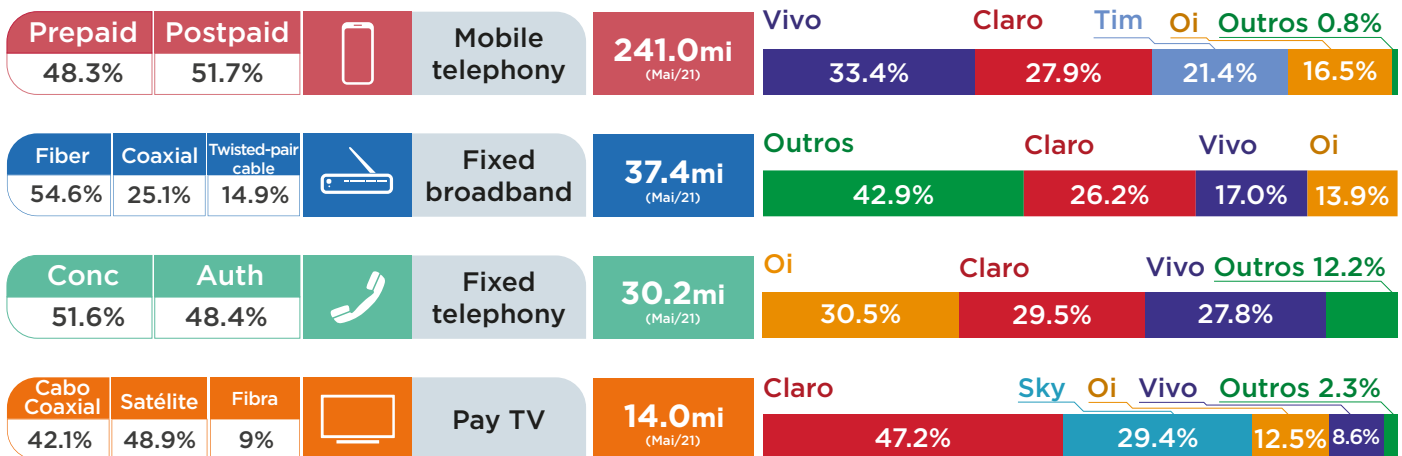


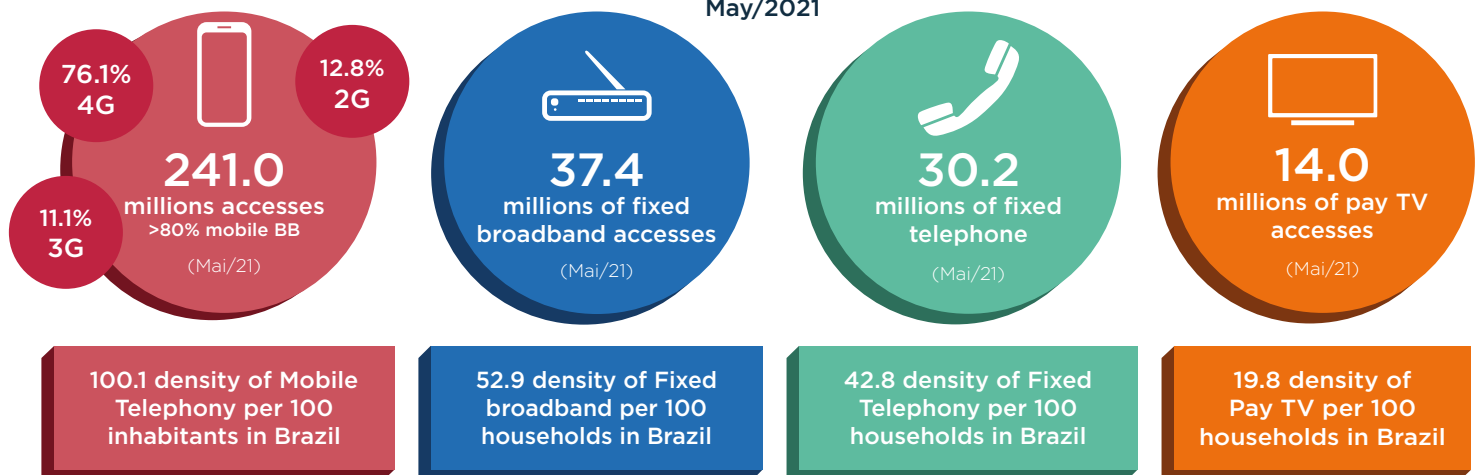


OVERVIEW OF TELECOMMUNICATIONS IN BRAZIL MAY/2021



322.6 Millions

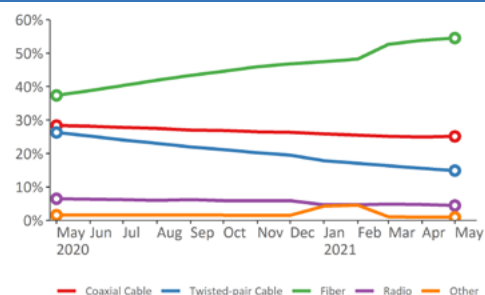
contract of telecom services in
May/2021



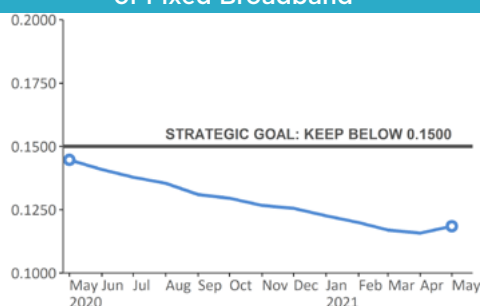
Density of Fixed Broadband



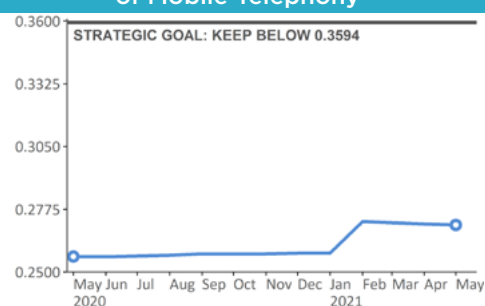
Technological Evolution of
Fixed Broadband



Market Concentration*
of Fixed Broadband



Market Concentration*
of Mobile Telephony



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



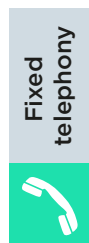
MOBILE TELEPHONY, PER GROUP AND TECHNOLOGY

Group	Accesses	4G	3G	2G	Market Share
VIVO	80,439,067	58,948,458	8,799,710	12,690,899	33.4%
CLARO	67,240,009	49,863,693	14,763,704	2,612,612	27.9%
TIM	51,507,191	44,199,449	3,974,668	2,612,612	21.4%
OI	39,844,780	29,345,176	3,212,267	7,287,337	16.5%
Other	1,981,699	1,051,264	49,817	880,618	0.8%
TOTAL	241,012,746	183,408,040	30,800,166	26,084,078	100%
PERCENTAGE	100%	76.1%	12.8%	11.1%	



FIXED BROADBAND, PER GROUP AND TECHNOLOGY

Group	Accesses	Optic Fiber	Coaxial Cable	Twisted-pair cable	Radio	Indefinite	Satellite	Market Share
CLARO	9,792,670	478,931	9,209,994	73,857	5,889	0	23,999	26.2%
VIVO	6,358,051	3,999,118	59	2,358,473	341	0	60	17.0%
OI	5,185,845	3,033,627	123	2,126,804	12,655	0	12,636	13.9%
Other	16,061,498	12,889,864	192,187	1,015,888	1,654,525	4,020	305,014	42.9%
TOTAL	37,398,064	20,401,540	9,402,363	5,575,022	1,673,410	4,020	341,709	100%
PERCENTAGE	100%	51.1%	26.1%	16.8%	4.5%	0.2%	9%	



ON SERVICE ACCESSSES, FIXED TELEPHONY

Group	Accesses	Market Share
OI	9,219,377	30.5%
CLARO	8,901,007	29.5%
VIVO	8,404,582	27.8%
Other	3,689,728	12.2%
TOTAL	30,214,694	100%

ACCESSSES PER TYPE OF GRANTS, FIXED TELEPHONY

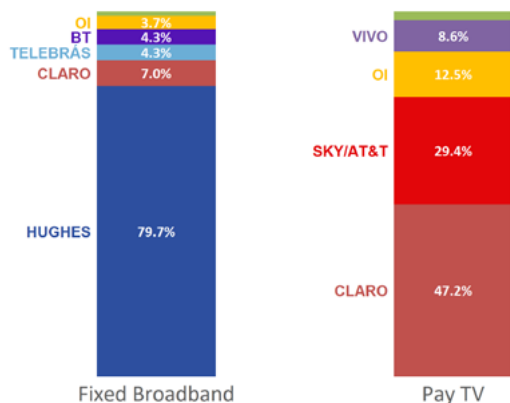
Type	Accesses	Percentual
As a public service concession	15,589,526	51.6%
As a private service	14,625,168	48.4%
TOTAL	30,214,694	100%



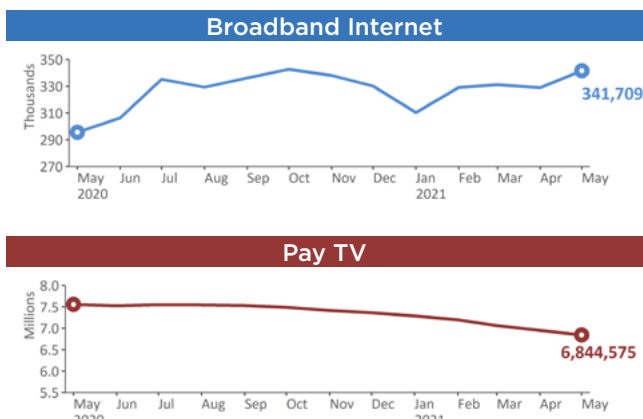
PAY TV, PER GROUP AND TECHNOLOGY

Group	Accesses	Coaxial Cable	Satellite	Indefinite	Optic Fiber	Market Share
CLARO	6,607,876	5,770,441	758,392	0	79,043	47.2%
SKY/AT&T	4,117,393	0	4,117,393	0	0	29.4%
OI	1,745,081	0	1,646,940	0	98,141	12.5%
VIVO	1,197,656	0	279,900	0	917,756	8.6%
Other	325,793	118,185	41,950	0	162,129	2.3%
TOTAL	13,993,799	5,888,626	6,844,575	0	1,257,069	100%
PERCENTAGE	100%	49.4%	41.9%		8.7%	

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.