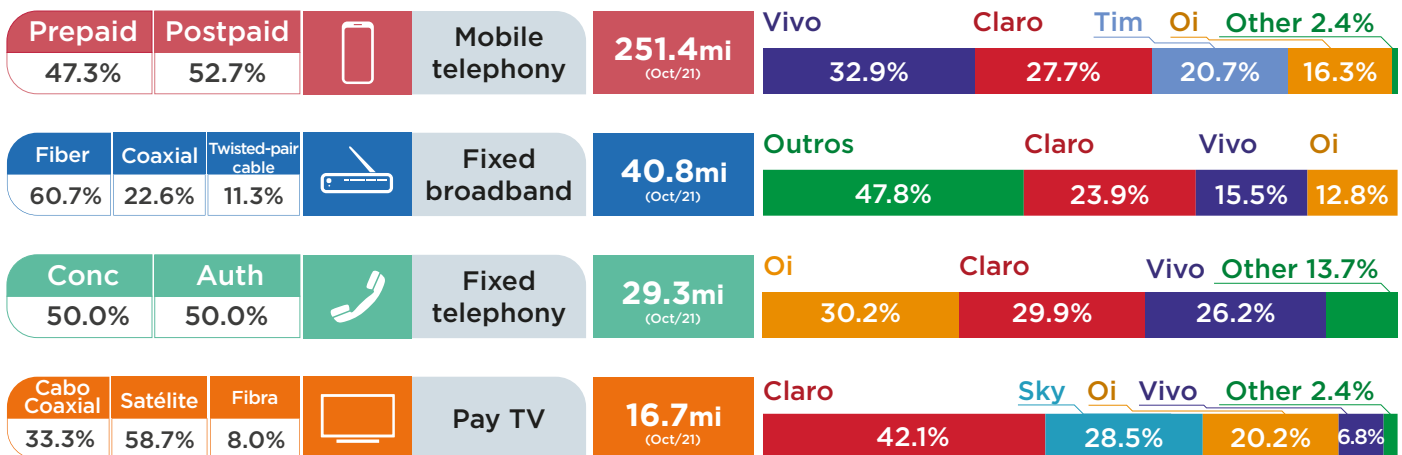


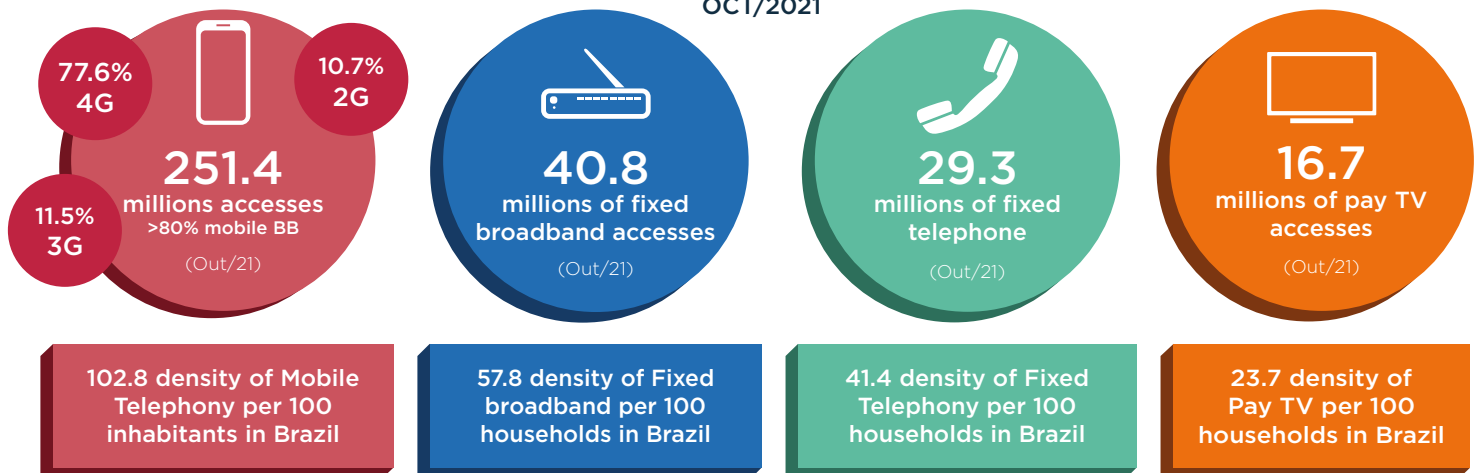


OVERVIEW OF TELECOMMUNICATIONS IN BRAZIL OCT/2021



338.1 Millions

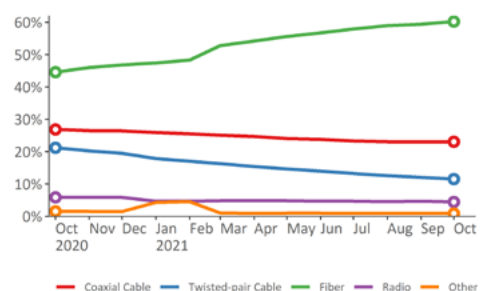
contracts of telecom services in
OCT/2021



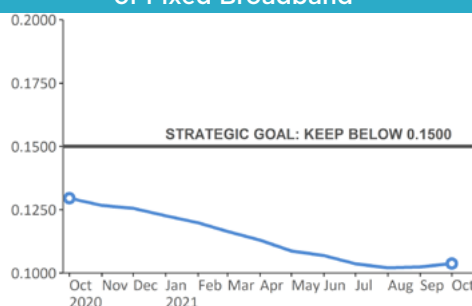
Density of Fixed Broadband



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 | MOBILE TELEPHONY, PER GROUP AND TECHNOLOGY | | | | | |
|------------------|--------------------------------------------|--------------------|--------------------|-------------------|-------------------|--------------|
| | Group | Accesses | 4G | 3G | 2G | Market Share |
| | VIVO | 82,676,496 | 61,160,315 | 8,644,702 | 12,871,479 | 32.9% |
| | CLARO | 69,637,005 | 52,334,511 | 13,981,791 | 3,018,171 | 27.7% |
| | TIM | 52,039,139 | 46,128,203 | 2,652,836 | 3,138,532 | 20.7% |
| | OI | 40,976,257 | 31,260,365 | 3,197,301 | 6,518,591 | 16.3% |
| | Other | 6,035,462 | 4,275,784 | 421,555 | 1,338,123 | 2.4% |
| | TOTAL | 251,364,359 | 195,159,178 | 28,898,185 | 26,884,896 | 100% |
| | PERCENTAGE | 100% | 77.6% | 11.5% | 10.7% | |

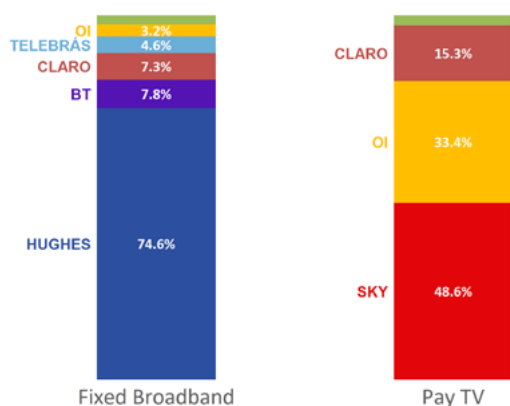
| Fixed broadband | FIXED BROADBAND, PER GROUP AND TECHNOLOGY | | | | | | | | |
|-----------------|-------------------------------------------|-------------------|-------------------|------------------|--------------------|------------------|------------|----------------|--------------|
| | Group | Accesses | Optic Fiber | Coaxial Cable | Twisted-pair cable | Radio | Indefinite | Satellite | Market Share |
| | CLARO | 9,752,612 | 595,316 | 9,053,106 | 74,003 | 5,569 | 0 | 24,618 | 23.9% |
| | VIVO | 6,333,103 | 4,454,105 | 59 | 1,878,939 | 0 | 0 | 0 | 15.5% |
| | OI | 5,242,298 | 3,557,795 | 122 | 1,661,033 | 12,422 | 0 | 10,926 | 12.8% |
| | Other | 19,494,657 | 16,171,858 | 158,693 | 1,017,449 | 1,845,048 | 0 | 301,609 | 47.8% |
| | TOTAL | 40,822,670 | 24,779,074 | 9,211,980 | 4,631,424 | 1,863,039 | 0 | 337,153 | 100% |
| | PERCENTAGE | 100% | 60.7% | 22.6% | 11.3% | 4.6% | | 0.8% | |

| Fixed telephony | ON SERVICE ACCESSES, FIXED TELEPHONY | | |
|-----------------|--------------------------------------|-------------------|--------------|
| | Group | Accesses | Market Share |
| | OI | 8,821,600 | 30.2% |
| | CLARO | 8,748,669 | 29.9% |
| | VIVO | 7,677,181 | 26.2% |
| | Other | 4,005,447 | 13.7% |
| | TOTAL | 29,252,897 | 100% |

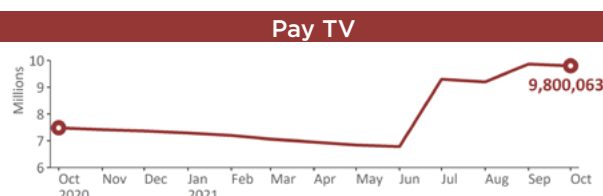
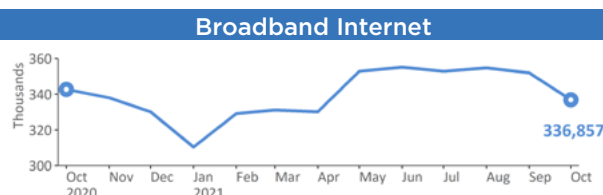
| ACCESSES PER TYPE OF GRANTS, FIXED TELEPHONY | | |
|----------------------------------------------|-------------------|-------------|
| Type | Accesses | Percentual |
| As a public service concession | 14,637,097 | 50.0% |
| As a private service | 14,615,800 | 50.0% |
| TOTAL | 29,252,897 | 100% |

| Pay TV | PAY TV, PER GROUP AND TECHNOLOGY | | | | | | |
|--------|----------------------------------|-------------------|------------------|------------------|------------|------------------|--------------|
| | Group | Accesses | Coaxial Cable | Satellite | Indefinite | Optic Fiber | Market Share |
| | CLARO | 7,041,584 | 5,449,373 | 1,503,450 | 0 | 88,761 | 42.1% |
| | SKY | 4,760,971 | 0 | 4,760,971 | 0 | 0 | 28.5% |
| | OI | 3,367,483 | 0 | 3,274,812 | 0 | 92,671 | 20.2% |
| | VIVO | 1,135,858 | 0 | 217,252 | 0 | 918,606 | 6.8% |
| | Other | 402,726 | 111,644 | 43,578 | 0 | 241,356 | 2.4% |
| | TOTAL | 16,708,622 | 5,561,017 | 9,800,063 | 0 | 1,341,394 | 100% |
| | PERCENTAGE | 100% | 33.3% | 58.7% | | 8.0% | |

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.