

Telestatistik – 2. halvår 2000 (2. H 2000)
Telecom statistics - second half of 2000 (2. H 2000)

Telestyrelsen
National Telecom Agency, Denmark

Forord

Dette dokument indeholder telestatistik for anden halvdel af 2000 (perioden 1. juli 2000 – 31. december 2000).

Som følge af den drastiske udvikling inden for telesektoren har Telestyrelsen besluttet at udarbejde halvårslige tal, første gang i 1998. Telestyrelsens årlige udgivelse (Teleårbog) indeholder yderligere statistiske oplysninger om telesektoren i Danmark.

Dette er første gang, at statistikken udarbejdes for 2. halvår. Tidligere har Telestyrelsen alene udarbejdet en halvårsstatistik for 1. halvår og herefter en årlig statistik for hele året i forbindelse med den mere detaljerede Teleårbog.

Imidlertid finder Telestyrelsen, at det giver et bedre sammenligningsgrundlag at have en ensartet statistik for både 1. og 2. halvår og herudover en mere detaljeret statistik for hele året. Endvidere er de økonomiske oplysninger samlet i Teleårbogen, hvilket betyder, at den halvårslige statistik kan udgives tidligere end hidtil, idet indsamlingen af de økonomiske oplysninger først kan foretages senere.

Telestatistikken for 2. halvår 2000 indeholder oplysninger fra 12Move, ACN Danmark, AT&T Danmark A/S, Banestyrelsen Tele, CyberCity, Dansk Internet Adgang A/S, debitel Danmark, Euro909.com, Euroconnect ApS, Facilicom International A/S, Global One Communications A/S, GTS Skandinavien, InterNord A/S, Interoute Danmark A/S, Kai Dige Bach, Link Telecom ApS, Mira Internet A/S, Mobilix A/S, Net4you ApS, Netmaster A/S, Port IT A/S, Powercom A/S, Primus TeleCom A/S, RSL COM A/S, Sonofon Holding A/S, SuperTEL Danmark, TeleFona, Tele1 Europe A/S, Tele1000 A/S, Tele2 A/S, Tele Danmark A/S, Telemetro Danmark, TelePassport, Telia A/S, Telmore, Tjantik ApS, TJ Group A/S, UUNET og World Online Danmark.

Signaturforklaring

- Nul
- Tal kan efter sagens natur ikke forekomme
- Oplysninger foreligger ikke

Indholdsfortegnelse

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Preface

This document presents telecom statistics for the second half of 2000 (covering the period 1 July 2000 – 31 December 2000).

Following the dramatic developments within the telecom market, the National Telecom Agency decided to compile half-year figures for the first time in 1998. Furthermore, the Agency's annual publication (Tele Yearbook) includes statistical information on the Danish telecom sector.

This is the first time for statistical information to be compiled for the second halfyear. Previously, the National Telecom Agency has only compiled halfyearly statistics for the first halfyear and subsequently, in connection with the more detailed Tele Yearbook, an annual statistics covering the whole year.

However, the National Telecom Agency considers that more uniform statistics covering both first and second halfyear would be a better standard of comparison and, moreover, statistics covering the whole year in details. Furthermore, financial information is gathered in the Tele Yearbook, which means that the halfyearly statistics can be published at an earlier date because the retrieval of financial information can only be made at a later date.

The following telecom companies have contributed to this publication, covering the 2nd halfyear 2000: 12Move, ACN Danmark, AT&T Danmark A/S, Banestyrelsen Tele, CyberCity, Dansk Internet Adgang A/S, debitel Danmark, Euro909.com, Euroconnect ApS, Facilicom International A/S, Global One Communications A/S, GTS Skandinavien, InterNord A/S, Interoute Danmark A/S, Kai Dige Bach, Link Telecom ApS, Mira Internet A/S, Mobilix A/S, Net4you ApS, Netmaster A/S, Port IT A/S, Powercom A/S, Primus TeleCom A/S, RSL COM A/S, Sonofon Holding A/S, SuperTEL Danmark, Tele Danmark A/S, TeleFona, Tele1 Europe A/S, Tele1000 A/S, Tele2 A/S, Telemetro Danmark, TelePassport, Telia A/S, Teltmore, Tjantik ApS, TJ Group A/S, UUNET and World Online Danmark.

Explanation of symbols

- Magnitude nil
- Category not applicable
- Data not available

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Hovedtal Main figures

Ultimo året/perioden
End of year/period

	2. H 2000	1. H 2000²⁾	1999	1. H 1999	1998	1. H 1998
Abbonentlinier i Danmark – fastnet (1.000) <i>Subscriber lines in Denmark – fixed network (1,000)</i>	3.757	3.682	3.638	3.566	3.496	3.402
Abbonentlinier pr. 100 indbyggere – fastnet ¹⁾ <i>Subscriber lines per 100 inhabitants – fixed network</i>	70,2	69,0	68,3	67,0	65,8	64,2
Telekunder der benytter forvalgskode (præfix) <i>Customers using carrier selection codes</i>	2.350.518	2.057.322 ⁴⁾	1.613.317 ³⁾	1.169.311	501.667	383.087
Afgående fastnet trafik (mio. min.) <i>Outgoing fixed line traffic (mill. minutes)</i>	11.348	11.815 ⁴⁾
Mobilabbonenter i Danmark <i>Mobile subscribers in Denmark</i>	3.543.128	3.021.238	2.628.585	2.290.780	1.931.101	1.574.182
Mobilabbonenter pr. 100 indbyggere ¹⁾ <i>Mobile subscribers per 100 inhabitants</i>	66,2	56,6	49,3	43,0	36,3	29,7
Afgående mobiltrafik (mio. min.) <i>Outgoing mobile traffic (mill. minutes)</i>	1.348	1.200	2.117	1.036	1.621	759
Antal sendte SMS beskeder (1.000) <i>Total amount of SMS sent (1,000)</i>	465.387	287.271 ⁴⁾
Internetabbonementer <i>Internet subscriptions</i>	1.620.909	1.391.355	1.135.393	...	...	...
- Heraf ADSL <i>- Of this ADSL</i>	25.935	...	...	...	...	...
Internetabbonementer pr. 100 indbyggere ¹⁾ <i>Internet subscriptions per 100 inhabitants</i>	30,3	26,1	21,3	...	...	...

¹⁾ Antal indbyggere i Danmark pr. 31. december 2000: 5.349.212 (kilde: Danmarks Statistik).

Number of inhabitants in Denmark as per 31 december 2000: 5,349,212 (source: Statistics Denmark).

²⁾ Forbehold: tallene kan ikke direkte sammenlignes med tidligere år fordi den nuværende statistik dækker et større antal selskaber.

Reservations are made to the fact that figures are not directly comparable with previous years as the present statistics include a greater number of companies.

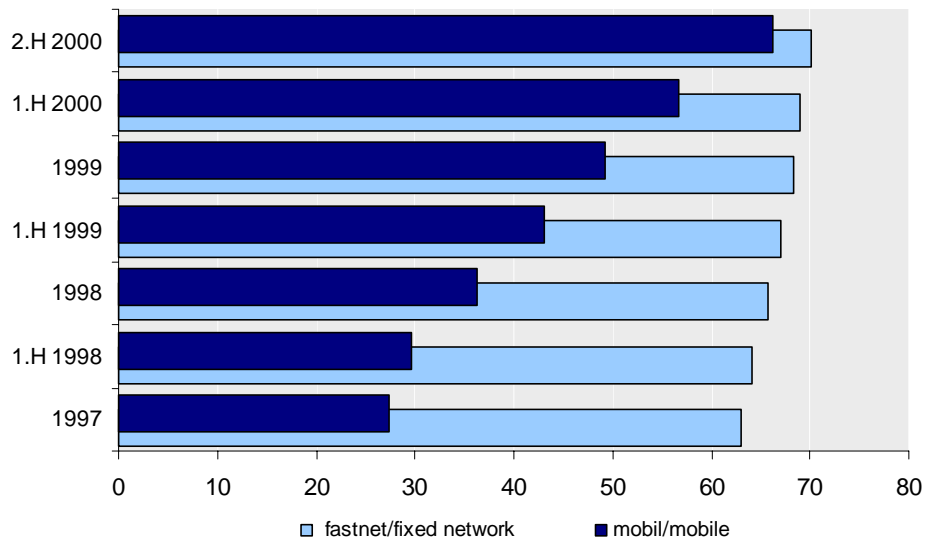
³⁾ Estimat pga. omlægning af statistikken.

Estimation due to change in the method of data collection.

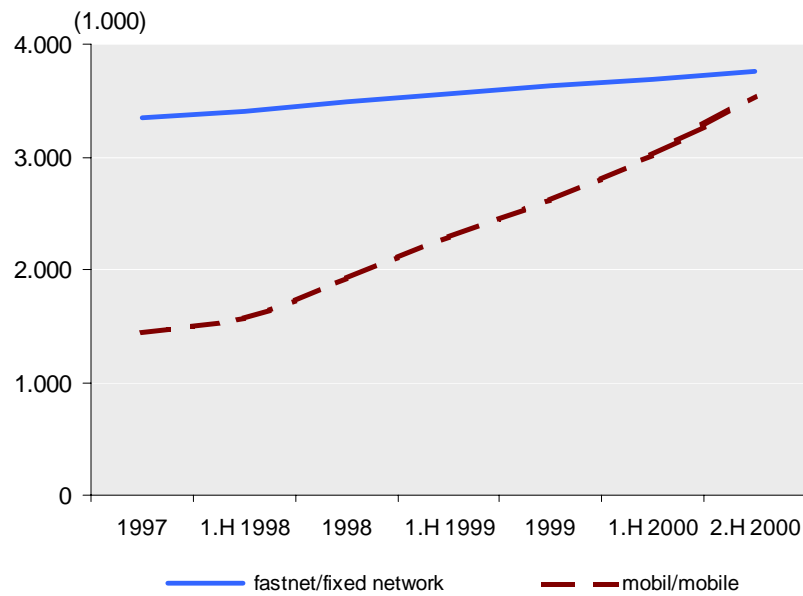
⁴⁾ Tal for 1. halvår 2000 er ændret pga. korrigerede tal fra udbydere.

Figure for the 1st half of 2000 is adjusted due to corrected figures from the operators.

Fastnet- og mobilabonnenter pr. 100 indbyggere 1997-2000
Fixed network and mobile subscribers per 100 inhabitants 1997-2000



Faste abonnentlinier og mobilabonnementer 1997-2000
Fixed subscriber lines and mobile subscriptions 1997-2000



Fastnettelefoni
Telephony on fixed network

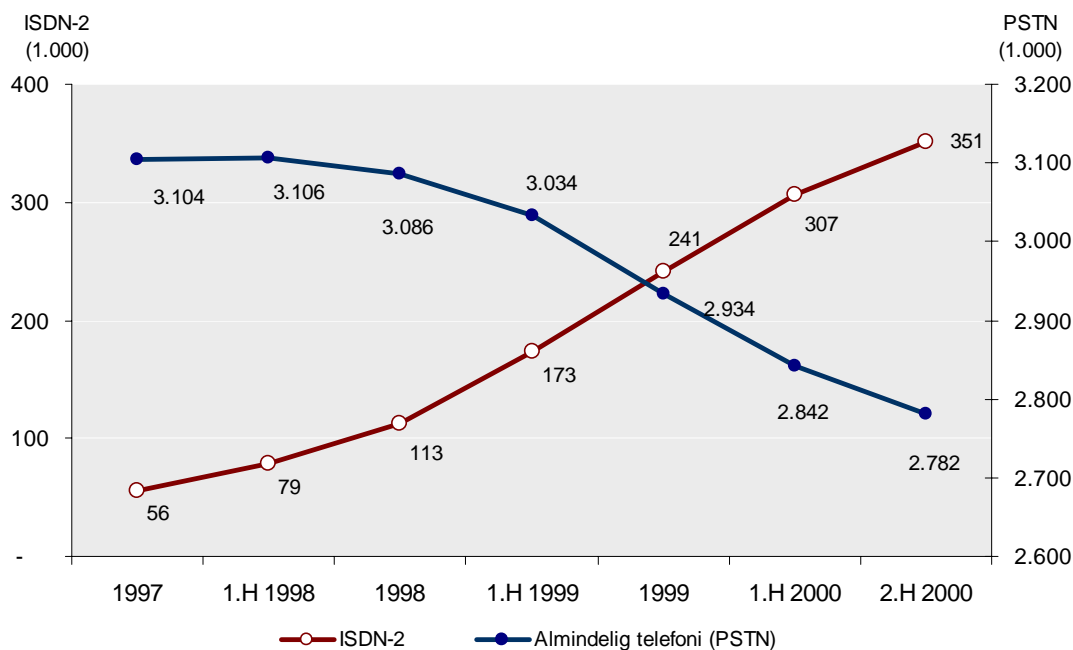
Abonentlinier i Danmark (1.000)
Subscriber lines in Denmark (1,000)

	2. H 2000	1. H 2000	1999	1. H 1999	1998	1. H 1998
Almindelige abonentlinier (telefoni) <i>Ordinary telephone connections</i>	2.782	2.842	2.934	3.034	3.086	3.106
Kundelænker <i>Switched customer connections</i>	2	2	2	2	2	2
ISDN-2	351	307	241	173	113	79
ISDN-30	7	6	6	5	4	3
I alt¹⁾ Total	3.757	3.682	3.638	3.566	3.496	3.402

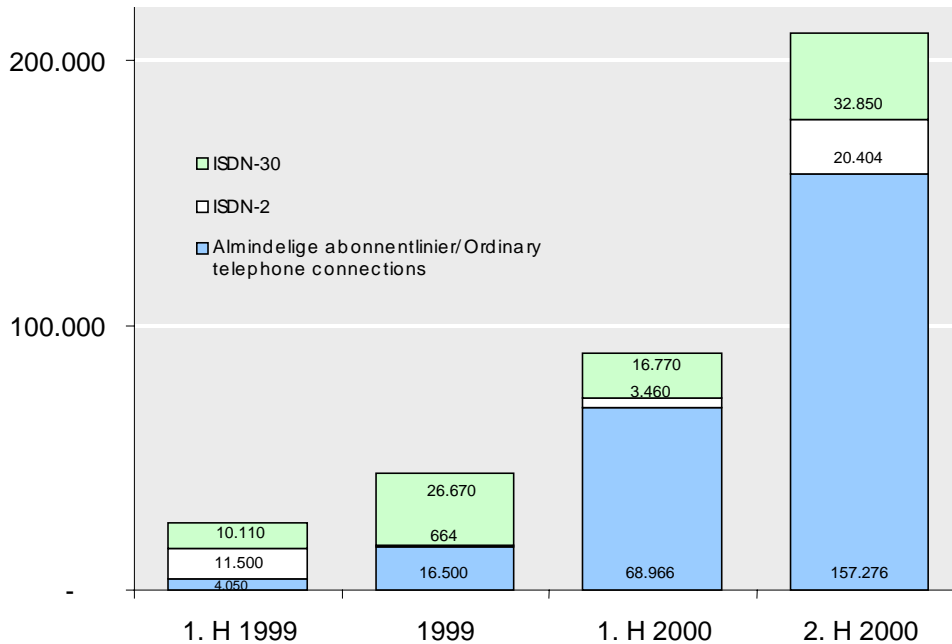
¹⁾ Det samlede antal er udregnet som antallet af almindelige telefonforbindelser plus antal kundelænker ganget med 26,2, plus antal ISDN-2 ganget med 2, plus antal ISDN-30 ganget med 30.

Total figure is calculated as the sum of the number of ordinary telephone connections plus switched customer connections weighted by 26.2 plus ISDN-2 weighted by 2 plus ISDN-30 weighted by 30.

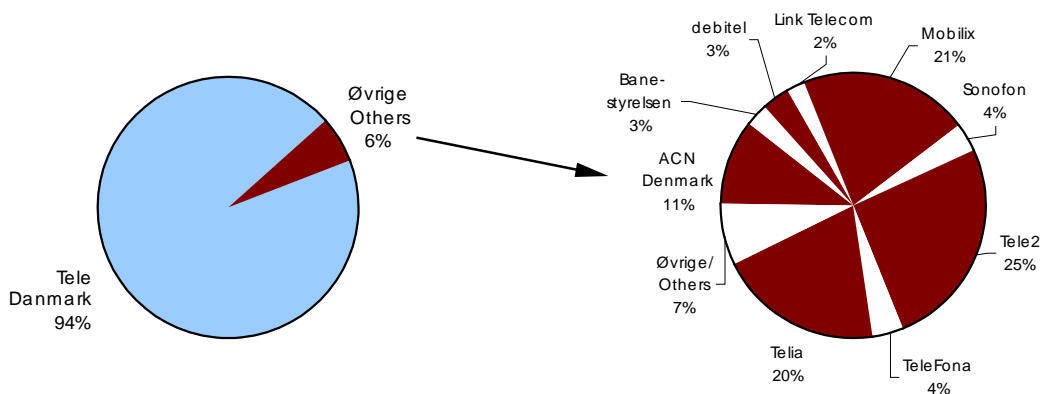
Abonentlinier – almindelig telefoni (PSTN) og ISDN-2, 1997-2000
Subscriber lines – Ordinary telephone (PSTN) and ISDN-2 connections, 1997-2000



Telekunder, der har fastnet-abonnement hos andre operatører end Tele Danmark¹
Number of fixed line subscriptions with an alternativ operator



Abonnement på faste net og fordeling af øvrige udbydere's markedsandele – 2. H 2000
Fixed line subscriptions and market shares of alternative providers – 2nd half of 2000



¹ Tallene er alene baseret på antal ISDN-2, ISDN-30 og almindelig telefoniforbindelser og således ikke på antal tilmeldinger til forvalgskode, se tabel på side 8. Antal ISDN-2 forbindelser tæller to gange og antal ISDN-30 forbindelser tæller 30 gange. Inkl. tjenesteudbydere.

Figures are based on number of ISDN-2, ISDN-30 and ordinary telephone connections, and not on the number of subscriptions to carrier pre-selection, see table on page 8. Number of ISDN-2 connections are weighted by factor 2, og ISDN-30 connections by factor 30. Service provision incl.

Fastnettelefoni
Telephony on fixed network

Forvalgskoder (præfix)
Carrier selection codes

Telekunder i Danmark der benytter forvalgskoder (præfix) til telefoni eller opkald til Internet¹⁾
Customers in Denmark using carrier selection codes for telephony or Internet connection

	2. H 2000 ²⁾	1. H 2000 ²⁾	1999 ²⁾	1. H 1999	1998	1. H 1998
Kunder Customers	2.350.518	2.057.322 ⁴⁾	1.613.317 ³⁾	1.169.311	501.667	383.087
Heraf fast operatørvalg Of which are carrier pre-selection	511.201	531.111	366.195	...	...	...

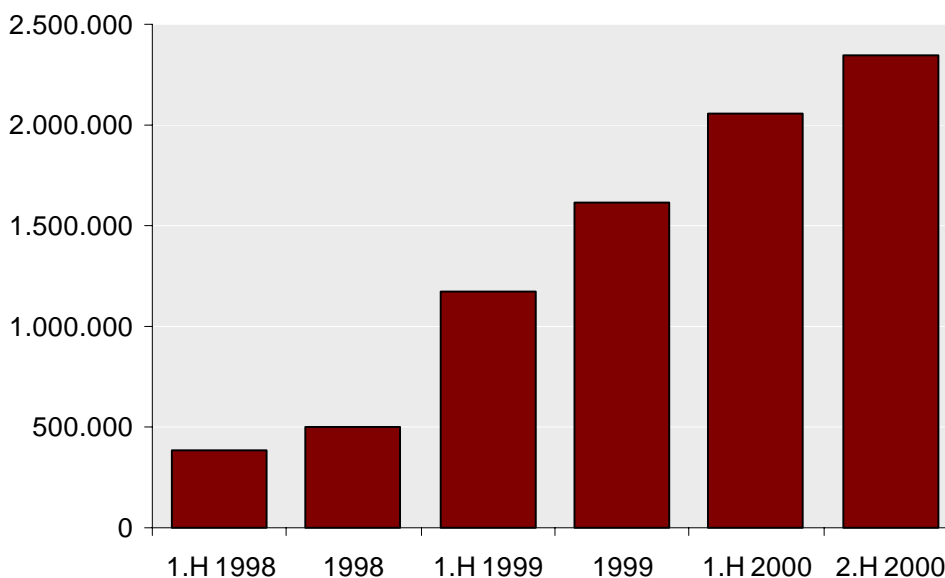
¹⁾ Forbehold: tallene kan ikke direkte sammenlignes med tidligere år fordi den nuværende statistik dækker et større antal selskaber.
Reservations are made to the fact that figures are not directly comparable with previous years as the present statistics include a greater number of companies.

²⁾ Baseret på antal tilmeldte abonnentnumre (A-numre).
Based on underlying subscriber numbers/accounts.

³⁾ Estimat pga. omlægning af statistikken.
Estimation due to change in the method of data collection.

⁴⁾ Tal for 1. halvår 2000 er ændret pga. korrigerede tal fra udbydere.
Figure for 1st half of 2000 is adjusted due to corrected figures from the operators.

Telekunder der benytter operatørforvalg 1998-2000
Customers using carrier selection codes 1998-2000



Fastnettelefoni
Telephony on fixed network

Markedsandele¹⁾
Market shares

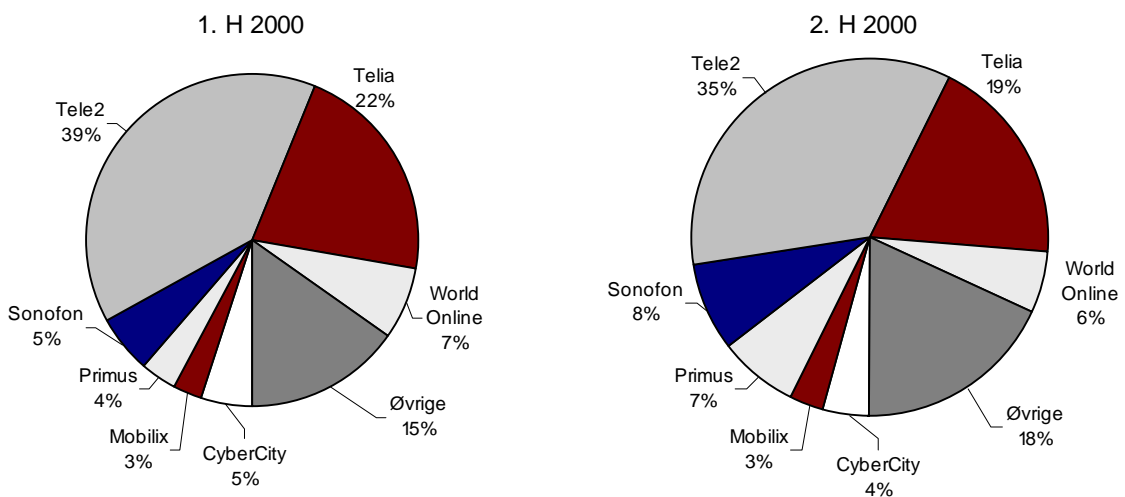
Telekunder der benytter forvalgskoder (præfix) til telefoni eller opkald til Internet, 2000
Customers using carrier selection codes for telephony or Internet connection, 2000

	CyberCity	Mobilix	Primus Telecom	Sonofon	Telia	Tele 2	World Online Danmark	Øvrige Others	I alt In total
1. H 2000	101.228 ²⁾ (5%)	61.261 ²⁾ (3%)	74.621 (4%)	112.728 (5%)	446.421 (22%)	806.430 ²⁾ (39%)	142.814 (7%)	311.819 ²⁾ (15%)	2.057.322 ²⁾ (100%)
2. H 2000	98.872 (4%)	73.698 (3%)	168.000 (7%)	186.481 (8%)	445.535 (19%)	824.385 (35%)	131.892 (6%)	421.655 (18%)	2.350.518 (100%)

¹⁾Tallene er baseret på tilmeldte abonnentnumre (A-numre).
Figures are based on underlying A-numbers.

²⁾Tal for 1. halvår 2000 er ændret pga. korrigerede tal fra udbydere.
Figure for 1st half of 2000 is adjusted due to corrected figures from the operators.

Forvalgskoder (præfix) til telefoni eller opkald til Internet, 2. halvår 2000 – markedsandele
Carrier selection codes for telephony or Internet connection, 2nd half 2000 – market shares



Fastnettelefoni
Telephony on fixed network

Udlandstelefoni
International Traffic

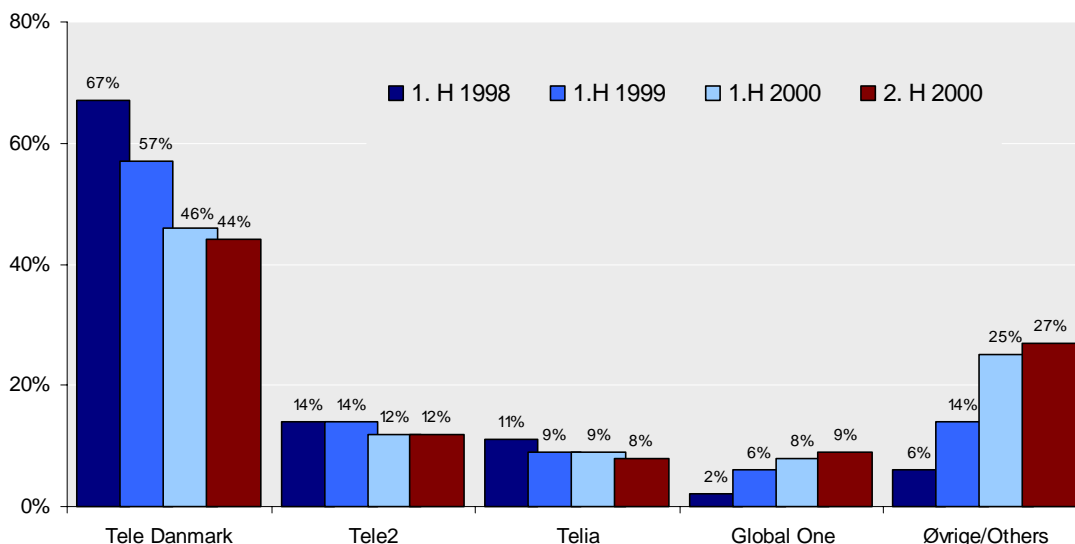
Udlandstrafik fra Danmark via fastnettet fordelt på selskaber¹⁾
International traffic from Denmark via the fixed network distributed on companies

	Afgående trafik (1.000 min.) Outgoing traffic (1,000 minutes)			Markedsandel Market share		
	2. H 2000	1. H 2000	1. H 1999	2. H 2000	1. H 2000	1. H 1999
Global One	33.077	30.975	19.099	9%	8%	6%
Tele Danmark	159.000	167.000	179.000	44%	46%	57%
Tele 2	44.741	44.000	43.546	12%	12%	14%
Telia	28.031	31.517 ²⁾	28.126	8%	9%	9%
Øvrige operatører Other operators	95.017	91.177	60.647	27%	25%	14%
I alt <i>Total</i>	359.866	364.669²⁾	311.319	100%	100%	100%

¹⁾ Statistikken omfatter udelukkende opkald foretaget fra slutbrugere via fastnettet. Statistikken inkluderer således ikke samtrafik fra mobilnet, der transiteres til udlandet via Tele Danmarks net, ligesom der i statistikken er taget højde for, at samtrafik fra andre fastnet, der transiteres til udlandet via Tele Danmarks net, ikke registreres to gange.
The statistics include only calls from subscribers on the fixed network. Thus, international transit traffic from mobile networks transmitted via Tele Danmark's network is not included, and the statistics take into account that transit traffic from other operators on the fixed network is not registered more than once.

²⁾ Tal for 1. halvår 2000 er ændret pga. korrigerede tal fra udbydere.
Figure for the 1st half of 2000 is adjusted due to corrected figures from the operators.

Udlandstelefoni – udviklingen i markedsandele 1998-2000
International traffic – development in market shares 1998-2000



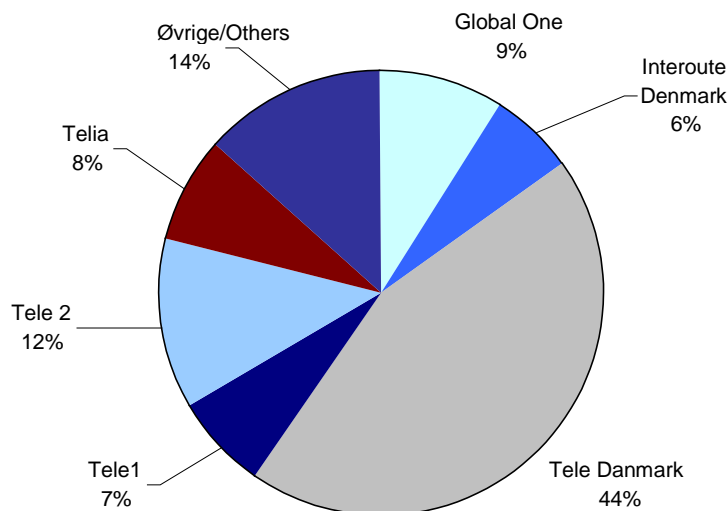
Fastnettelefoni
Telephony on fixed network

Udlandstelefoni
International Traffic

Afgående trafik (1.000 min.) og markedsandel pr. 2. halvår 2000
Outgoing traffic (1,000 minutes) and market shares as per 2nd half 2000

Global One	Interoute Denmark	Tele Danmark	Tele1	Tele 2	Telia	Øvrige Others	I alt In total
33.077	21.663	159.000	25.010	44.741	28.031	48.344	359.866
9%	6%	44%	7%	12%	8%	14%	100%

Udlandstelefoni – markedsandele pr. 2. halvår 2000
International traffic – market shares as per 2nd half 2000



Fastnettelefoni
Telephony on fixed network

Indlandstelefoni
Domestic Traffic

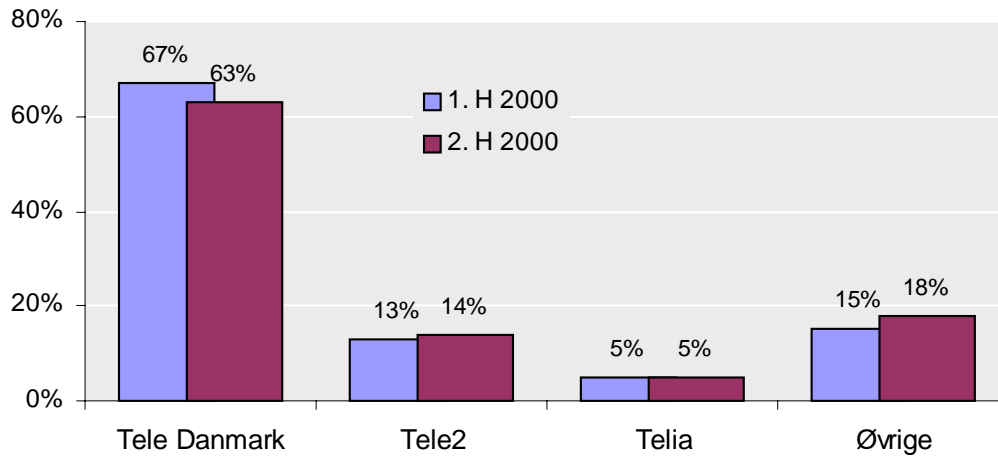
Indlandstrafik i Danmark via fastnettet fordelt på selskaber¹⁾
Domestic traffic in Denmark via the fixed network distributed on companies

	Afgående trafik (1.000 min.) <i>Outgoing traffic (1,000 minutes)</i>		Markedsandel <i>Market share</i>	
	2. H 2000	1.H 2000	2. H 2000	1.H 2000
CyberCity	623.831	597.149	6%	5%
Tele Danmark	6.934.000	7.679.000	63%	67%
Tele 1	207.914	70.200	2%	1%
Tele 2	1.517.124	1.447.919 ²⁾	14%	13%
Telia	536.377	572.560 ²⁾	5%	5%
World Online	587.898	625.567	5%	5%
Øvrige operatører <i>Other operators</i>	580.776	457.623	5%	4%
I alt Total	10.987.922	11.450.019²⁾	100%	100%

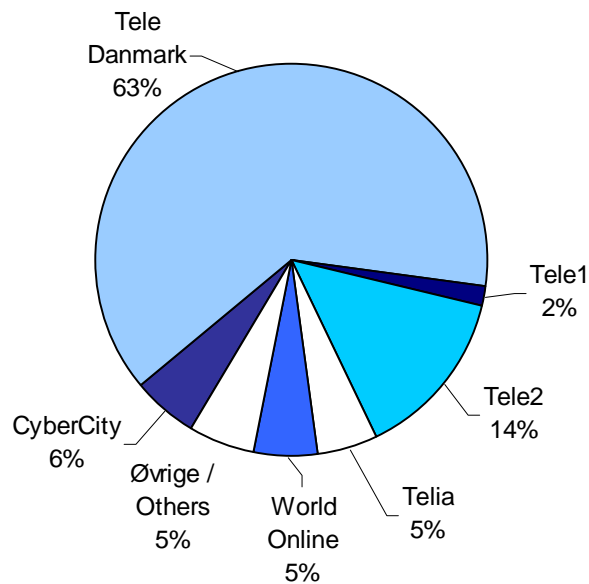
¹⁾ Statistikken omfatter udelukkende opkald foretaget fra slutbrugere via fastnettet. Statistikken inkluderer således ikke samtrafik fra mobilnet, der transiteres til udlandet via Tele Danmarks net, ligesom der i statistikken er taget højde for, at samtrafik fra andre fastnet, der transiteres til udlandet via Tele Danmarks net, ikke registreres to gange.
The statistics include only calls from subscribers on the fixed network. Thus, international transit traffic from mobile networks via Tele Danmark's network is not included, and the statistics take into account that transit traffic from other operators on the fixed network is not registered more than once.

²⁾ Tal for 1. halvår 2000 er ændret pga. korrigerede tal fra udbydere.
Figure for the 1st half of 2000 is adjusted due to corrected figures from the operators.

Indlandstrafik – markedsandele 1. og 2. halvår 2000
Domestic traffic –market shares 1st and 2nd half 2000



Indlandstrafik – markedsandele 2. halvår 2000
Domestic traffic –market shares 2nd half 2000

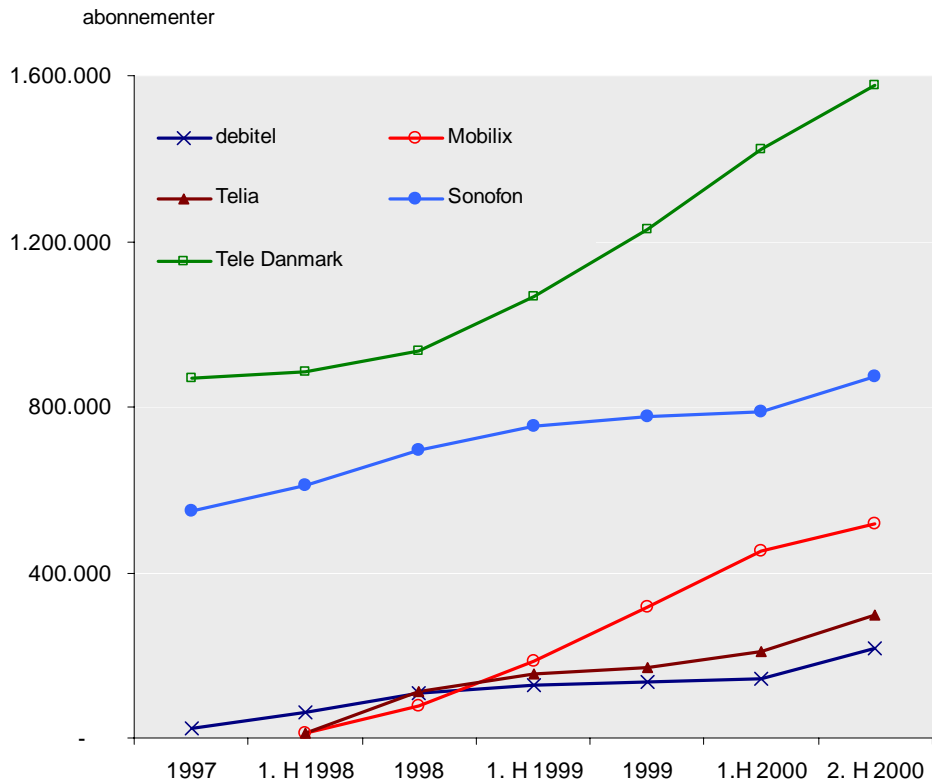


Mobiltelefoni <i>Mobile telephony</i>	Antal mobilabonnementer¹⁾ <i>Number of mobile subscriptions</i>					
<i>Ultimo året/perioden</i>						
End of year/period						
	<u>2. H 2000</u>	<u>1. H 2000</u>	<u>1999</u>	<u>1. H 1999</u>	<u>1998</u>	<u>1. H 1998</u>
NMT						
Tele Danmark	55.353	89.287	107.815	130.003	163.900	204.770
GSM 900/1800						
debitel	214.578	143.687	133.581	125.807	108.281	60.074
Mobilix	516.524	450.466	318.818	186.512	77.613	10.396
Sonofon	875.237	790.291	774.903	752.752	696.145	609.322
Tele Danmark	1.522.499	1.331.062	1.122.857	938.515	773.181	679.720
Telia	297.216	207.765	170.111	156.191	111.981	9.900
Øvrige <i>Others</i>	61.721	8680	500	1.000	•••	•••
<u>GSM i alt</u> <i>GSM total</i>	<u>3.487.775</u>	<u>2.931.951</u>	<u>2.520.770</u>	<u>2.160.777</u>	<u>1.767.201</u>	<u>1.369.412</u>
Heraf aktiverede taletidskort <i>Among these activated pre-paid cards in total</i>	1.415.144	1.219.097	979.811	641.794	•••	•••
I alt abonnementer <i>Subscriptions in total</i>	3.543.128	3.021.238	2.628.585	2.290.780	1.931.101	1.574.182

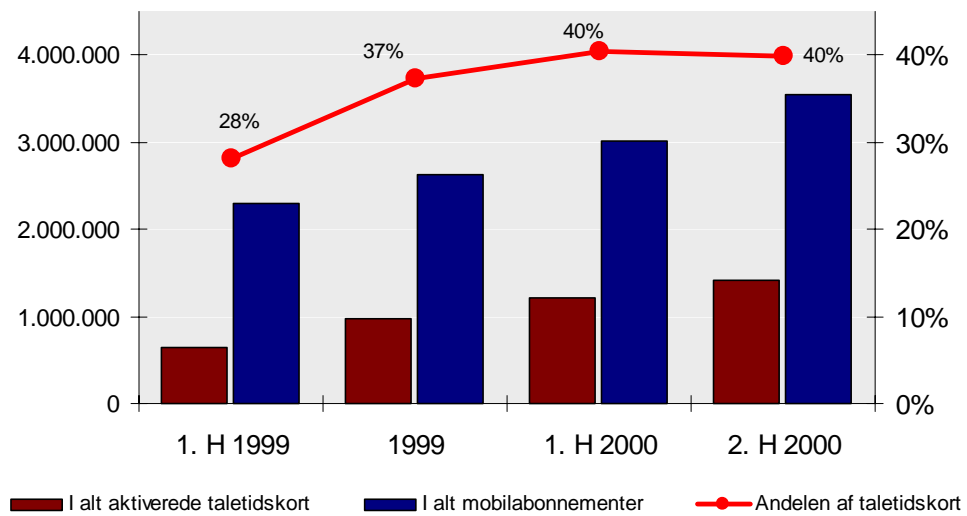
¹⁾ Inkl. aktiverede taletidskort. Ved aktiverede taletidskort forstås taletidskort som er registreret som aktiverede hos mobiloperatøren, og som det er muligt at foretage opkald til. Det bemærkes, at "levetiden" af kortene kan variere betydeligt mellem operatører.

Incl. activated pre-paid cards. Activated pre-paid cards are registered as activated by the mobile operator and to which it is possible to carry through a call. Please note, that the "lifetime" of pre-paid cards can vary significantly among operators.

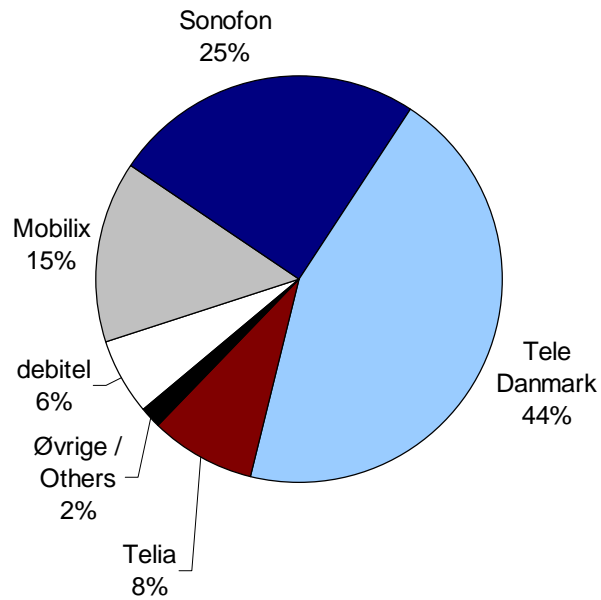
Mobilabonnemeter 1997-2000 Mobile subscriptions 1997-2000



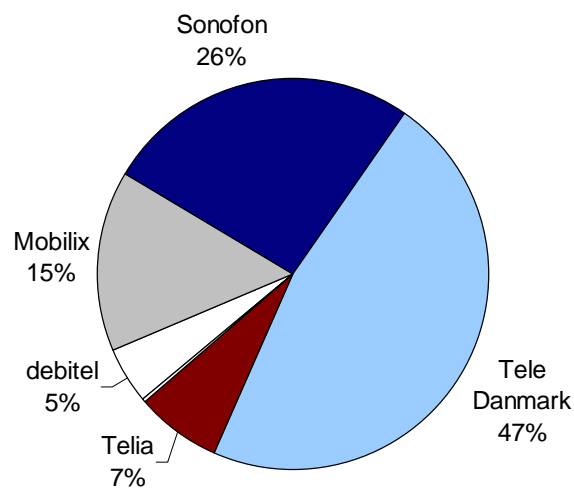
Mobilabonnemeter 1999-2000 Mobile subscriptions 1999-2000



Mobilabonnementer, 2. halvår 2000 – markedsandele
Mobile subscriptions, 2nd half 2000– market shares



Mobilabonnementer, 1. halvår 2000 – markedsandele
Mobile subscriptions, 1st half 2000– market shares



Mobiltelefoni
Mobile telephony

Afgående mobiltrafik¹⁾
Outgoing mobile traffic

(1.000 min.)
(1,000 minutes)

	2. H 2000	1. H 2000	1999	1. H 1999	1998	1. H 1998
NMT						
Tele Danmark	18.540	23.300	71.550	43.850	139.624	78.687
GSM 900/1800						
debitel	70.851	57.275	111.798	53.198	57.865	16.890
Mobilix	152.939	138.999	121.000	55.273	27.502	3.584
Sonofon	449.033	412.250	753.220	418.309 ²⁾	660.038 ²⁾	301.100 ²⁾
Tele Danmark	571.130	511.900	1.017.800 ²⁾	470.880 ²⁾	774.594 ²⁾	355.903 ²⁾
Telia	71.099	54.801	97.342	47.869	19.707	2.600
Øvrige Others	14.885	1.521	•••	300	•	•
<u>GSM trafik i alt</u> <i>GSM traffic in total</i>	1.329.937	1.176.746	2.045.596	992.331 ²⁾	1.481.840 ²⁾	663.187 ²⁾
Afgående mobiltrafik i alt <i>Outgoing mobile traffic in total</i>	1.348.477	1.200.046	2.117.146	1.036.181	1.621.464	741.874

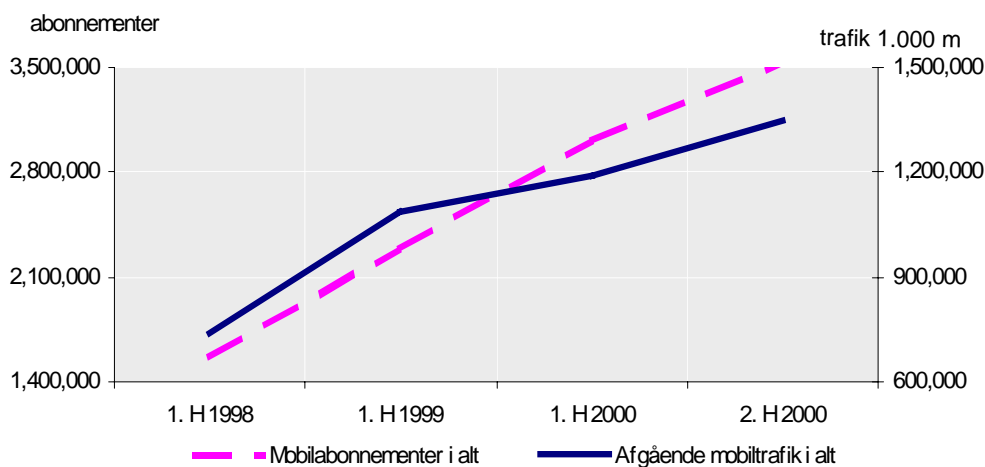
¹⁾ Inkl. aktiverede taletidskort.

Activated pre-paid cards incl.

²⁾ Tele Danmarks og Sonofons mobiltrafik er opgjort inkl. trafik udbudt hos tjenesteudbydere. Ved beregningen af trafik i alt er der korrigeret for dette.

The data regarding Tele Danmark's and Sonofon's mobile traffic include traffic generated via service providers. The amount of total traffic has been adjusted for this.

Mobilabonnenter og mobiltrafik 1998-2000
Mobile subscriptions and traffic 1998-2000



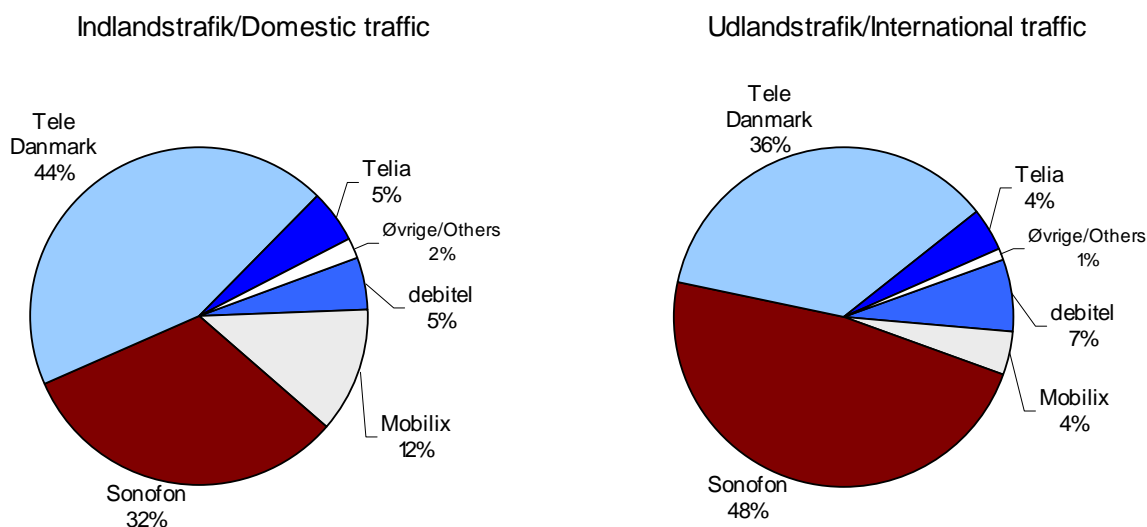
Mobiltelefoni
Mobile telephony

Afgående indlands og udlands mobiltrafik
Outgoing domestic and international mobile traffic

	Afgående indlandstrafik/Outgoing domestic traffic				Afgående udlandstrafik/Outgoing int. traffic			
	2. H 2000		1. H 2000		2. H 2000		1. H 2000	
	min. (1.000)	andel/share	min. (1.000)	andel/share	min. (1.000)	andel/share	min. (1.000)	andel/share
NMT								
Tele Danmark	17.620	•	22.200	•	920	•	1.100	•
GSM 900/1800								
debitel	65.892	5%	53.848	5%	4.960	7%	3.427	5%
Mobilix	149.877	12%	134.320	12%	3.062	4%	4.679	7%
Sonofon	414.254	32%	382.343	34%	34.779	48%	29.907	46%
Tele Danmark	545.850	44% ¹⁾	487.600	45% ¹⁾	25.280	36% ¹⁾	24.300	39% ¹⁾
Telia	68.306	5%	52.713	5%	2.793	4%	2.088	3%
Øvrige Others	31.900	2%	1.475	-	604	1%	46	-
Trafik i alt Traffic in total	1.276.079	100%	1.134.499	100%	72.398	100%	65.547	100%

1) Inkl. NMT
NMT incl.

Afgående mobiltrafik – markedsandele 2. H 2000
Outgoing mobile traffic – market shares 2nd half 2000

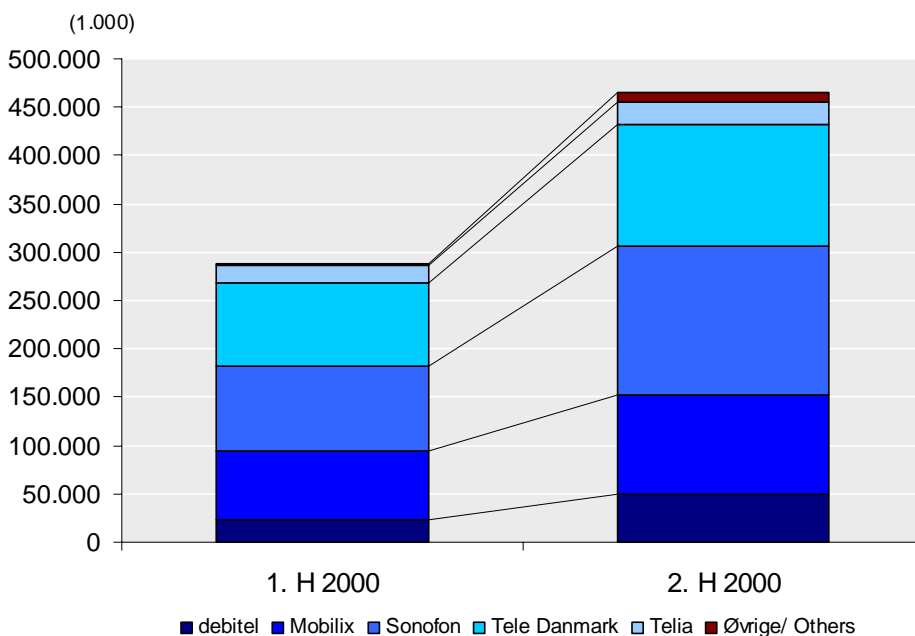


SMS beskeder sendt
SMS sent

	2. H 2000		1. H 2000	
	Antal (1.000)	Markedsandel	Antal (1.000)	Markedsandel
debitel	49.967	11%	23.246	8%
Mobilix	102.092	22%	70.936	25%
Sonofon	153.751	33%	87.490 ¹⁾	31%
Tele Danmark	126.097	27%	86.933	30%
Telia	23.416	5%	18.403	6%
Øvrige Others	10.064	2%	263	-
SMS i alt SMS in total	465.387	100%	287.271¹⁾	100%

¹⁾ Tal for 1. halvår 2000 er ændret pga. korrigerede tal fra udbydere.
Figure for the 1st half of 2000 is adjusted due to corrected figures from the operators.

SMS sendt
SMS sent

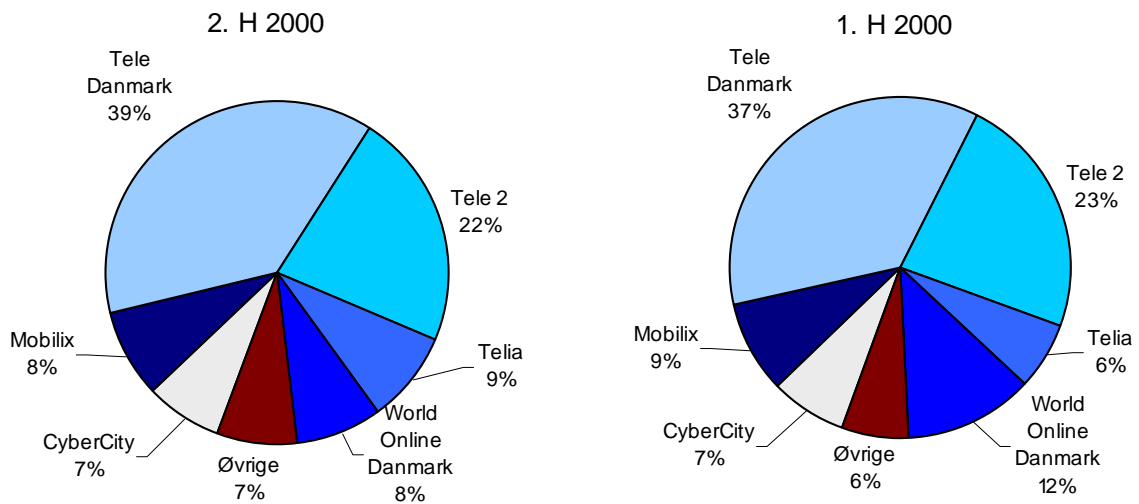


Internet
Internet

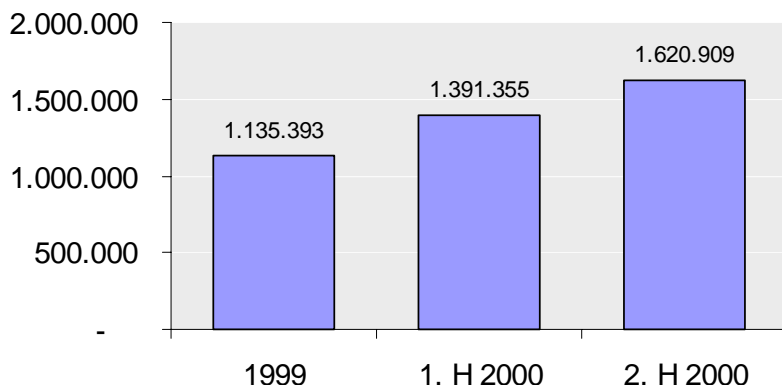
Antal Internetabonnementer
Internet subscriptions

	2. H 2000		1. H 2000	
	<u>Antal</u>	<u>Andel</u>	<u>Antal</u>	<u>Andel</u>
CyberCity	116.169	7%	100.490	7%
Mobilix	136.290	8%	119.843	9%
Tele Danmark	614.637	39%	503.498	37%
Tele 2	362.644	22%	320.000	23%
Telia	138.041	9%	88.905	6%
World Online Danmark	131.892	8%	170.422	12%
Øvrige	121.236	7%	88.197	6%
I alt <i>Total</i>	1.620.909	100%	1.391.355	100%

Internetabonnementer – markedsandele 2000
Internet subscriptions – market shares 2000



Antal Internetabonnementer 1999-2000
Subscriptions to Internet 1999-2000



Internet
Internet

Heraf antal ADSL abonnementer – 2. halvår 2000
Among these ADSL subscriptions – 2nd half of 2000

	Antal
CyberCity	8.300
Tele Danmark	9.634
World Online	8.001
I alt <i>Total</i>	25.935

ADSL abonnementer, markedsandele 2. halvår 2000
ADSL-subscriptions, market shares

