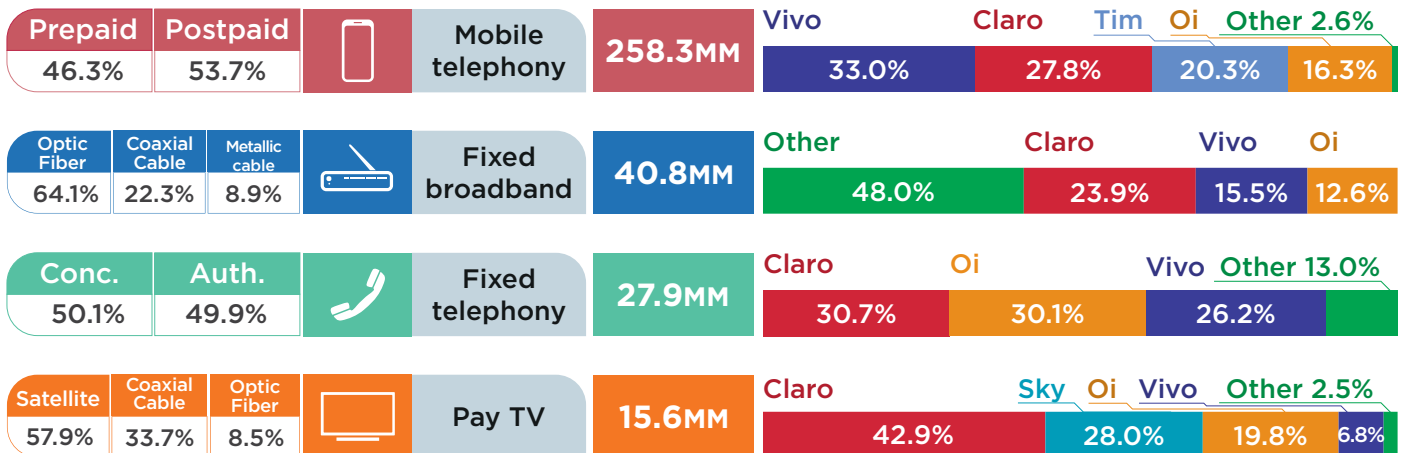


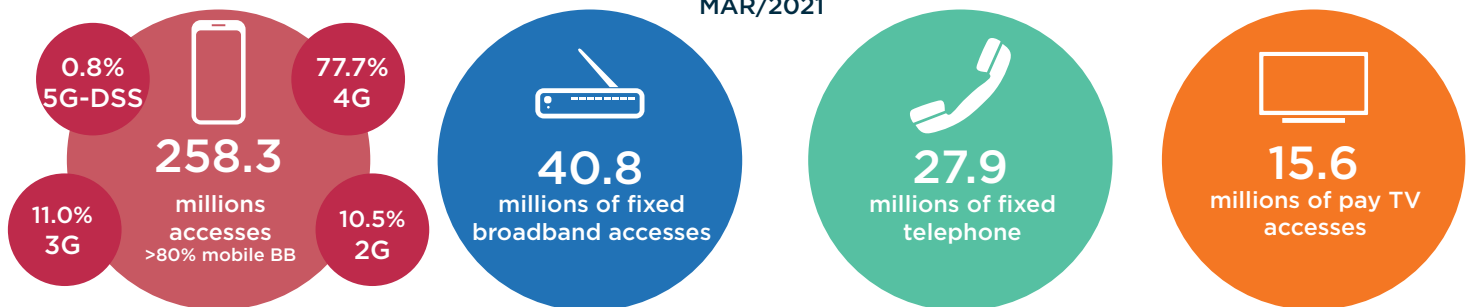


OVERVIEW OF TELECOMMUNICATIONS IN BRAZIL MAR/2022



342.6 Millions

contracts of telecom services in
MAR/2021



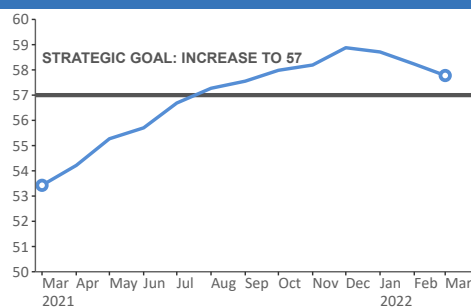
104.7 density of Mobile Telephony per 100 inhabitants in Brazil

19.3 density of Fixed broadband per 100 inhabitants in Brazil

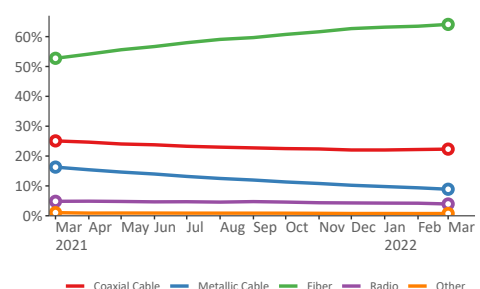
13.2 density of Fixed Telephone per 100 inhabitants in Brazil

7.4 density of Pay TV per 100 inhabitants 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	5G-DSS	4G	3G	2G	Market Share
VIVO	85,301,919	739,017	63,419,395	8,463,011	12,680,496	33.0%
CLARO	71,804,134	884,283	53,335,679	14,372,592	3,211,580	27.8%
TIM	52,304,518	366,127	46,864,583	2,207,225	2,866,583	20.3%
OI	42,078,291	0	32,322,962	3,046,442	6,708,887	16.3%
Outros	6,783,701	0	4,737,416	408,886	1,637,399	2.6%
TOTAL	258,272,563	1,989,427	200,680,035	28,498,156	27,104,945	100.0%
PERCENTAGE	100%	0.8%	77.7%	11.0%	10.5%	

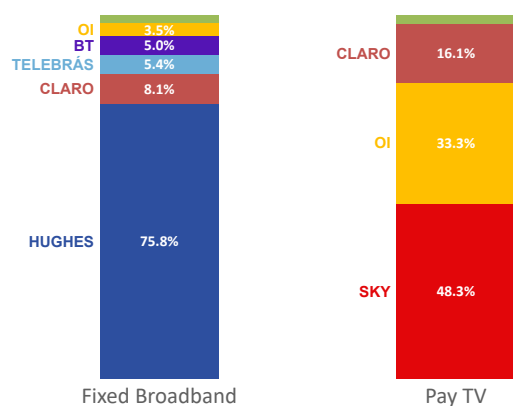
FIXED BROADBAND, PER GROUP AND TECHNOLOGY							
Group	Accesses	Optic Fiber	Coaxial Cable	Metallic cable	Radio	Satellite	Market Share
CLARO	9,754,593	671,363	8,977,535	75,575	5,303	24,817	23.9%
VIVO	6,331,393	4,838,668	59	1,492,666	0	0	15.5%
OI	5,145,311	3,850,748	122	1,271,518	12,128	10,795	12.6%
Outros	19,579,218	16,796,626	131,732	785,171	1,595,154	270,535	48.0%
TOTAL	40,810,515	26,157,405	9,109,448	3,624,930	1,612,585	306,147	100.0%
PERCENTAGE	100%	64.1%	22.3%	8.9%	4.0%	0.8%	

ON SERVICE ACCESSES, FIXED TELEPHONY		
Group	Accesses	Market Share
OI	8,568,647	30.7%
CLARO	8,393,544	30.1%
VIVO	7,309,869	26.2%
Other	3,631,359	13.0%
TOTAL	27,903,419	100.0%

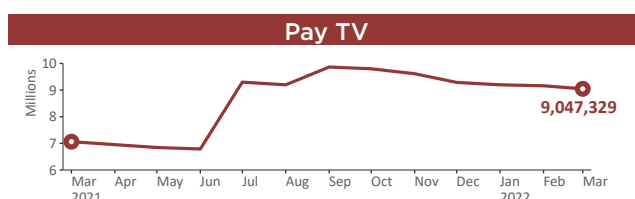
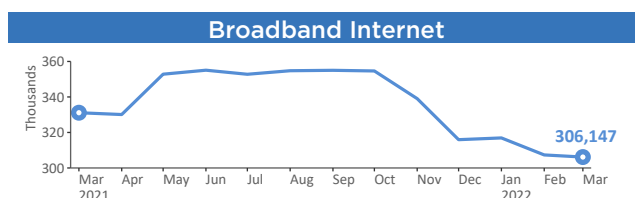
ACCESSES PER TYPE OF GRANTS, FIXED TELEPHONY		
Type	Accesses	Percentual
As a private service	13,984,381	50.1%
As a public service concession	13,919,038	49.9%
TOTAL	28,512,830	100%

PAY TV, PER GROUP AND TECHNOLOGY					
Group	Accesses	Coaxial Cable	Satellite	Optic Fiber	Market Share
CLARO	6,711,313	5,162,474	1,460,769	88,070	42.9%
SKY	4,370,953	0	4,370,953	0	28.0%
OI	3,093,624	0	3,012,972	80,652	19.8%
VIVO	1,067,282	0	168,364	898,918	6.8%
Other	392,886	99,439	34,271	254,400	2.5%
TOTAL	15,636,058	5,261,913	9,047,329	1,322,040	100.0%
PERCENTAGE	100%	33.7%	57.9%	8.5%	

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.