



Flash Report on Mobile Internet

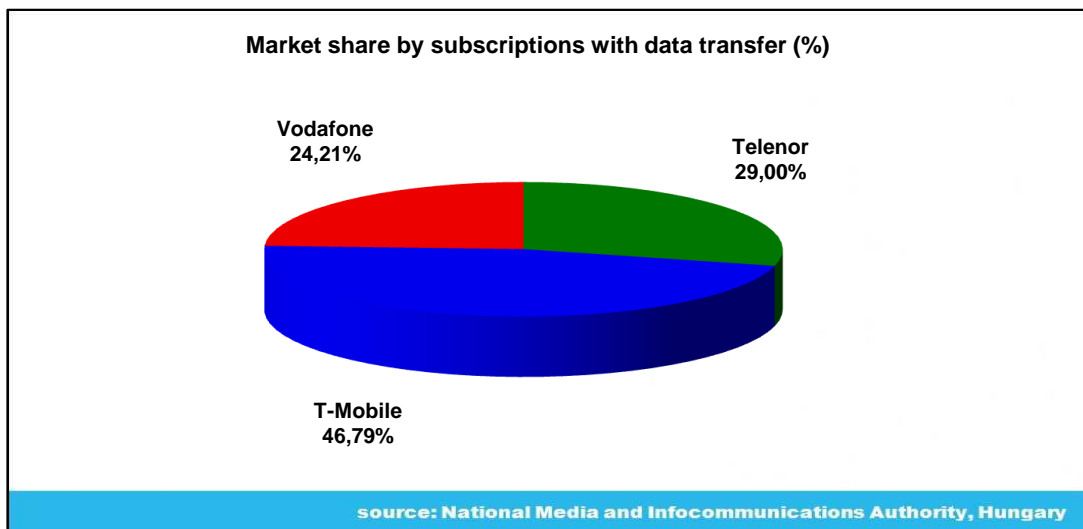
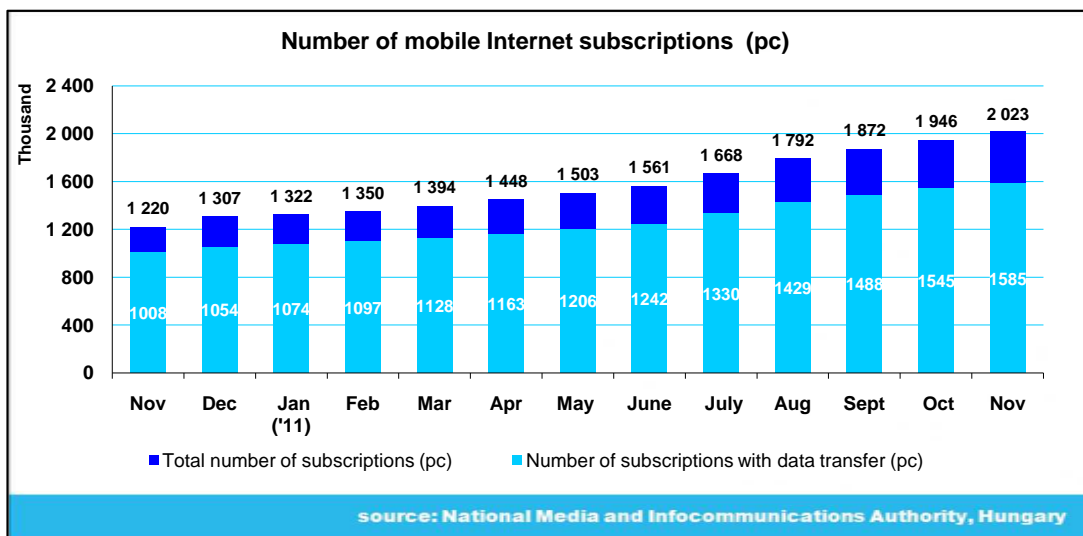
November 2011



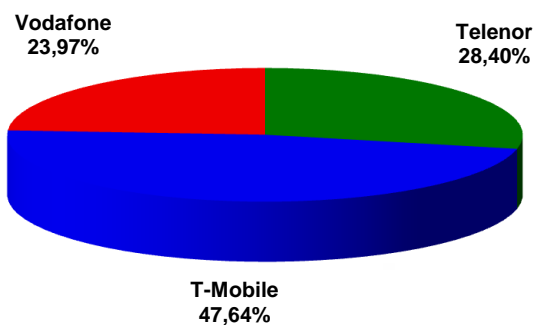
Flash report on mobile internet, November 2011

Month-end summary subscription figures

	Number of mobile Internet subscriptions		Total amount of data transferred (GByte)	Average amount of data transferred (GByte)
	Number of subscriptions with data transfer (pc)	Total number of subscriptions (pc)		
Telenor	459 537	574 418	641 248	1,40
T-Mobile	741 384	963 650	714 205	0,96
Vodafone	383 698	484 803	359 662	0,94
Total	1 584 619	2 022 871	1 715 115	1,08

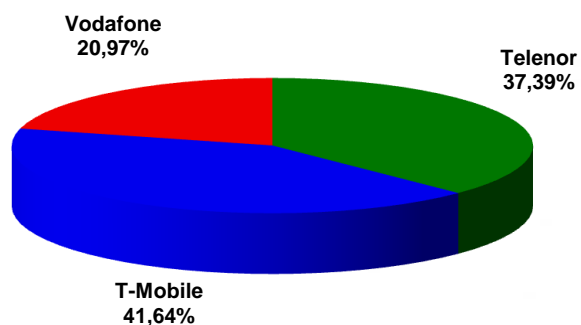


Market share by total number of subscriptions (%)



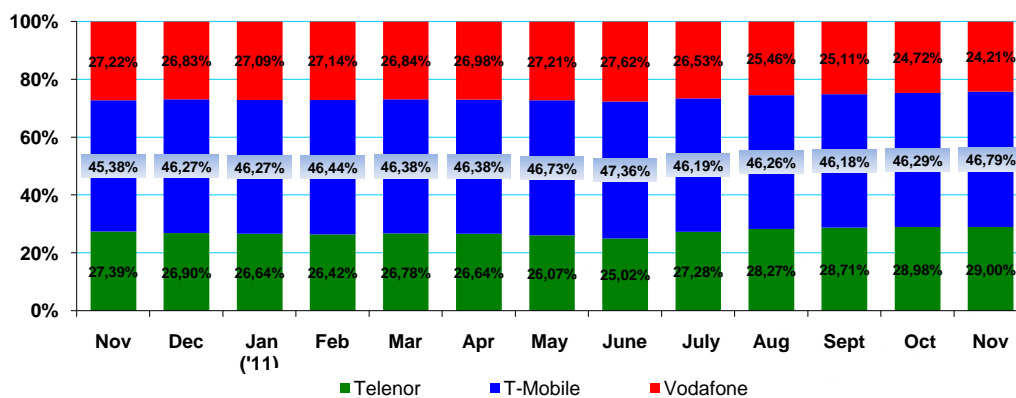
source: National Media and Infocommunications Authority, Hungary

Market share by amount of data transferred (%)

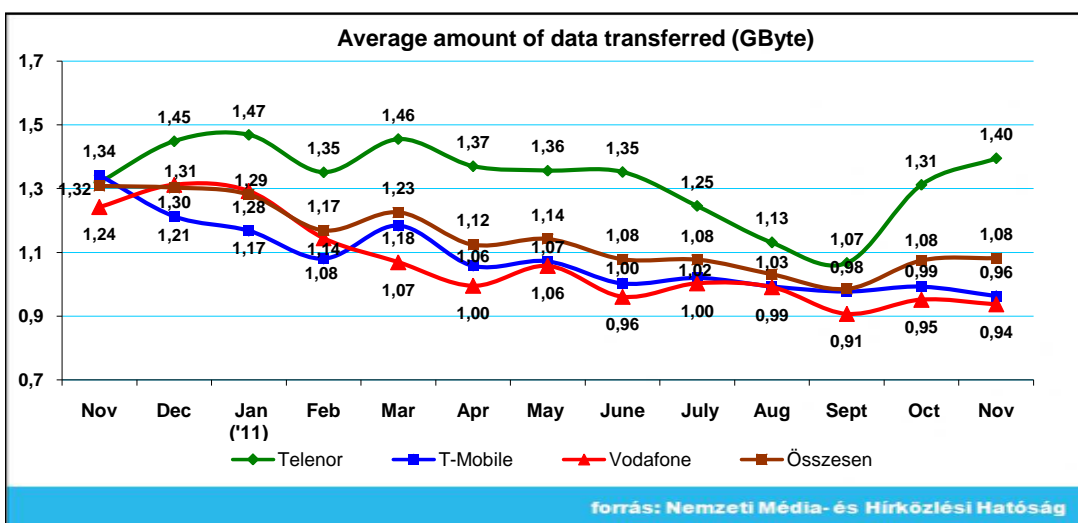
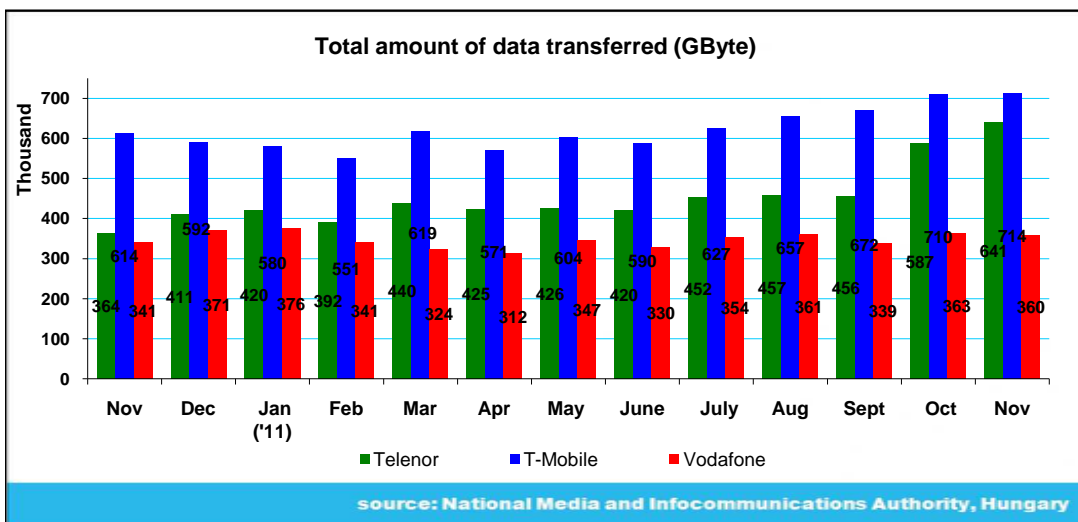
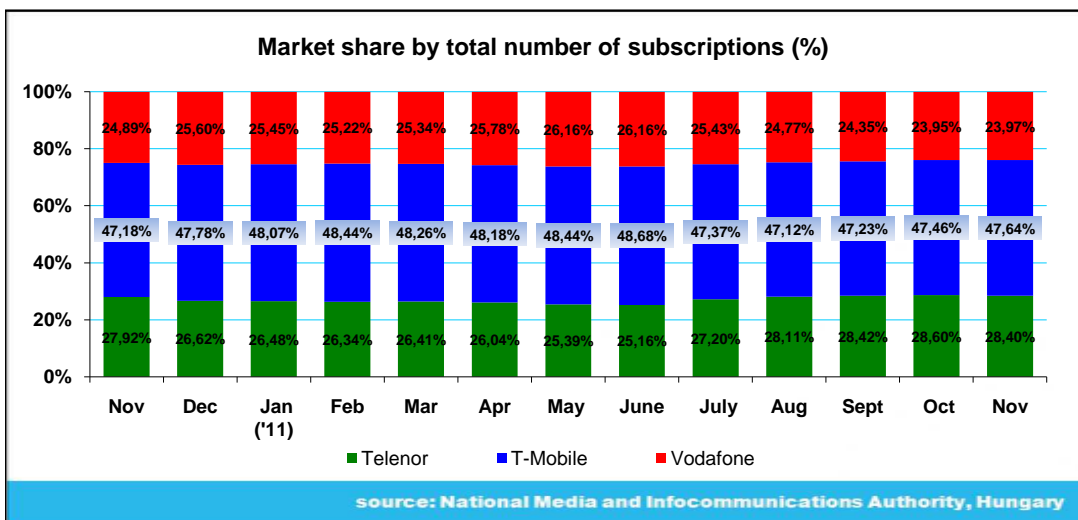


source: National Media and Infocommunications Authority, Hungary

Market share by subscriptions with data transfer (%)



source: National Media and Infocommunications Authority, Hungary



Month-end bandwidth coverage

	Bandwidth category	GLS / GFS (kbit/s)	Indoor, residential coverage (%)	Outdoor, geographical coverage (%)
Telenor	GPRS (2G)	30 / 8	98,0	95,6
	EDGE	100 / 50	90,4	90,4
	3G	120 / 40	71,0	51,7
T-Mobile	GPRS (2G)	30 / 8	99,1	99,6
	3G	150 / 150	66,0	35,8
	3G/HSPA	2000 / 800	49,1	23,5
Vodafone	GPRS (2G)	22/7	97,4	98,4
	3G	150/40	68,54	54,0
	3G/HSPA	2100 / 800	46,7	24,0

Maps to the above table are available at

<http://www.nmhh.hu/?id=dokumentumtar&mid=2706&lang=hu>

Notes:

(The above values have been generated using the definitions accepted by the operators in the document "**Mobile Internet Forum MATRIX Draft V14**".)

Total number of subscriptions: Number of SIMs with active Internet service with at least 10Mbytes of data available to be transferred and a monthly charge greater than zero (prepaid or postpaid) on the last day of the given calendar month. (Any SIM with more than one active tariff plan shall nevertheless be considered as a single SIM.)

Number of subscriptions with data transfer: The number of SIMs within the total number of subscriptions with at least 1 byte data transfer on the Internet over the last three months.

Total amount of data transferred: The sum of the data downloads and uploads by the subscribers as defined above in the given calendar month.

Average amount of data transferred: Total amount of data transferred divided by the number of subscribers with data transfer.

Outdoor, geographical coverage: the area of the parts where the guaranteed up and download bandwidth is achievable (and verifiable) divided by the whole area of Hungary.

Indoor, residential coverage: the area of the given settlement where the guaranteed indoor up and download bandwidth is achievable (and verifiable) divided by the area of the whole settlement and this number is multiplied by the the population of the given settlement divided by the whole population of Hungary. This implicitly stipulates that the population is spread evenly within a settlement.

GLS/GFS: Guaranteed download speed / Guaranteed upload speed. The speed guaranteed by the operator to the subscribers in 80% of the cases, based upon Government Decree No. 229/2008 (IX.12.)

CSDATA: Circuit Switched Data

GPRS: General Packet Radio Service (GSM Release 97, Class 1-4).

EDGE: Enhanced Data rates for GSM Evolution

3G: 3rd Generation Mobile Telephony (UMTS-Universal Mobile Telecommunications System Release 99).