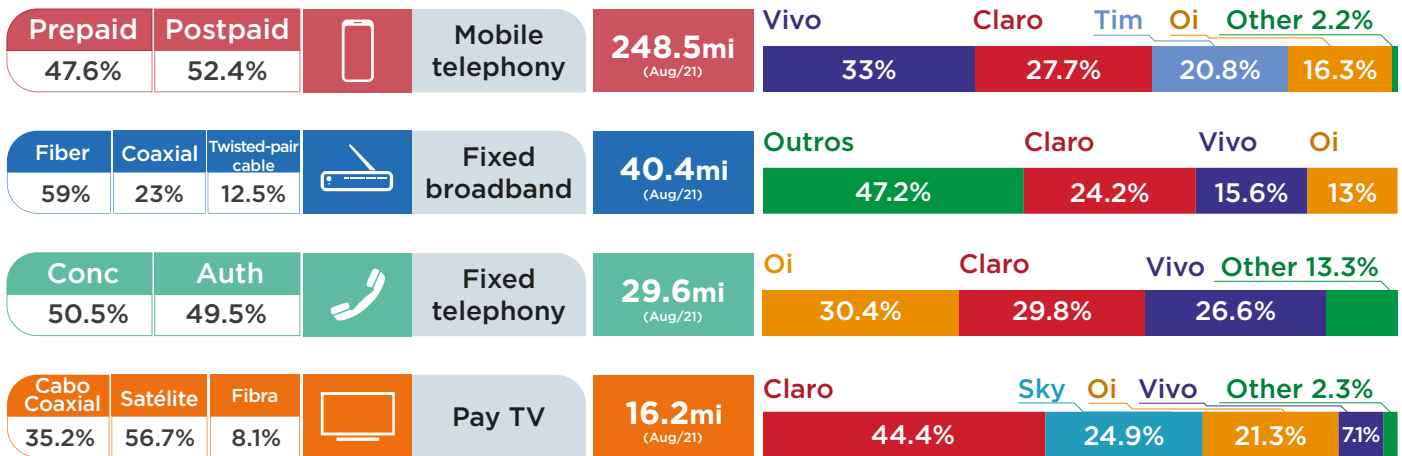


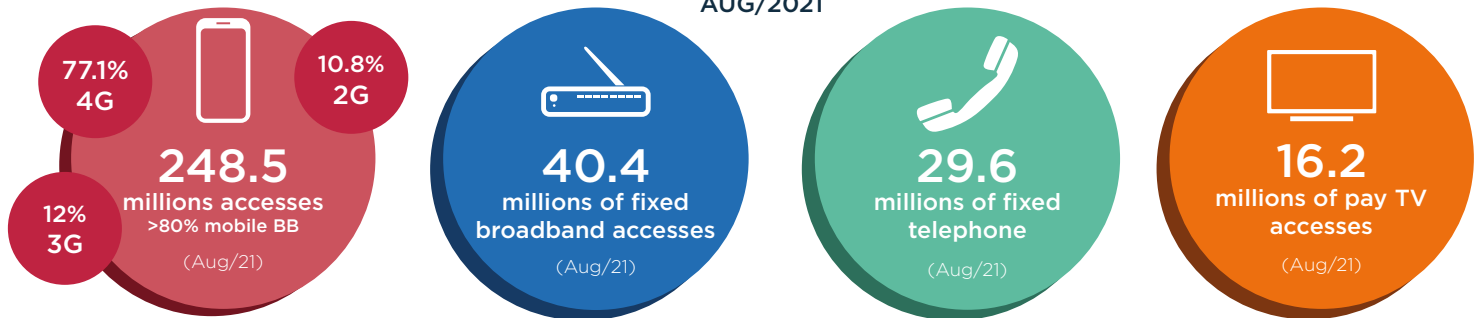


OVERVIEW OF TELECOMMUNICATIONS IN BRAZIL AUG/2021



334.8 Millions

contracts of telecom services in
AUG/2021



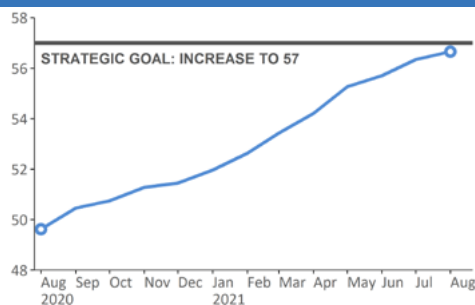
101.9 density of Mobile
Telephony per 100
inhabitants in Brazil

57.2 density of Fixed
broadband per 100
households in Brazil

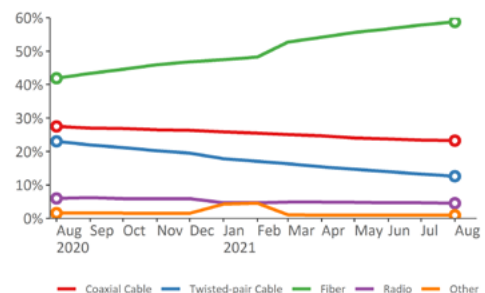
42.0 density of Fixed
Telephony per 100
households in Brazil

23.0 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	82,045,738	60,366,611	8,588,043	13,091,084	33.0%
CLARO	68,720,863	51,542,160	14,279,072	2,899,631	27.7%
TIM	51,718,606	44,929,911	3,570,716	3,127,377	20.8%
OI	40,438,897	30,817,805	3,049,136	6,571,956	16.3%
Other	5,571,315	3,989,757	425,213	1,156,345	2.2%
TOTAL	248,495,419	191,646,244	29,912,180	26,846,393	100%
PERCENTAGE	100%	77.1%	12.0%	10.8%	

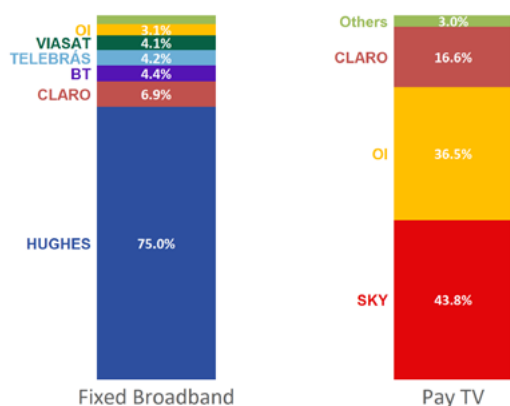
FIXED BROADBAND, PER GROUP AND TECHNOLOGY									
Fixed broadband	Group	Accesses	Optic Fiber	Coaxial Cable	Twisted-pair cable	Radio	Indefinite	Satellite	Market Share
	CLARO	9,763,568	562,900	9,097,722	72,683	5,652	0	24,611	24.1%
	VIVO	6,324,962	4,256,047	59	2,068,856	0	0	0	15.6%
	OI	5,248,347	3,373,741	123	1,850,872	12,531	0	11,080	13.0%
	Other	19,116,557	15,703,135	197,971	1,063,097	1,833,273	0	319,081	47.3%
	TOTAL	40,453,434	23,895,823	9,295,875	5,055,508	1,851,456	0	354,772	100%
	PERCENTAGE	100%	59.1%	23.0%	12.5%	4.6%		0.9%	

Fixed telephony	ON SERVICE ACCESSES, FIXED TELEPHONY		
	Group	Accesses	Market Share
	OI	8,998,992	30.4%
	CLARO	8,822,742	29.8%
	VIVO	7,874,204	26.6%
	Other	3,946,053	13.3%
	TOTAL	29,641,991	100%

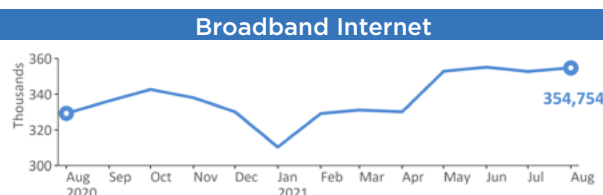
ACCESSES PER TYPE OF GRANTS, FIXED TELEPHONY		
Type	Accesses	Percentual
As a public service concession	14,970,710	50.5%
As a private service	14,671,281	49.5%
TOTAL	29,641,991	100%

PAY TV, PER GROUP AND TECHNOLOGY							
Pay TV	Group	Accesses	Coaxial Cable	Satellite	Indefinite	Optic Fiber	Market Share
	CLARO	7,197,086	5,582,594	1,526,459	0	88,033	44.4%
	SKY	4,030,680	0	4,030,680	0	0	24.9%
	OI	3,457,843	0	3,361,323	0	96,520	21.3%
	VIVO	1,155,171	0	236,547	0	918,624	7.1%
	Other	374,079	120,473	43,082	0	203,979	2.3%
	TOTAL	16,214,859	5,703,067	9,198,091	0	1,307,156	100%
	PERCENTAGE	100%	35.2%	56.7%		8.1%	

Market Share - Satellite



Number of satellite service accesses



Prepaid TV offers known as Sky Livre or similar were considered as Pay TV and, as of July 2021, became part of the subscriber data base made available by Anatel in its publications.