

## GSM subscriber statistics

GSM grew out of a vision that users should be able to make and receive calls on their mobiles, wherever they travelled. Among telecommunications technologies, GSM is unique in having a specific user benefit - international roaming - so central to its design, deployment and operation.

International roaming enforces compliance with open standards and promotes inter-operability between network and handset equipment from different suppliers. Together, open standards and inter-operability stimulate and generate economies of scale that reduce costs - to manufacturers, to operators, and most importantly, to end-users. 3GSM, based on WCDMA radio technology, was conceived and developed to carry these benefits into third generation mobile.

The billionth GSM user was connected in the first quarter of 2004 and two billion connections on the GSM family were made in June 2006.

Millions	2003				2004				2005				2006	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
World	1,187.9	1,239.4	1,302.2	1,382.9	1,453.8	1,525.4	1,612.3	1,714.1	1,820.6	1,920.6	2,027.2	2,177.1	2,245.8	2,405.8
GSM	851.5	894.7	945.4	1,012.0	1,070.9	1,131.6	1,207.2	1,296.0	1,378.5	1,467.6	1,561.7	1,709.2	1,796.8	1,941.6
3GSM	0.4	1.0	1.6	2.8	4.4	7.5	11.4	16.3	24.0	29.9	37.9	50.0	61.2	74.7
CDMA	102.3	99.8	99.3	98.9	96.6	93.6	90.6	87.4	72.5	68.5	63.8	62.4	42.5	37.0
CDMA 1X	45.7	56.5	67.5	80.1	93.5	106.6	118.9	131.9	167.6	182.9	197.2	213.1	213.3	225.0
CDMA 1X EV-DO	0.7	1.7	3.0	4.6	7.1	8.7	10.5	12.3	14.7	17.1	19.7	21.2	29.6	34.5
TDMA	100.7	99.8	99.8	100.1	98.1	95.6	92.8	90.0	82.8	79.0	71.9	48.5	31.9	26.1
PDC	57.5	58.2	58.5	58.1	57.7	56.7	55.7	54.2	51.6	49.5	46.5	46.3	42.6	38.5
iDEN	11.5	12.1	12.8	13.4	13.8	14.4	15.0	16.8	19.5	18.8	19.8	21.1	22.6	23.8
Analog	17.6	15.7	14.3	12.9	11.9	10.7	10.2	9.2	8.3	7.6	6.8	5.4	5.2	4.5

Source: Wireless Intelligence

## GSM regional statistics

Millions	2003				2004				2005				2006	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
World	851.5	894.7	945.4	1,012.0	1,070.9	1,131.6	1,207.2	1,296.0	1,378.2	1,467.1	1,560.7	1,709.2	1,796.8	1,941.6
Africa	39.6	43.1	47.0	52.3	57.5	62.2	68.9	78.4	88.3	97.5	111.9	126.3	139.5	154.9
Americas	11.9	15.4	20.0	29.0	35.6	43.7	53.1	66.7	87.7	104.0	117.4	137.6	140.9	161.1
Asia Pacific	334.1	352.2	370.3	394.6	419.9	443.4	470.8	494.4	524.5	556.3	584.0	631.2	671.8	730.2
Europe: Eastern	79.3	86.5	96.3	108.5	118.7	132.5	150.3	174.6	194.0	213.9	236.2	265.2	281.1	304.6
Europe: Western	314.6	319.9	328.2	337.0	342.1	346.1	352.6	361.7	366.9	370.3	375.7	380.6	381.7	393.2
Middle East	43.9	46.6	49.6	52.8	55.8	59.4	63.5	67.6	73.0	79.3	85.3	93.2	102.0	112.1
USA/Canada	28.1	30.9	34.1	37.8	41.2	44.3	48.0	52.6	43.7	45.7	50.2	75.2	79.8	85.4

Source: Wireless Intelligence

	2005 growth (M)	% growth in 2005	Share of 2005 growth	Last 4 qtrs growth (M)	% growth in last 4 qtrs	Share of last 4 qtrs growth	Share of base
World	413	32%	-	474	32%	-	-
Africa	48	61%	12%	57	59%	12%	8%
Americas	71	106%	17%	57	55%	12%	8%
Asia Pacific	137	28%	33%	174	31%	37%	37%
Europe: Eastern	91	52%	22%	91	42%	19%	16%
Europe: Western	19	5%	5%	23	6%	5%	21%
Middle East	26	38%	6%	33	41%	7%	6%
USA/Canada	23	43%	5%	40	87%	8%	4%

Source: Wireless Intelligence

## 3GSM (W-CDMA) regional statistics

Thousands	2004				2005				2006	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
World	4,442	7,655	11,052	17,229	24,423	30,388	38,527	50,032	61,057	74,439
Africa	-	-	-	0	11	34	70	109	228	327
Americas	-	-	-	-	-	-	-	-	-	-
Asia Pacific	3,383	5,115	7,222	9,471	13,147	15,970	19,841	24,394	29,834	35,551
Europe: Eastern	-	-	-	7	19	45	100	192	630	988
Europe: Western	1,055	2,531	3,809	7,704	11,164	14,207	18,314	25,040	29,750	36,627
Middle East	4	9	19	43	76	119	175	244	440	546
USA/Canada	-	-	1	3	7	14	27	54	175	401

Source: Wireless Intelligence

	2005 growth (Thousands)	% growth in 2005	Share of 2005 growth	Last 4 qtrs growth (Th)	% growth in last 4 qtrs	Share of last 4 qtrs growth	Share of base
World	32,803	190%	-	44,052	145%	-	-
Africa	109	-	-	293	864%	1%	-
Americas	-	-	-	-	-	-	-
Asia Pacific	14,923	158%	45%	19,581	55%	44%	49%
Europe: Eastern	184	2501%	1%	943	95%	2%	1%
Europe: Western	17,335	225%	53%	22,420	61%	51%	49%
Middle East	201	469%	1%	427	78%	1%	1%
USA/Canada	51	1500%	-	387	97%	1%	-

Source: Wireless Intelligence