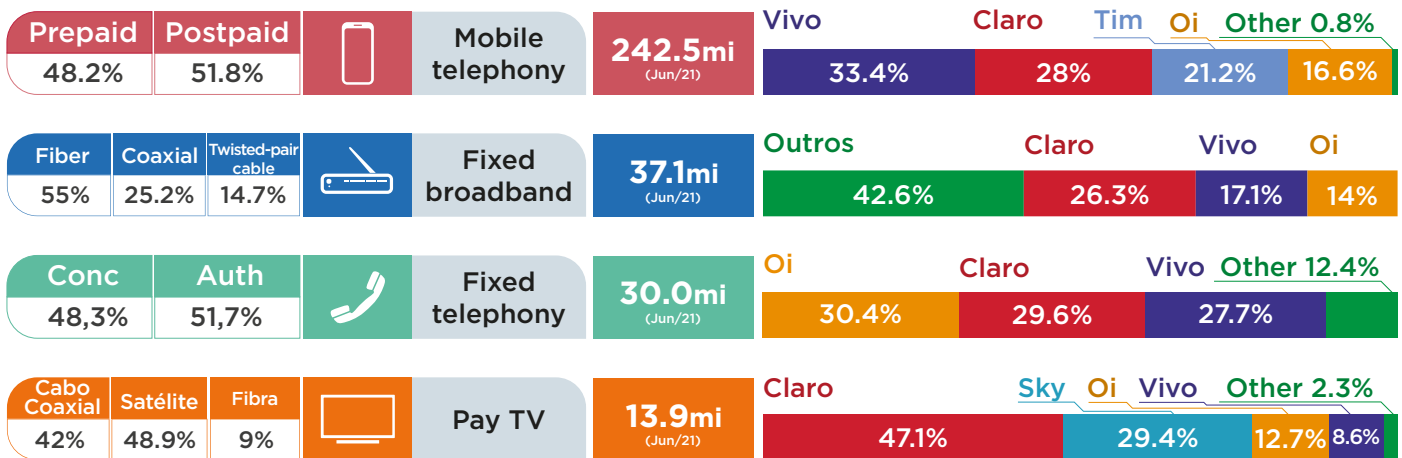


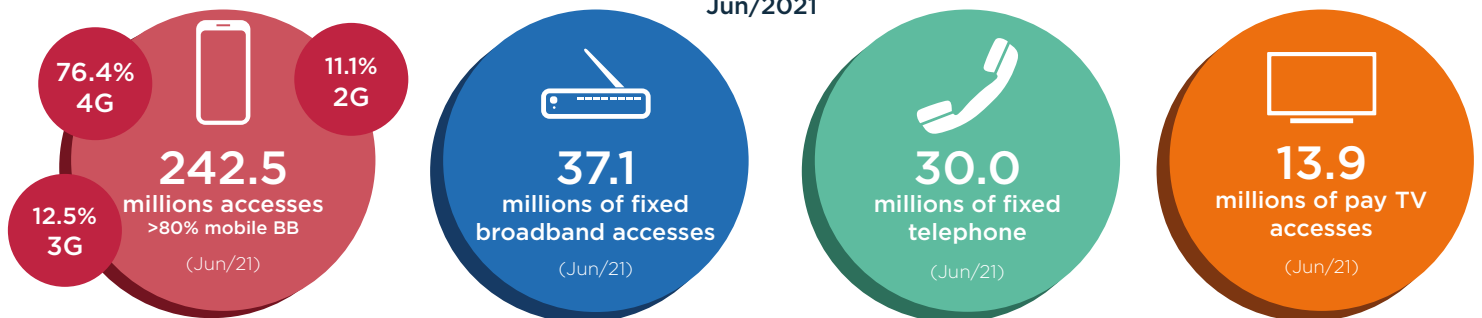


OVERVIEW OF TELECOMMUNICATIONS IN BRAZIL JUN/2021



323.5 Millions

contract of telecom services in
Jun/2021



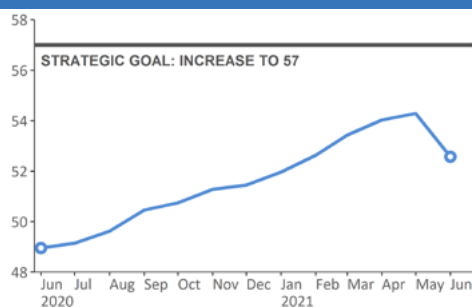
100.5 density of Mobile
Telephony per 100
inhabitants in Brazil

52.6 density of Fixed
broadband per 100
households in Brazil

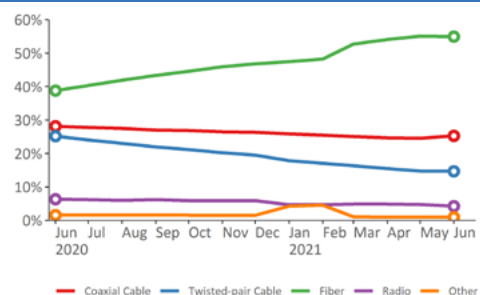
42.5 density of Fixed
Telephony per 100
households in Brazil

19.6 density of
Pay TV per 100
households in Brazil

Density of Fixed Broadband



Technological Evolution of
Fixed Broadband



Market Concentration*
of Fixed Broadband



Market Concentration*
of Mobile Telephony



* Market Concentration is calculated using *Herfindahl-Hirschman Index (HHI)*.



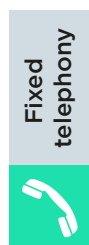
MOBILE TELEPHONY, PER GROUP AND TECHNOLOGY

Group	Accesses	4G	3G	2G	Market Share
VIVO	80,965,123	59,400,787	8,679,103	12,885,233	33.4%
CLARO	67,774,992	50,390,029	14,658,162	2,726,801	28.0%
TIM	51,340,682	44,357,177	3,782,104	3,201,401	21.2%
OI	40,333,376	29,992,268	3,195,484	7,145,624	16.6%
Other	2,055,204	1,068,066	46,125	941,013	0.8%
TOTAL	242,469,377	185,208,327	30,360,978	26,900,072	100%
PERCENTAGE	100%	76.4%	12.5%	11.1%	



FIXED BROADBAND, PER GROUP AND TECHNOLOGY

Group	Accesses	Optic Fiber	Coaxial Cable	Twisted-pair cable	Radio	Indefinite	Satellite	Market Share
CLARO	9,774,338	484,378	9,185,891	73,906	5,841	0	24,322	26.3%
VIVO	6,337,385	4,047,139	59	2,290,187	0	0	0	17.1%
OI	5,205,908	3,147,522	123	2,032,952	12,630	0	12,681	14.0%
Other	15,818,652	12,740,559	186,535	1,045,187	1,540,056	0	306,315	42.6%
TOTAL	37,136,283	20,419,598	9,372,608	5,442,232	1,558,527	0	343,318	100%
PERCENTAGE	100%	55%	25.2%	14.7%	4.2%		0.9%	



ON SERVICE ACCESSSES, FIXED TELEPHONY

Group	Accesses	Market Share
OI	9,121,646	30.4%
CLARO	8,870,134	29.6%
VIVO	8,301,240	27.7%
Other	3,721,489	12.4%
TOTAL	30,014,509	100%

ACCESSSES PER TYPE OF GRANTS, FIXED TELEPHONY

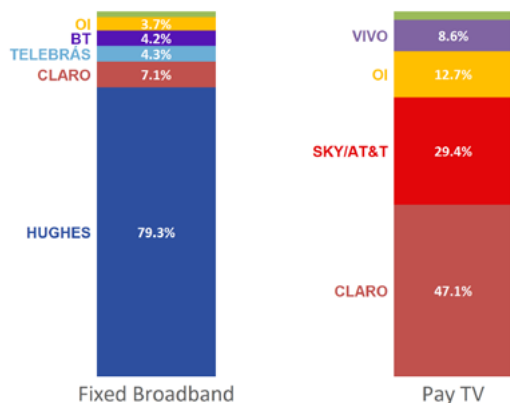
Type	Accesses	Percentual
As a public service concession	15,525,899	51.7%
As a private service	14,488,610	48.3%
TOTAL	30,014,509	100%



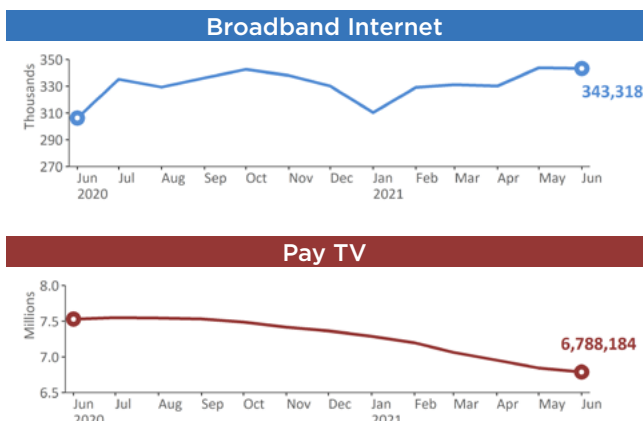
PAY TV, PER GROUP AND TECHNOLOGY

Group	Accesses	Coaxial Cable	Satellite	Indefinite	Optic Fiber	Market Share
CLARO	6,531,135	5,713,782	737,281	0	80,072	47.1%
SKY/AT&T	4,080,603	0	4,080,603	0	0	29.4%
OI	1,757,172	0	1,659,539	0	97,633	12.7%
VIVO	1,186,241	0	267,786	0	918,455	8.6%
Other	313,559	110,893	42,975	0	155,043	2.3%
TOTAL	13,868,710	5,824,675	6,788,184	0	1,251,203	100%
PERCENTAGE	100%	48.9%	42%		9%	

Market Share - Satellite



Number of satellite service accesses



In January 2021, there was a change in access data collection, according to [Resolution No. 712/2019](#), and some databases are still undergoing adjustments.