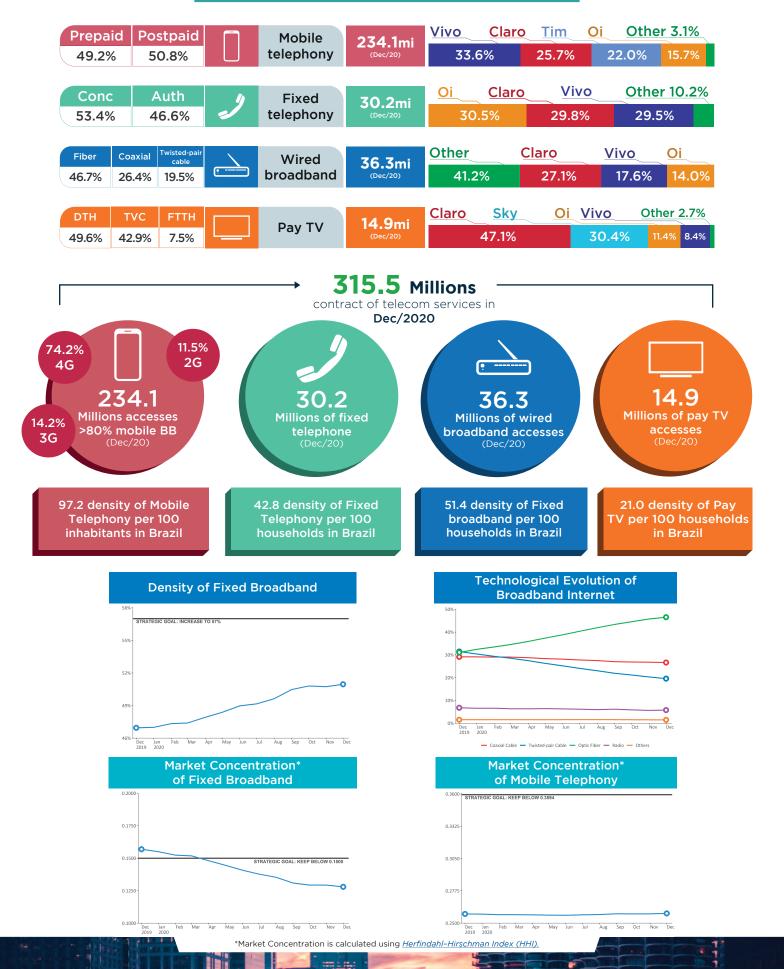


OVERVIEW OF TELECOMMUNICATION IN BRAZIL DECEMBER/2020





Mobile telephony

| MOBILE TELI | EPHONY, PER | GROUP AND T | | | |
|-------------|-------------|-------------|------------|------------|-------------|
| Group | Accesses | 4G | 3G | 2G | Market Shar |
| VIVO | 78,532,350 | 55,949,840 | 9,372,849 | 13,209,661 | 33.6% |
| CLARO | 60,201,237 | 43,356,125 | 14,773,716 | 2,071,396 | 25.7% |
| TIM | 51,432,502 | 42,042,547 | 5,065,664 | 4,324.291 | 22.0% |
| 01 | 36,651,209 | 26,757,928 | 3,207,362 | 6,685,919 | 15.7% |
| OTHER | 7,250,176 | 5,633,004 | 890,899 | 726,273 | 3.1% |
| TOTAL | 234,067,474 | 173,739,444 | 33,310,490 | 27,319,121 | 100.0% |
| PERCENTAGE | 100.0% | 74.2% | 14.2% | 11.5% | |

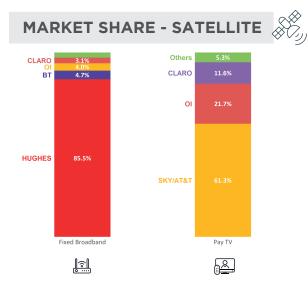
Fixed telephony

| ON SERVIC | E ACCESSES, FIXED T | ELEPHONY |
|-----------|---------------------|-----------------|
| Group | Accesses | Market Share |
| OI | 9,227,438 | 30.5% |
| CLARO | 8,994,548 | 29.8% |
| VIVO | 8,925,919 | 29.5% |
| OTHER | 3,079,437 | 10.2% |
| TOTAL | 30,227,342 | 100.0% |

| ACCESSES PER TYPE OF GRANTS, FIXED TELEPHONY | | | | | | |
|--|------------|------------|--|--|--|--|
| Туре | Accesses | Percentual | | | | |
| As a public service concession | 14,098,559 | 46.6% | | | | |
| As a private service | 16,128,783 | 53.4% | | | | |
| TOTAL | 30,227,342 | 100.0% | | | | |

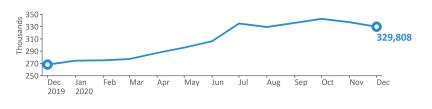
| | WIRED BRO | ADBAND, PER G | ROUP AND TEC | HNOLOGY | | | | | |
|--------------------|------------|---------------|-----------------------|------------------|-------------|-----------|---------|-----------|-----------------|
| Wired broadband | Group | Accesses | Twisted-pair cable | Coaxial Cable | Optic Fiber | Radio | LTE | Satellite | Market Share |
| | CLARO | 9,844,148 | 76,962 | 9,283,409 | 459,127 | 14,444 | 0 | 10,206 | 27.1% |
| ≥õ | VIVO | 6,393,321 | 2,901,558 | 0 | 3,491,763 | 0 | 0 | 0 | 17.6% |
| ą | OI | 5,095,101 | 2,639,963 | 0 | 2,426,038 | 15,947 | 0 | 13,153 | 14.0% |
| | OTHER | 14,977,013 | 1,459,106 | 314,657 | 10,594,025 | 2,101,956 | 200,454 | 306,815 | 41.2% |
| | TOTAL | 36,309,583 | 7,077,589 | 9,598,066 | 16,970,953 | 2,132,347 | 200,454 | 330,174 | 100.0% |
| | PERCENTAGE | 100.0% | 19.5% | 26.4% | 46.7% | 5.9% | 0.6% | 0.9% | |

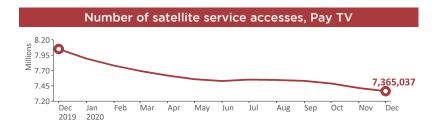
| PAY T | V, PER GROUP A | ND TECHNOLC | GY | | | | | |
|------------|----------------|-------------|-----------|------|------|-----------|-----------------|--|
| Group | Accesses | DTH | FTTH | MMDS | TVA | тус | Market Share | |
| CLARO | 6,990,627 | 853,594 | 0 | 0 | 0 | 6,137,033 | 47.1% | |
| SKY/AT&T | 4,516,803 | 4,516,803 | 0 | 0 | 0 | 0 | 30.4% | |
| OI | 1,692,912 | 1,600,783 | 92,129 | 0 | 0 | 0 | 11.49 | |
| VIVO | 1,247,667 | 358,075 | 889,592 | 0 | 0 | 0 | 8.4% | |
| OTHER | 408,444 | 35,782 | 132,553 | 241 | 64 | 239,811 | 2.79 | |
| TOTAL | 14,856,453 | 7,365,037 | 1,114,274 | 241 | 64 | 6,376,844 | 100.0% | |
| PERCENTAGE | 100.0% | 49.6% | 7.5% | 0.0% | 0.0% | 42.9% | | |



and the

Number of satellite service accesses, Broadband Internet





ANATEL