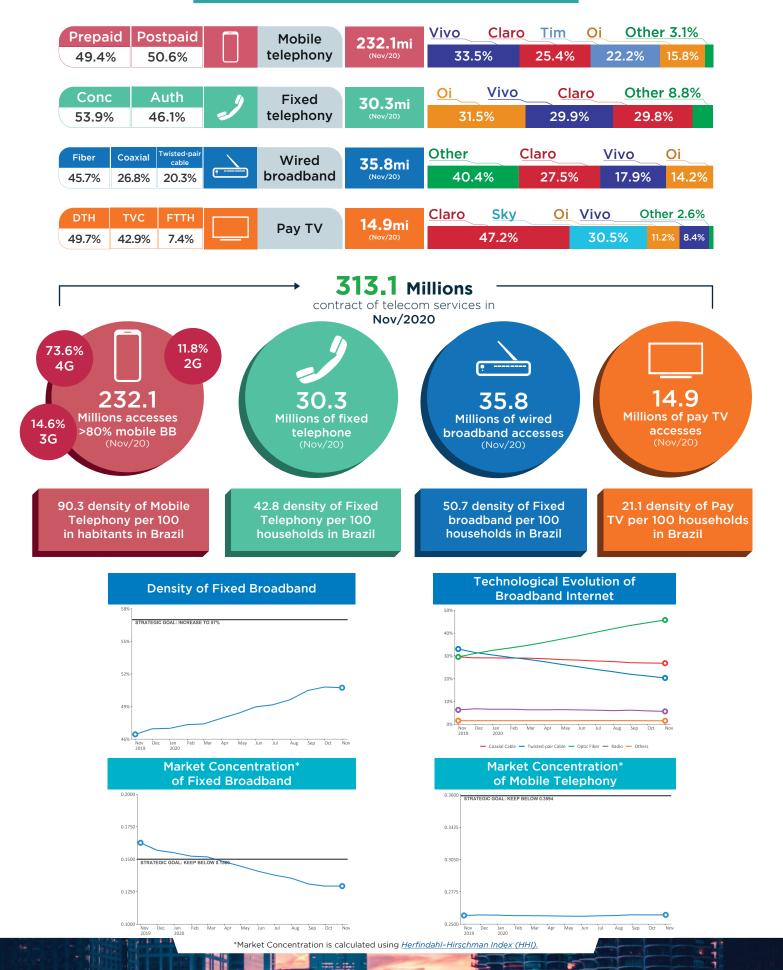


OVERVIEW OF TELECOMMUNICATION IN BRAZIL NOVEMBER/2020





Mobile telephony

MOBILE TEL	EPHONY, PER				
Group	Accesses	4G	3G	2G	Market Shar
VIVO	77,754,424	55,018,125	9,494,048	13,242,251	33.5%
CLARO	58,933,865	42,061,613	14,902,854	1,969,398	25.4%
TIM	51,511,609	41,483,542	5,540,484	4,487,583	22.2%
01	36,604,087	26,527,702	3,181,858	6,894,527	15.8%
OTHER	7,251,388	5,666,365	859,661	725,362	3.1%
TOTAL	232,055,373	170,757,347	33,978,905	27,319,121	100.0%
PERCENTAGE	100.0%	73.6%	14.6%	11.8%	

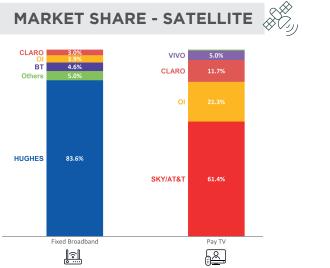
Fixed telephony

ON SERVICE ACCESSES, FIXED TELEPHONY						
Group	Accesses	Market Share				
OI	9,527,781	31.5%				
VIVO	9,034,611	29.9%				
CLARO	9,013,996	29.8%				
OTHER	2,674,175	8.8%				
TOTAL	30,250,563	100.0%				

ACCESSES PER TYPE OF GRANTS, FIXED TELEPHONY					
Туре	Accesses	Percentual			
As a public service concession	16,301,158	53.9%			
As a private service	13,949,405	46.1%			
TOTAL	30,250,563	100.0%			

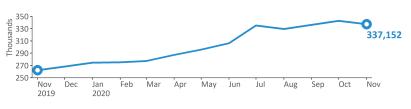
	WIRED BROADBAND, PER GROUP AND TECHNOLOGY								
Wired broadband	Group	Accesses	Twisted-pair cable	Coaxial Cable	Optic Fiber	Radio	LTE	Satellite	Market Share
	CLARO	9,849,956	77,014	9,299,415	448,892	14,494	0	10,141	27.5%
≥õ	VIVO	6,423,040	3,017,743	0	3,405,297	0	0	0	17.9%
q	OI	5,086,794	2,743,325	0	2,314,424	15,864	0	13,181	14.2%
<u>/</u> ]	OTHER	14,479,461	1,443,799	300,91	10,222,257	1,991,544	207,120	313,830	40.4%
	TOTAL	35,839,251	7,281,881	9,600,326	16,390,870	2,021,902	207,120	337,152	100.0%
	PERCENTAGE	100.0%	20.3%	26.8%	45.7%	5.6%	0.6%	0.9%	

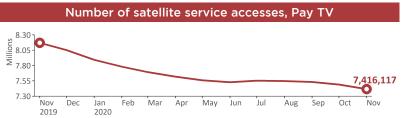
PAY TV, PER GROUP AND TECHNOLOGY							
Group	Accesses	DTH	FTTH	MMDS	TVA	тус	Market Share
CLARO	7,047,629	869,869	0	0	0	6,177,760	47.2%
SKY/AT&T	4,556,426	4,556,426	0	0	0	0	30.5%
OI	1,670,321	1,580,048	90,273	0	0	0	11.29
VIVO	1,255,833	373,755	882,078	0	0	0	8.4%
OTHER	388,354	36,019	127,400	241	64	224,630	2.6%
TOTAL	14,918,563	7,416,117	1,099,751	241	64	6,402,390	100.0%
PERCENTAGE	100.0%	49.7%	7.4%	0.0%	0.0%	42.9%	



and the

Number of satellite service accesses, Broadband Internet





ANATEL