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Central Statistical
Office of Finland



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**Tilastokirjasto
Statistikbiblioteket**

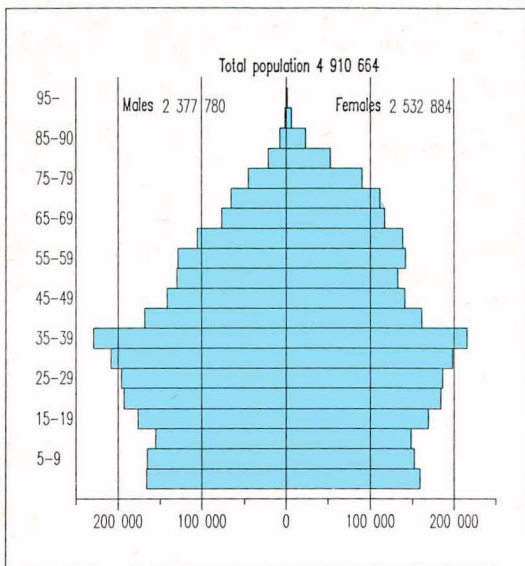
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IMPORTANT DATES IN HEALTH CARE

- 1627 Collegium Medicum
- 1641 A Faculty of Medicine established at the University of Turku
- 1814 The first Hospitals Act
- 1816 The first lie-in hospital
- 1819 The first Finnish pharmacopoeia
- 1824 A College of Physicians to oversee vaccination
- 1832 A set of regulations for district officers of health
- 1833 A lie-in hospital established in Helsinki
The first teaching hospital established in Helsinki
- 1835 The Finnish Medical Association
- 1841 A set of guidelines for performing medicolegal examinations
The first mental hospital (Lapinlahti Hospital)
- 1848 A new university medical clinic
A general hospital established in Helsinki
- 1859 Midwives as vaccinators
- 1860 The Helsinki General Hospital and the New Clinic merged
- 1878 A new lie-in hospital established in Helsinki
The National Board of Health
- 1879 A statute on Health Care
- 1881 The first municipal hospital
- 1882 The first municipal officer of health
- 1883 Compulsory vaccination
- 1889 A statute on the Care of the Mentally Ill
The government undertakes to educate nurses
Ambulatory nurses for rural districts
- 1903 The first few tuberculosis sanatoria
- 1907 The Anti-Tuberculosis Association of Finland
The Benevolent Society for Underprivileged Tuberculosis Patients
- 1911 A temporary serological laboratory
- 1914 Women authorized to practice medicine
- 1916 The Pasteur-Institute
- 1937 The Care of the Mentally Ill Act

-
- 1939 Rules and regulations on universal provision of medical care
 - 1943 The Central Hospitals Act
 - 1944 The Maternity and Child Welfare Clinics Act
 - 1947 A statute on the Government Institute of Serology
 - 1948 The Tuberculosis Act
 - 1950 The Abortion Act
 - 1952 The Care of the Mentally Ill Act amended
The Cancer register
 - 1956 The Hospitals Act
 - 1960 The Tuberculosis Act amended
 - 1963 Compulsory registration of special preparations
 - 1964 The Sickness Insurance Act
 - 1965 The Municipal General Hospitals Act
 - 1968 The Ministry of Social Affairs and Health
 - 1970 The Abortion Act amended
 - 1972 The Public Health Act
 - 1973 An office of forensic medicine established in county governments
 - 1978 The Care of the Mentally Ill Act amended
Federations of municipalities for medical care districts
 - 1982 The Planning of Social Welfare and Health Care Act

1. Population by age in 1985

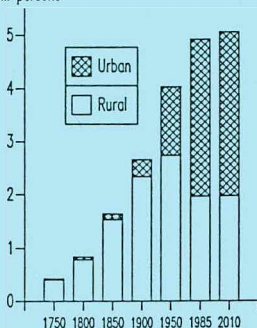


2. Population by age in the Nordic countries (%) on 31 December 1985

	Finland	Sweden	Denmark ¹⁾	Norway	Iceland
0 -14	19,4	18,1	18,3	19,8	26,1
15-24	14,7	14,0	15,4	15,7	17,7
25-34	16,1	13,6	14,5	14,9	16,5
35-44	15,8	15,2	15,4	13,9	12,4
45-54	11,1	10,8	11,0	9,5	8,8
55-64	10,5	11,0	10,3	10,4	8,3
65-74	7,5	10,0	8,7	9,3	5,8
75-	5,1	7,4	6,5	6,6	4,4
	100	100	100	100	100
Total (1 000)	4 911	8 358	5 116	4 159	242
1) 1.1.1986.					

3. Population in Finland in 1750–2010

Mill. persons

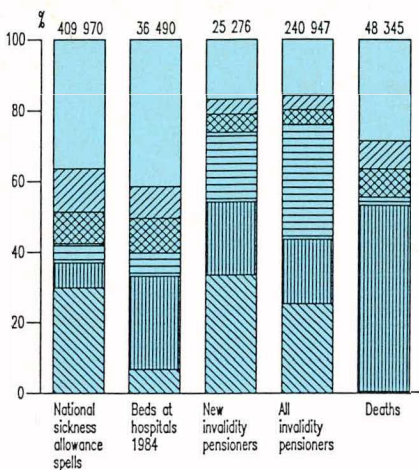


	Total population	In urban municipalities (%)
1750	421 500	4
1800	832 700	6
1850	1 636 900	6
1900	2 655 900	12
1950	4 029 800	32
1985	4 910 664	60
projection		
1990	5 006 000	62
2000	5 073 400	61
2010	5 048 100	61

4. Population by age (1 000) in 1960–2025

	0–14 Total	%	15–64 Total	65– Total	%
1960	1 340	30,1	2 778	328	7,4
1980	965	20,2	3 245	578	12,1
1985	952	19,4	3 339	612	12,5
2000	889	16,5	3 726	760	14,1
2025	711	14,8	2 960	1 124	23,4

5. Morbidity by main diagnostic groups (%) in 1985



6. National invalidity pensioners by age in 1985

	Total	%	Males %	Females %
16-34	24 205	1,7	1,9	1,4
35-44	26 602	3,4	3,8	3,1
45-54	50 582	9,3	10,3	8,2
55-59	57 094	21,2	23,8	18,8
60-64	82 764	34,0	38,0	31,0
All	240 947	7,3	7,8	6,9

7. National sickness allowances in 1985

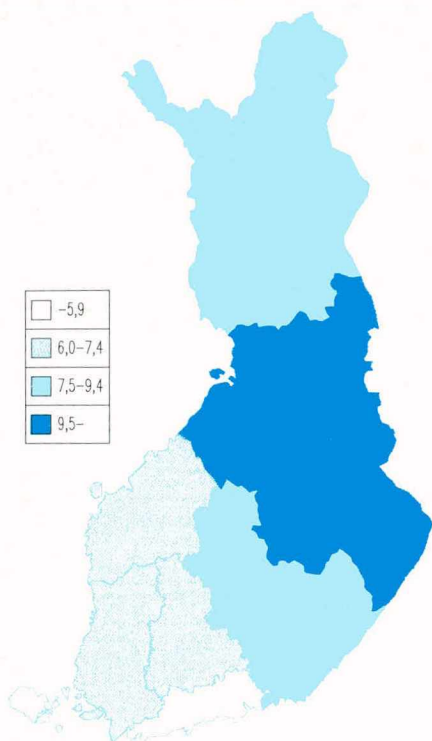
	Recipients per year	Days per recipient	Days /100 popula- tion of working age	Allowances per reci- pient	Allowances /100 popula- tion of working age
All	387 988	37	441	5 031	59 543
Males	170 504	40	418	6 306	65 482
16-24	16 955	24	122	2 140	10 781
25-34	38 750	26	247	3 677	35 265
35-44	45 163	32	362	5 309	60 345
45-54	41 374	48	729	7 759	118 679
55-64	28 262	73	877	11 877	143 679
Females	217 484	35	464	4 031	53 583
16-24	18 324	21	119	1 656	9 400
25-34	48 877	23	299	2 718	34 554
35-44	58 271	27	419	3 420	52 849
45-54	53 581	39	763	4 685	92 113
55-64	38 431	63	861	6 850	94 223

8. Patient days in hospitals¹⁾ per 1000 population in 1984

Age	Males	Females
0- 4	1 093	899
5-14	544	569
15-24	454	898
25-34	501	1 708
35-44	821	1 410
45-54	1 890	1 550
55-64	3 837	2 464
65-69	6 914	4 284
70-74	8 685	8 238
75-79	13 932	14 065
80-	28 159	34 947
All	2 103	3 302

¹⁾ In general and tuberculosis hospitals.

9. National invalidity pensioners by province in 1985



10. New national invalidity pensioners in 1985

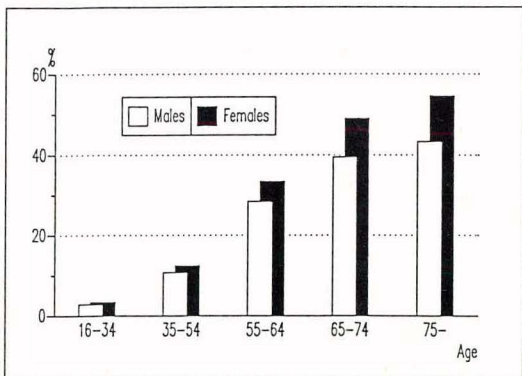
Age	Total Number	%	Males %	Females %
16-34	2 614	0,2	0,2	0,1
35-44	2 601	0,3	0,4	0,3
45-54	7 271	1,5	1,7	1,3
55-59	6 941	3,3	3,7	2,9
60-64	5 849	3,6	3,7	3,6
All	25 276	0,8	0,9	0,8

11. New national invalidity pensioners¹⁾ in 1976-80

	All	Males	Females
All	100,0	100,0	100,0
Upper functionaries	47,1	45,2	44,0
Lower functionaries	70,0	75,5	73,6
Skilled workers	134,1	127,1	131,9
Unskilled workers	133,4	155,3	134,9
Farmers	99,1	88,0	116,3
Employers and Entrepreneurs	92,6	92,9	80,1
Others	150,6	152,8	136,5
Total	100,0	115,2	83,0

¹⁾ CMF, standard population in age 20-59, health years of the economically active population

12. Users of free - of - charge medicines (%) in 1985



13. Users of free - of - charge medicines by province in 1985

Province	All		Male		Females	
	Number	%	Number	%	Number	%
Uudenmaan	137 479	11,6	51 473	9,2	86 006	13,7
Turun ja Porin	97 402	13,7	36 806	10,7	60 596	16,4
Ahvenanmaan	2 912	12,3	1 080	9,3	1 832	15,3
Hämeen	93 144	13,7	35 182	10,8	57 962	16,4
Kymen	46 986	13,8	17 976	10,8	29 010	16,6
Mikkelin	33 060	15,8	12 568	12,3	20 492	19,2
Pohjois-Karjalan	28 189	15,9	11 106	12,7	17 083	19,0
Kuopion	38 895	15,2	14 813	11,8	24 082	18,4
Keski-Suomen	37 183	15,0	14 461	11,9	22 722	18,0
Vaasan	63 254	14,2	24 043	11,0	39 211	17,3
Oulun	62 961	14,6	25 357	11,7	37 604	17,4
Lapin	25 452	12,7	10 213	10,1	15 239	15,3
Whole country	667 528	13,6	255 375	10,7	412 153	16,3

14. Incidence of most frequent forms of cancer¹⁾ in 1983

	Males		Females	
	Number	Per 100 000 persons	Number	Per 100 000 persons
Stomach	632	26,9	612	24,4
Colon	366	15,6	463	18,5
Rectum	315	13,4	302	12,1
Pancreas	303	12,8	326	13,0
Lung	1 982	84,3	295	11,8
Breast	5	0,2	1 845	73,6
Corpus uteri	—	—	448	17,9
Ovary	—	—	427	17,0
Prostate	1 088	46,3	—	—
Kidney	266	11,3	238	9,5
Other urinary organs	384	16,3	138	5,5
Nervous system	234	10,0	297	11,9

¹⁾ New cases.

15. Cancer incidence by age in 1983

	Males		Females	
	Number	Per 100 000 persons	Number	Per 100 000 persons
0-14	78	16,0	50	10,8
15-24	71	18,6	72	19,7
25-34	145	34,5	216	54,3
35-44	289	80,8	507	148,0
45-54	654	241,6	921	334,5
55-64	1 741	796,2	1 540	565,6
65-74	2 568	1 782,4	2 165	934,4
75-	2 064	3 000,3	2 346	1 512,0
Total	7 610	323,8	7 817	312,0

16. Tuberculosis

	New cases	In register 31.12.	Deaths
1960	7 066	47 654	1 158
1970	5 085	16 065	383
1980	2 247	4 669	240
1986	1 546	3 107 ¹⁾	179 ¹⁾
1) 1985.			

17. Diabetics¹⁾, (31.12)

	Number	Per 1 000 persons ²⁾
1970 ³⁾	46 001	9,7
1975 ³⁾	65 551	13,8
1980	84 524	17,6
1981	85 044	17,7
1982	86 726	17,9
1983	86 255	17,7
1984	87 217	17,8
1985 ⁴⁾	88 102	17,9

¹⁾ Only recipients of free - of - charge medicines. Excl. patients in hospital or on diet.

²⁾ At the end of year per 1000 entitled to national sickness insurance benefits.

³⁾ Cases 30.6.

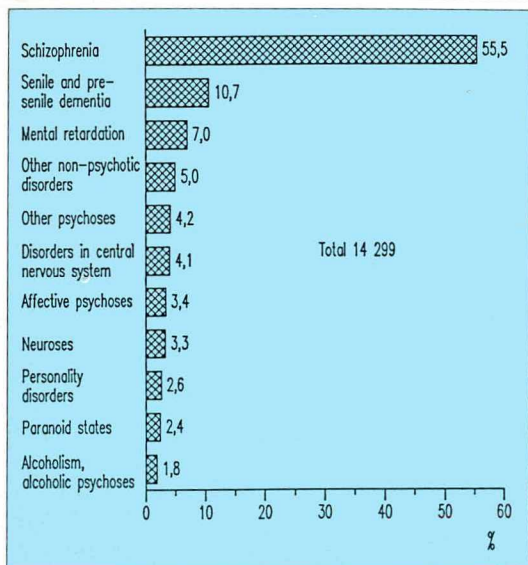
⁴⁾ Cases 30.10.

18. Diabetics by age on 31 October 1985

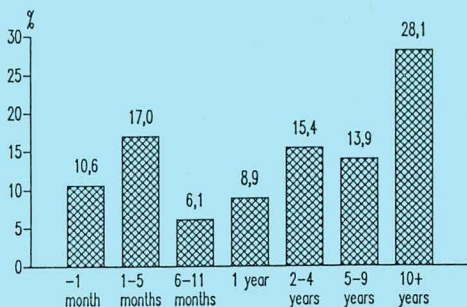
	Males		Females	
	Number	Per 100 000 ¹⁾ population	Number	Per 100 000 ¹⁾ population
0-15	1 125	2,2	939	1,9
16-44	8 206	7,2	5 383	5,0
45-64	12 913	25,6	10 956	19,9
65-	13 170	60,7	35 410	88,3
Total	35 414	14,9	52 688	20,8

¹⁾ Compared with population 31.12.1985 .

19. Mental hospital patients by diagnostic group on 31 December 1985



20. Mental hospital patients by duration of stay in 1984



Mean duration of stay in mental hospitals in 1984 was 7 years, 9 months

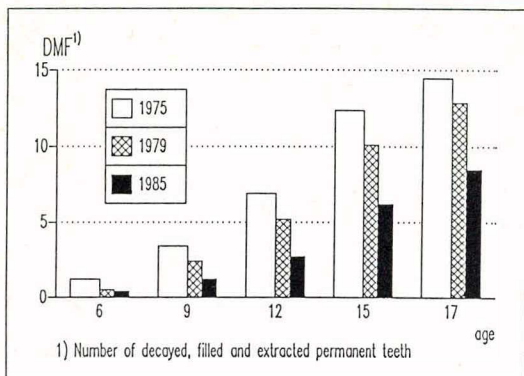
21. Venereal diseases and HIV-infections

	Cases of gonorrhoea	Per 1 000 persons	Cases of syphilis	Verified cases of HIV-infection
1977	12 136	2,56	246	—
1978	10 848	2,28	141	—
1979	10 357	2,17	119	—
1980	9 472	2,00	90	—
1981	8 297	1,73	111	—
1982	7 518	1,56	128	1
1983	7 288	1,51	117	5
1984	7 591	1,56	105	13
1985	6 999	1,43	116	45
1986	5 928	1,21	78	69
1987	..	..	..	37 ¹⁾

By the beginning of August 1987, 20 of HIV-infected had got AIDS. Of them 12 have died.

¹⁾ By 8 August 1987.

22. Dental status among youth



23. New cases of occupational diseases¹⁾

	1980	1985
Infectious diseases	95	43
Noise-induced hearing loss	1 500	2 026
Asthma	140	188
Vibration syndrome	56	37
Tendinitis	624	785
Poisonings	91	108
Skin diseases	1 214	1 229
Others	751	1 840
Total	4 471	6 256

¹⁾ Diseases caused by work.

24. Industrial accidents by occupation in 1984-85.

	Number	Per 1 000 workers
Other construction work	21 359	316,0
Food and Beverage	8 394	178,2
Iron and metalware work	41 263	176,2
Wood work	21 912	167,3
Other manufacturing work	6 346	163,1
Painting and lacquering work	3 138	145,3
Dock and warehouse work	8 986	140,6
Smelting etc. work	2 813	118,7
Agricultural work	4 016	116,1
Forestry work	5 885	109,8
Chemical processing	3 975	98,4
Motorpower work	7 949	88,9
Packing and Wrapping work	3 284	83,4
Road transport work	10 209	79,5
Electrical work	7 023	60,1
Textile work	1 341	49,9
Postal and messenger work	2 421	45,3
Housekeeping etc. work	8 221	40,8
Public safety work	2 179	39,1

25. Occupational health services¹⁾

	1980	/1 000 per-sons	1984	/1 000 per-sons
	Number		Number	
Persons entitled to occupational health services	1 360 900		1 660 400	
Visits to physician's office	1 706 700	1 254	1 760 000	1 060
Visits to working-site nurse	1 529 200	1 124	1 312 700	791
- Other visits	1 088 800	800	966 500	582
Health examinations ²⁾	594 000	436	593 200	357
Laboratory examinations	2 659 500	1 954	4 168 700	2 511
X-ray examinations	167 900	123	202 500	122
Physical treatment	476 700	350	749 600	451
Working-site inspections ²⁾	42 000	31	46 700	28

¹⁾ Excl. entrepreneurs

²⁾ Both by physician and working-site nurse.

26. Student's health care

	1979/80	1985/86
Students	75 628	84 200
Patients	36 128	42 600 ¹⁾
Visit to health centers	94 548	120 800
Dental care patients	29 223	36 600
Dental care visits	112 922	109 700

¹⁾ 1984/85.

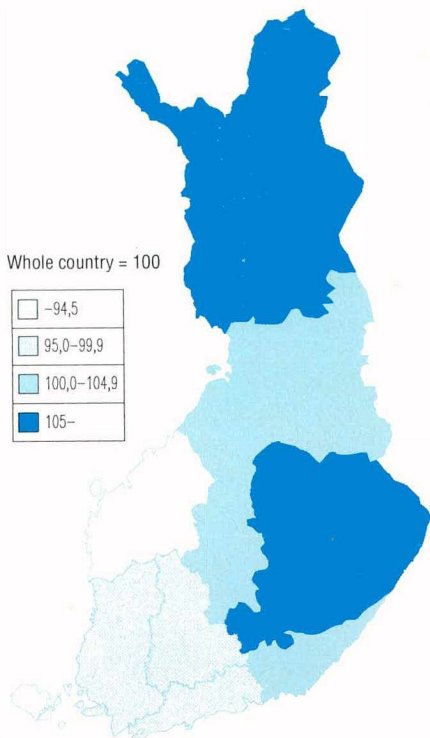
27. Life expectation in the Nordic countries

	Finland	Sweden	Denmark	Norway	Iceland
Aged 0					
Males					
1961-65	65,4	71,6	70,3	71,0	70,8
1971-75	66,7	72,1	70,9	71,4	71,6
1984-85 ¹⁾	70,1	73,8	71,6	72,8	74,7
Females					
1961-65	72,6	75,7	74,5	76,0	76,2
1971-75	75,2	77,6	76,5	77,7	77,5
1984-85 ¹⁾	78,5	79,7	77,5	79,5	80,2
Aged 65					
Males					
1961-65	11,4	13,9	13,5	14,1	15,0
1971-75	11,8	14,0	13,7	14,0	15,0
1984-85 ¹⁾	12,9	14,7	13,9	14,4	15,8
Females					
1961-65	13,7	15,8	15,4	16,0	16,8
1971-75	15,1	17,2	17,0	17,0	17,8
1984-85 ¹⁾	17,2	18,5	17,8	18,5	18,6

¹⁾ In Finland and in Sweden only for 1985.

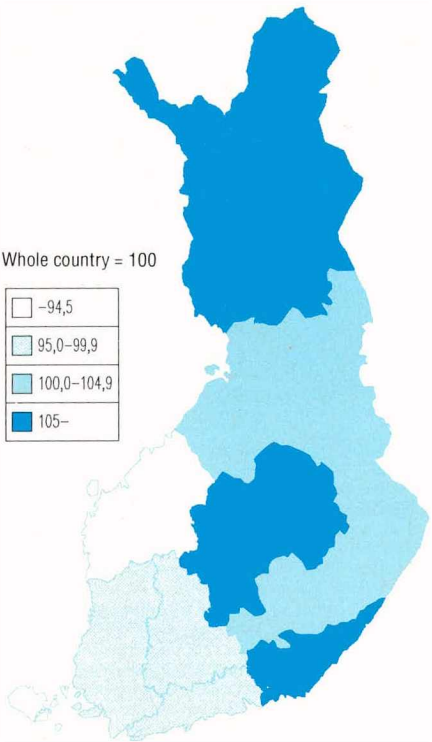
28. Standardized mortality ratio by province in 1985

MALES

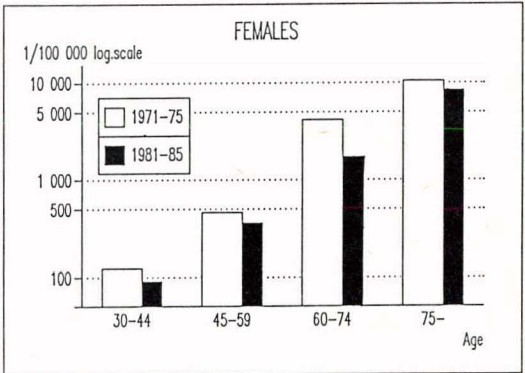
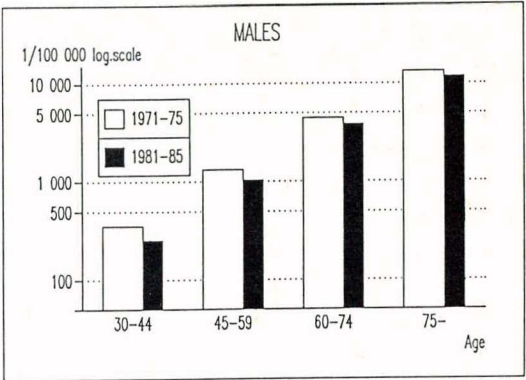


28. Standardized mortality ratio by province in 1985

FEMALES



29. Mortality by age



30. Mortality by age in 1985

	Males		Females	
	Number	Per 1 000 persons	Number	Per 1 000 persons
- 1	216	6,75	179	5,81
1-14	138	0,30	81	0,19
15-24	383	1,03	106	0,30
25-34	641	1,58	189	0,49
35-44	1 160	2,98	386	1,05
45-54	2 098	7,71	707	2,58
55-64	4 569	19,72	1 952	6,98
65-74	6 628	47,15	4 972	21,89
75-84	6 889	105,38	9 440	67,34
85-	2 263	240,72	5 348	182,05

31. Mortality of the economically active population¹⁾ in 1976-80

	Males	Females
All	100,0	100,0
Upper functionaries	73,7	87,7
Lower functionaries	86,5	97,6
Skilled workers	107,3	105,6
Unskilled workers	157,5	110,7
Farmers	90,1	89,9
Employers and entrepreneurs	107,6	116,0
Others	149,3	135,6

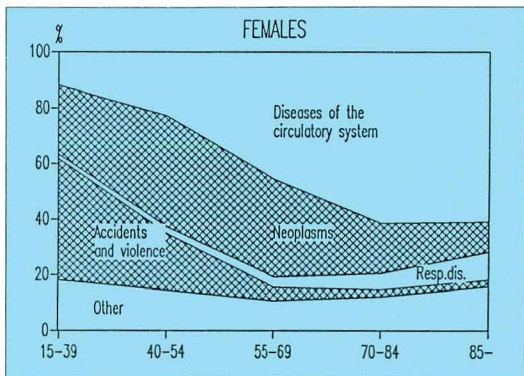
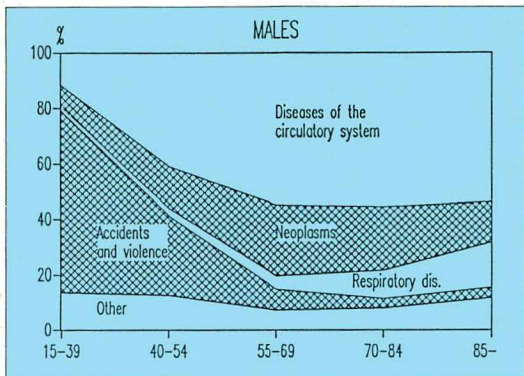
¹⁾ CMF, stadard population in age 20-59, economically active.

32. Mortality¹⁾ by marital status in 1985

	Age -44		45-64		65-	
	Males	Females	Males	Females	Males	Females
Married	127	50	1 037	384	6 104	2 694
Single	141	57	2 122	720	8 662	5 934
Divorced	684	180	2 461	631	9 200	4 927
Widowed	534	160	2 547	669	11 360	6 025

¹⁾ Per 100 000 Mean population.

33. Most frequent causes of death in 1986



34. Most frequent causes of death¹⁾ in 1981 – 1985

	Cardiovascular diseases	Malignant neoplasms	Other diseases	Accidents and violence
Males				
1–34	7,8	8,5	31,1	65,5
35–44	83,2	33,8	47,3	134,2
45–54	372,8	137,4	103,6	170,3
55–64	1 075,5	502,7	224,6	175,4
65–74	2 672,4	1 287,6	650,9	186,8
75–	6 518,8	2 278,9	2 494,0	356,2

Females

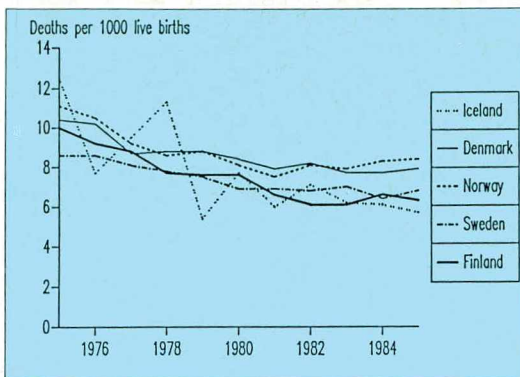
1–34	2,6	6,6	23,5	15,7
35–44	21,7	38,9	20,6	28,4
45–54	71,9	113,6	42,3	40,6
55–64	287,0	271,9	110,1	45,2
65–74	1 250,1	549,0	339,9	60,5
75–	5 265,1	1 171,0	1 715,9	218,1

¹⁾ Per 100 000 population.

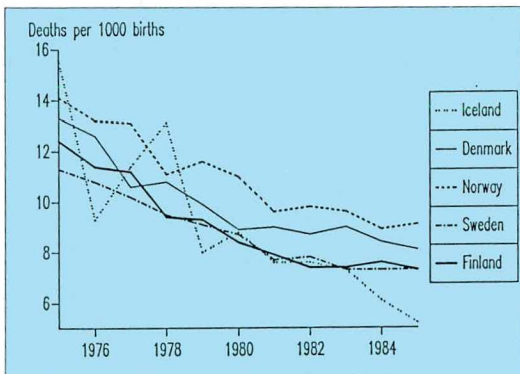
35. Infant and perinatal mortality by province in 1986

Province	Infant mortality		Perinatal mortality	
	Number	1/1 000	Number	1/1 000
Uudenmaan	89	5,8	78	5,1
Turun ja Porin	52	6,3	50	6,1
Ahvenanmaan	2	7,3	2	7,3
Hämeen	35	4,5	47	6,0
Kymen	22	6,3	24	6,9
Mikkelin	17	7,4	18	7,8
Pohjois-Karjalan	9	4,0	9	4,0
Kuopion	17	5,3	24	7,4
Keski-Suomen	25	8,1	23	7,4
Vaasan	29	5,1	38	6,7
Oulun	44	6,8	52	8,1
Lapin	15	5,6	22	8,1
Whole country	356	5,9	387	6,3

36. Infant mortality in the Nordic countries

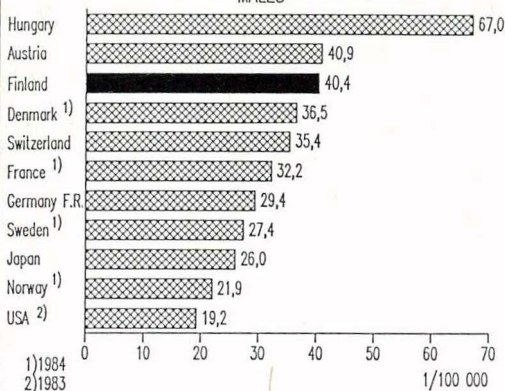


37. Perinatal mortality in the Nordic countries

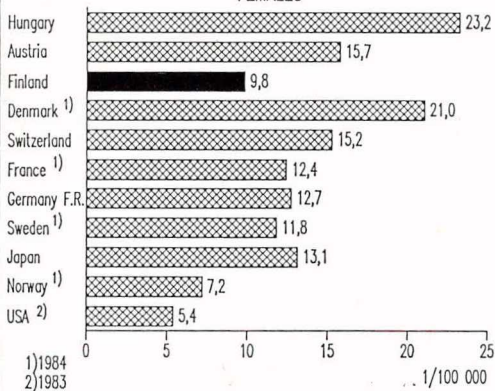


38. Suicides in selected countries in 1985

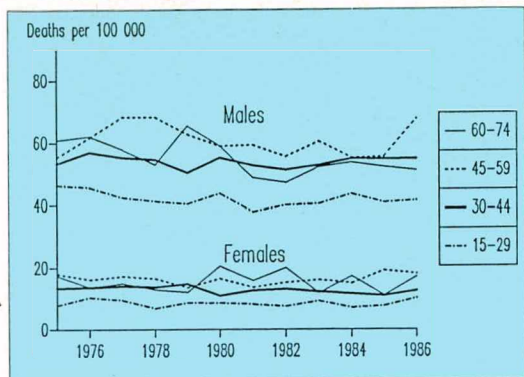
MALES



FEMALES



39. Suicides by age in Finland in 1975-86



40. Suicides by province in 1986

	Deaths			Per 100 000 population		
	M	F	Total	M	F	Total
Uudenmaan	219	73	292	38,8	11,6	24,5
Turun ja Porin	128	37	165	37,2	10,0	23,1
Ahvenanmaa	7	1	8	60,2	8,3	33,9
Hämeen	150	46	196	46,2	13,0	28,9
Kymen	79	24	103	47,7	13,8	30,3
Mikkelin	55	7	62	53,9	6,6	29,7
Pohjois-Karjalan	52	13	65	59,4	14,5	36,6
Kuopion	68	15	83	54,3	11,5	32,4
Keski-Suomen	53	10	63	43,5	7,9	25,4
Vaasan	64	16	80	29,4	7,1	18,0
Oulun	109	32	141	50,5	14,8	32,6
Lapin	39	13	52	38,6	13,1	25,9
Whole country	1023	287	1310	43,0	11,3	26,6

41. Traffic accidents in the Nordic countries

Deaths and injured per 100 000 inhabitants

	Finland ¹⁾	Sweden	Denmark	Norway	Iceland
1981	201	232	279	264	317
1982	201	241	275	263	328
1983	206	247	270	267	266
1984	200	257	281	278	329
1985	206	257	286	296	378

Deaths per 100 000 population

	Finland	Sweden	Denmark	Norway	Iceland
1981	12	9	13	8	10
1982	12	9	13	10	10
1983	12	9	13	10	8
1984	11	10	13	10	11
1985	11	10	15	10	10

¹⁾ Slightly injured are excluded.

42. Road traffic accidents in Finland

	Accidents total ¹⁾	Of which alcohol cases (%)	Persons killed	Persons injured	Traffic offences	Number of vehicles
1960	22 025	5,8	765	9 716	120 283	256 892
1970	30 466	9,1	1 055	16 028	186 453	828 010
1980	29 416	9,2	551	8 442	215 281	1 392 827
1984	38 512	7,3	541	9 198	336 068	1 667 987
1985	40 400	7,9	541	9 563	314 052	1 746 615

¹⁾ Deaths, injured and other accidents known by police.

43. Health personnel in the Nordic countries

	Finland 1985 ¹⁾	Sweden 1985	Denmark 1984	Norway 1985	Iceland 1984
Physicians	10 193	21 000 ²⁾	12 980	9 176	574
Dentists	3 916	9 338	5 100	3 702	193
Nurses	43 989	72 386	38 643	35 552	1 708
Practical nurses	28 366	33 179	49 456	36 896	1 119
Physiotherapists	4 557	5 889	3 111	3 701	119

Inhabitants per

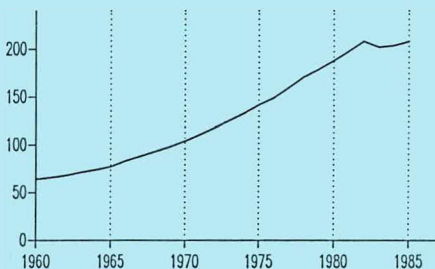
Physicians	481	398	394	452	419
Dentists	1 252	893	1 000	1 120	1 246
Nurses	111	115	132	117	141
Practical nurses	173	251	103	112	215
Physiotherapists	1 078	1 419	1 643	1 120	2 020

¹⁾ All

²⁾ Estimate

44. Physicians per 100 000 population in Finland

Per 100 000 population



After 1982 physicians of working age

45. Number of physicians in Finland

Year	Number of physicians	Inhabitants per physicians
1975	6 701	704
1976	7 068	669
1977	7 603	624
1978	8 134	585
1979	8 543	558
1980	9 016	532
1981	9 538	505
1982	10 057	481
1983	9 793	495
1984	9 979	490
1985	10 193	482

Until 1982 all physicians living in Finland. From 1983 only under the age of 63 years.

46. Physicians by main position 1.1.1987

	Males Number	Females Number	%	Total
Hospitals	3 570	1 700	42	5 270
Health centres	1 500	1 400	23	2 900
Ambulatory care	120	150	2	270
Health service for employees	290	160	4	450
Private health services	330	290	5	620
Teaching and research	670	190	7	860
Administration etc.	330	130	3	430
Other	930	900	14	1 830
Total	7 740	4 890	100	12 630 ¹⁾

¹⁾ Incl. 581 physicians in orientation

47. Health personnel¹⁾ by selected categories in 1986

	Males	Females Number	%	Total
Professional nurses	1 046	43 749	98	44 795
Laboratory nurses	119	4 944	98	5 063
Physiotherapists	503	4 408	90	4 911
Midwives	—	736	100	736
X-ray nurses	187	2 375	93	2 562
Dental nurses	12	4 954	99	4 966
Children's nurses	32	13 102	99	13 134
Hospital attendants	1 186	184	13	1 370
Psychiatric attendants	2 454	4 744	66	7 198
Auxiliary nurses	255	29 366	99	29 621

¹⁾ All in age under 60 resident in Finland, on 31 December 1986.

48. Vacant positions by professional categories¹⁾

	1.10.1976 %	1.10.1980 %	Number	1.10.1986 %
Physicians	16,0	8,1	734	9,7
Dentists	18,6	4,7	142	7,1
Professional nurses	12,8	6,0	821	3,5
Laboratory nurses	14,2	3,1	85	2,7
Physiotherapists	30,9	10,1	275	19,8
X-ray nurses	10,0	4,0	17	1,2
Condition therapists	—	—	67	36,6
Dental nurses	..	..	57	2,4
Children's nurses	..	..	26	1,3
Physiotherapy assistants	..	..	62	9,8
Psychiatric attendants	2,8	2,1	96	2,6
Auxiliary nurses	8,3	2,7	322	2,5

¹⁾ Vacant posts or posts filled by incompetent personnel at health centers and hospitals.

49. General hospitals¹⁾ in 1985

Service and running costs per 1000 population

Central hospital-district	Beds	Patient days	Visits in ambulatory care	Running costs (1000 mk)	Population (1000)
Helsinki univ. hospital	4,9	1 329	734	1 886	1 159
Turku university hospital	4,6	1 249	794	1 449	426
Satakunta c. hospital	3,9	1 139	653	1 227	245
Kanta-Häme c. hospital	4,7	1 330	889	1 587	152
Tampere univ. hospital	4,0	1 149	627	1 320	417
Päijät-Häme c. hospital	4,2	1 059	694	1 223	201
Kotka central hospital	3,3	956	671	1 023	194
Etelä-Saimaa c. hospital	5,1	1 445	692	1 526	134
Mikkeli central hospital	5,1	1 305	641	1 381	112
Savonlinna c. hospital	3,9	1 089	677	1 331	73
Pohjois-Karjala c. h.	3,6	1 023	731	1 203	180
Kuopio univ. hospital	5,1	1 389	738	1 949	256
Keski-Suomi c. hospital	3,8	1 082	556	1 217	247
Etelä-Pohjanmaa c. h.	4,4	1 236	595	1 381	195
Vaasa central hospital	4,9	1 370	746	1 571	178
Keski-Pohjanmaa c.h.	2,3	689	619	819	123
Oulu univ. hospital	6,7	1 798	878	2 222	279
Kainuu central hospital	3,1	832	596	1 216	100
Länsi-Pohja c. h.	3,2	903	619	1 155	84
Lappi central hospital	4,3	1 109	716	1 415	117
Ahvenanmaa c.h.	6,1	1 322	1 612	2 036	24
Total	4,5	1 236	735	1 535	4 894

¹⁾ Incl. Tuberculosis hospitals

50. Health centres in 1985

Service and running costs per 1000 population

Central hospital district	Beds	Patient days	Visits in ambulatory care ¹⁾	Running costs (1000 mk)
Helsinki univ. hospital	4,4	1 523	6 480	1 575
Turku university hospital	3,6	1 237	6 603	1 280
Satakunta central hospital	4,0	1 375	7 394	1 270
Kanta-Häme central hospital	3,3	1 093	6 421	1 036
Tampere university hospital	3,9	1 308	7 476	1 247
Päijät-Häme central hospital	5,1	1 809	7 553	1 688
Kotka central hospital	4,4	1 363	6 320	1 250
Etelä-Saimaa central hospital	4,1	1 510	7 101	1 318
Mikkeli central hospital	5,2	1 867	7 239	1 411
Savonlinna central hospital	4,4	1 200	7 810	1 190
Pohjois-Karjala central hospital	5,0	1 876	8 211	1 562
Kuopio university hospital	4,5	1 596	7 582	1 470
Keski-Suomi central hospital	3,9	1 412	7 886	1 363
Etelä-Pohjanmaa central hospital	4,0	1 438	6 927	1 204
Vaasa central hospital	3,8	1 309	6 511	1 194
Keski-Pohjanmaa c.h.	3,9	1 409	7 146	1 255
Oulu univ. hospital	4,3	1 484	7 685	1 417
Kainuu central hospital	4,7	1 674	8 602	1 571
Länsi-Pohja central hospital	3,9	1 342	7 230	1 401
Lappi central hospital	4,4	1 439	7 582	1 643
Ahvenanmaa c.h.	2,7	963	7 357	1 101
Total	4,2	1 460	7 097	1 399

¹⁾ Incl. all services of ambulatory care at health centres.

51. Hospital beds in the Nordic countries in 1985

	Finland	Sweden	Denmark	Norway	Iceland
Internal Medicine	15 448	17 182	11 662	7 968	562
Surgery	11 089	19 646	12 601	9 659	551
Psychiatry	17 392	19 358	8 940	5 780	367
Radiotherapy	504	874	380	468	—
Rehabilitation medicine	442	485	996	696	483
Mixed med. -surg.	—	315	759	504	564
Other	16 207	2 244	638	650 ¹⁾	148
Total	61 082	60 104	35 976	25 225	2 677

Beds per 100 000 population

Internal Medicine	315	206	228	192	233
Surgery	226	235	246	232	228
Psychiatry	354	232	175	127	152
Radiotherapy	10	10	7	11	—
Rehabilitation medicine	9	6	20	17	200
Mixed med. -surg.	—	4	15	12	239
Other	330	27	12	16	61
Total	1 244	719	703	606	1 109

¹⁾ Incl. beds in health centres.

52. Hospital beds in Finland in 1960–1985

Year	General hospitals	Of which health centres	In mental hospitals	In tuberculosis hospitals	In hospitals of institutions	All beds in hospitals
1960	18 569	—	16 016	6 442	9 929	50 956
1970	28 016	—	19 808	4 440	17 112	69 376
1980	37 193	15 236	19 095	2 311	15 782	74 381
1985	42 202	20 688	16 824	1 932	12 930	73 888

Per 10 000 persons

1960	41,8	—	36,0	14,5	22,3	114,6
1970	60,9	—	43,1	9,7	37,2	150,9
1980	77,7	31,8	39,9	4,8	32,8	155,2
1985	85,9	42,1	34,3	3,3	26,3	150,5

53. Mental hospitals by hospital districts in 1985

Responsibility areas of university central hospital	Service and running costs per 1000 population				
	Beds	Patient days	Visits in ambulatory care	Running costs (1000 mk)	Popu- lation (1 000)
Helsinki	2,7	892	120	442	1 487
Turku	3,1	894	77	342	671
Tampere	3,6	1 116	96	383	1 143
Kuopio	4,1	1 217	172	482	867
Oulu	2,6	786	107	367	702
Ahvenanmaa c.h.d. ¹⁾	2,1	532	291	568	24
Total	3,5	1 074	122	440	4 894

¹⁾ Ahvenanmaa is not covered by national planning.

54. Psychiatric ambulatory care

	1980	/1 000 inhabitants	1985	/1 000 inhabitants
Visits to mental health centres	539 547	112,89	556 309	113,48
Patients in mental health centres	157 029 ¹⁾	32,80	..	..
Visits to other ambulatory care ²⁾	75 346	15,76	144 100	29,40
Hostel places	..	..	1 352	0,28
Day care places	..	..	795	0,16
Protected working places	..	..	178	0,04
Patients in family care	..	..	508	0,10

¹⁾ 1981.

²⁾ Visits in ambulatory care both at mental hospitals and at general hospitals. Also ambulatory care at home.

55. Patient days as bed equivalents ¹⁾

	1970	%	1980	%	1984	%
Infective and Parasitic Diseases	679	2,9	973	3,0	946	2,6
Neoplasms	2 288	9,8	2 895	8,8	3 216	8,8
Endocrine, Nutritional and metabolic diseases	740	3,1	1 033	3,1	1 092	3,0
Blood and Blood-forming organs	214	0,9	202	0,5	152	0,4
Mental disorders	704	3,0	1 542	4,7	2 433	6,7
Nervous System and Sense Organs	1 244	5,3	1 851	5,6	2 455	6,7
Diseases of the Circulatory System	5 044	21,6	8 896	27,0	9 604	26,3
Diseases of the Respiratory System	1 707	7,3	3 443	10,5	3 610	9,9
Diseases of the Digestive System	2 022	8,6	1 655	5,0	1 630	4,5
Diseases of the Genito -urinary System	1 452	6,2	1 581	4,8	1 141	3,1
Compl. of childbirth and the Puerperium	1 983	8,5	1 744	5,3	1 836	5,0
Diseases of the Skin	359	1,5	370	1,1	385	1,1
Musculoskeletal System and Connective Tissue	1 479	6,3	2 397	7,3	2 496	6,8
Congenital Anomalies	315	1,3	259	0,8	252	0,7
Perinatal causes	233	1,0	157	0,5	198	0,6
Symptoms and Ill-defined Conditions	655	2,8	1 154	3,5	1 306	3,6
Accidents and violence	2 024	8,6	2 360	7,1	3 215	8,8
Diagnostic procedures	195	0,8	406	1,2	519	1,4
Total	23 337	100	32 885	100	36 490	100

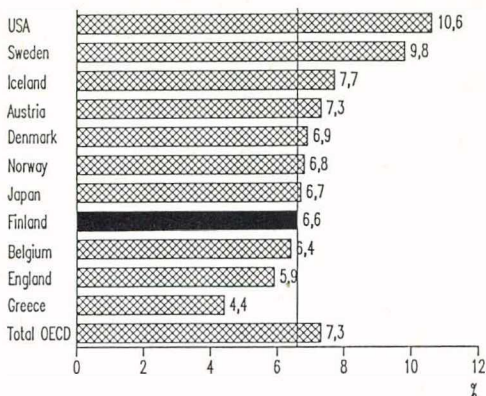
¹⁾ Patient days at general hospitals/365.

56. Visits to physician per person in 1980 and 1985

Province	Health centre		Private physician ¹⁾	
	1980	1985	1980	1985
Uusimaa	1,5	1,7	0,9	0,9
Turun-Porin	1,5	1,9	0,7	0,8
Ahvenanmaa	1,1	1,4	0,2	0,2
Häme	1,6	1,9	0,6	0,6
Kymen	1,7	1,7	0,5	0,6
Mikkeli	1,6	2,0	0,4	0,4
Pohjois-Karjala	1,8	2,0	0,3	0,3
Kuopio	1,7	1,9	0,5	0,6
Vaasa	1,5	1,7	0,4	0,4
Keski-Suomi	1,8	2,0	0,4	0,4
Oulu	1,7	2,1	0,4	0,4
Lappi	1,7	1,8	0,3	0,3
Total	1,6	1,8	0,6	0,6
Total number (1000)	7 592,2	9 042,8	2 874,8	3 070,1

¹⁾ Refunded by sickness insurance

57. Health expenditure in OECD-countries in p.c. of GNP



58. Financing of health expenditures

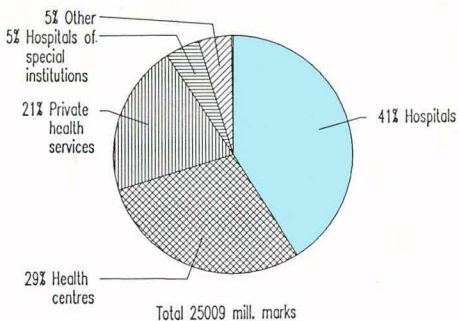
	1980		1985	
	Mill.Fmk.	%	Mill.Fmk.	%
Central government	4 539	37	8 191	33
Commune	3 498	28	8 697	35
Patient	2 336	19	4 713	19
National sickness (refund)	1 364	11	2 034	8
Employer	116	1	244	1
Other	497	4	1 130	4
Total	12 350	100	25 009	100

59. Health expenditure in 1973, 1980 and 1985 (million Fmks)

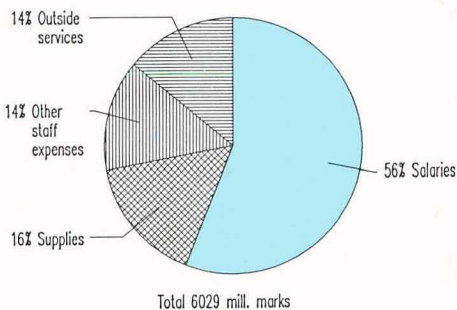
	1973	1980	1985
Hospital activities	1 836	4 894	9 576
Health centre activities	568	3 004	6 902
Hospital activities of institutions	265	762	1 146
Enviromental health	48	199	392
Occupational health	74	355	712
Administration	8	20	38
Capital expenditures	256	502	1 118
Public health services	3 055	9 736	19 884
As an index ¹⁾	100	140	197
In p.c. of GDP	4,4	5,2	5,9
Private health services	971	2 614	5 125
As an index ¹⁾	100	116	160
In p.c. of GDP	1,4	1,4	1,5
All health services	4 026	12 350	25 009
As an index ¹⁾	100	132	188
In p.c. of GDP	5,8	6,6	7,5

¹⁾ A cost of wholesale index deflator has been used

60. Health expenditure (%) 1985



61. Running costs of hospitals (%) in 1985



62. Births by age of mother in Finland, 1985

	Live births	Stillbirths	Per 1 000 women
15-19 ¹⁾	2 374	13	13,8
20-24	14 122	54	76,3
25-29	22 788	79	121,5
30-34	15 383	62	77,3
35-39	7 032	22	32,8
40-44	1 049	11	6,8
45-49	48	—	0,3
15-49	62 796	241	50,1
Total fertility			1644

¹⁾ All children born to women under age of 20 per 1000 women aged 15-19

63. Sales of contraceptives in the Nordic countries 1985

	Finland	Sweden	Denmark	Norway	Iceland
Users of oral contraceptives ¹⁾	177	260	273 ²⁾	147	188
Sales of IUD ¹⁾	114	347 ³⁾	67 ²⁾	79	6
Sales of condom (1 000)	17 000	19 800 ³⁾	11 448 ⁴⁾	7 092	308

¹⁾ Per 1 000 women aged 15-44(49)

²⁾ 1983.

³⁾ Any possible stocks are included in the data

⁴⁾ 1984.

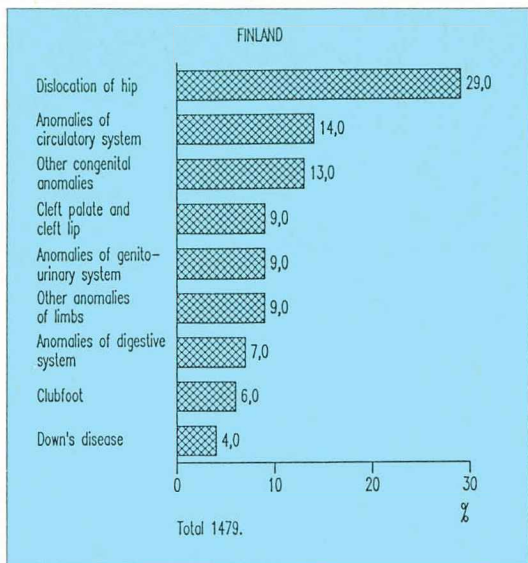
64. Legal abortion by age of mother in the Nordic countries in 1984

	Finland	Sweden	Denmark	Norway	Iceland
15-19 ²⁾	16,9	17,7	17,4	21,0	16,3
20-24	18,7	26,7	29,2	24,4	21,1
25-29	11,1	20,4	22,7	17,0	13,7
30-34	9,8	17,9	18,3	13,7	11,1
35-39	9,4	15,0	14,5	10,7	8,8
40-44	6,5	8,1	7,3	5,5	5,4
45-49	1,3	1,2	1,0	0,6	0,6
Per 1 000 live births	209,7	327,6	400,4	279,9	180,4

¹⁾ Per 1 000 women in age group

²⁾ Abortion to women under age of 20 per 1 000 women aged 15-19.

65. Congenital malformations among children (%) in 1985



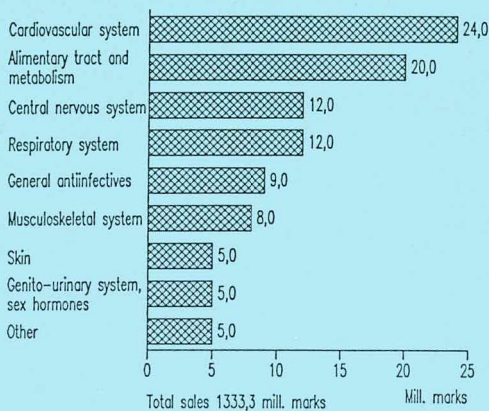
66. Sterilizations in the Nordic countries in 1985

	Finland	Sweden	Denmark ¹⁾	Norway	Iceland
1980	2 935	10 248	11 515	7 106	556
1981	3 627	9 992	11 814	..	462
1982	4 705	9 301	11 844	8 855	614
1983	5 096	8 567	12 711	9 238	679
1984	5 813	7 923	10 765	9 883	646
1985	9 214	7 848	..	9 977	626
Males	558	1 624	4 083 ²⁾	2 525	31
Females	8 656	6 224	6 682 ²⁾	7 452	595

¹⁾ Only sterilizations to in-patients at hospitals

²⁾ 1984.

67. Sales of medicines by pharmacies



68. Consumption of tobacco products¹⁾

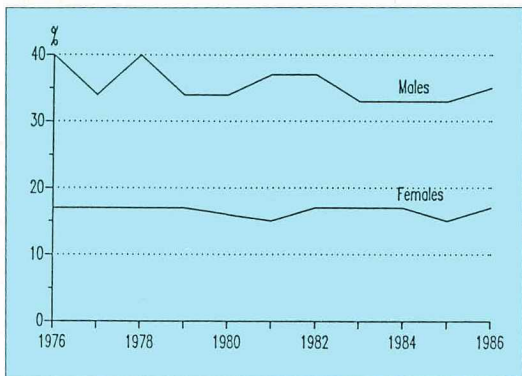
Year	Tobacco 1 000 kg ²⁾	Cigarettes mill.pieces.	Cons. gr per person ³⁾	Cigarettes per person ³⁾
1965	4 991	6 151	1 543	1 901
1970	5 837	6 679	1 681	1 923
1975	6 182	7 524	1 682	2 047
1980	5 672	6 924	1 489	1 818
1985	5 652	7 171	1 431	1 815

¹⁾ Three years moving average

²⁾ Based on wholesale trade purchases

³⁾ Persons aged 15 or over

69. Daily smokers (%)

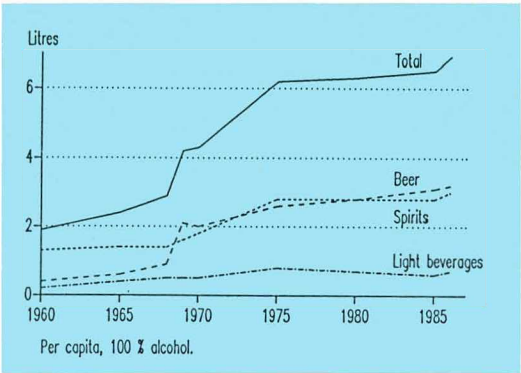


70. Frequency of alcohol drinking¹⁾ (%)

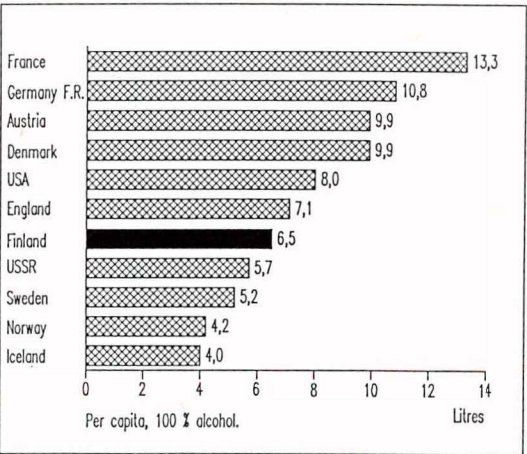
	At least once a week	1-2 times per month	Not so often	Never
Males				
1968	35	33	20	13
1976	49	27	15	9
1984	50	27	11	12
Females				
1968	9	20	27	43
1976	23	28	29	20
1984	22	26	25	27

¹⁾ Jussi Simpura (Ed.): Finnish Drinking Habits. Results from interview surveys held in 1968, 1976, 1984. Finnish Foundation for Alcohol Studies. Helsinki 1987.

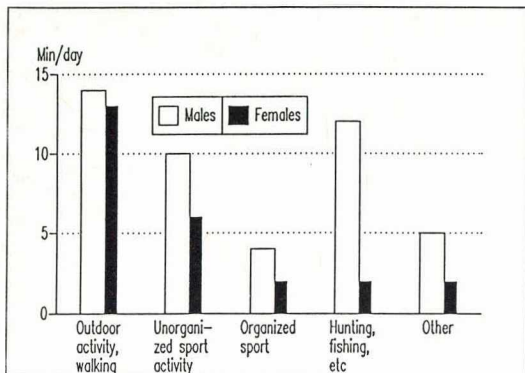
71. Consumption of alcohol beverages in Finland in 1960–86



72. Consumption of alcohol beverages in selected countries in 1986



73. Interests in physical exercise in 1979



74. Violent crimes in the Nordic countries¹⁾

	Finland	Sweden	Denmark	Norway
Murder				
1950	7,4	2,2	2,3	..
1960	5,7	2,6	1,2	0,6
1970	2,9	3,9	1,4	0,2
1980	7,5	7,0	6,8	1,1
1985	8,6	9,9	8,2	..
Assault				
1950	226	153	57	..
1960	193	169	53	75
1970	355	332	72	119
1980	414	440	140	146
1985	475	564	166	..
Rape				
1950	..	7,2	..	..
1960	7,7	9,9	6,5	2,7
1970	10,3	12,5	6,5	4,2
1980	10,9	15,8	12,1	4,6
1985	8,7	18,3	15,3	..

¹⁾ Per 100 000 persons.

75. Experienced loneliness by age group in 1986

	Lives alone	No close friends	Nobody to speak confidentially with
Males			
15-24	8	4	17
25-44	12	9	26
45-64	12	11	32
65-74	16	13	37
Females			
15-24	12	1	5
25-44	9	5	13
45-64	17	7	18
65-74	45	12	25

76. Disease restricting the ability to work (%)

	1978	1986
Males		
15-24	6	10
25-44	15	15
45-64	47	46
65-74	63	64
Females		
15-24	7	14
25-44	17	20
45-64	49	48
65-74	64	59

77. Experienced health status (%) by age

	Good 1978	1986	Poor 1978	1986
Males				
15-24	88	87	1	1
25-44	72	77	4	3
45-64	31	38	22	12
65-74	16	24	30	19
Females				
15-24	78	87	1	1
25-44	66	78	2	2
45-64	29	37	17	11
65-74	23	23	31	20

SOURCES

1. OSF VI A: Population, Central Statistical Office of Finland (CSOF)
2. Yearbook of Nordic Statistics 1986
3. Finland in Figures 1987, CSOF;
4. OSF VI A:
- 5-7. Statistical Yearbook of the Social Insurance Institution on Finland
8. Health Statistics in Nordic Countries 1985, NOMESCO
- 9-10. Statistical Yearbook of the Social Insurance Institution of Finland
11. CSOF; The Social Insurance Institution
- 12-13. Statistical Yearbook of the Social Insurance Institution of Finland
- 14-15. Cancer Incidence in Finland 1983, Finnish cancer registry
16. National Board of Health
17. The Social Insurance Institution
18. Statistical Yearbook of the Social Insurance Institution of Finland
- 19-21. National Board of Health
22. H. Tala: Strategy of dental caries prevention on Finland according to the health legislation and other legal regulations;
R. M. Frank, S. O'Hickey (ed.): Strategy for dental caries prevention in European countries
23. OSF XI: Health Services, National Board of Health
24. OSF XXVI:37: Industrial Accidents, National Board of Labour Protection
- 25-26. National Board of Health
27. Yearbook of Nordic Statistics 1986
28. OSF VI A: Population, CSOF
- 29-30. OSF V B: Causes of death in Finland, CSOF
31. CSOF
- 32-35. OSF V B: Causes of death in Finland, CSOF
- 36-37. Yearbook of Nordic Statistics 1986
38. World Health Statistics Annual, WHO
- 39-40. OSF V B: Causes of death in Finland, CSOF
41. Health Statistics in Nordic Countries 1985, NOMESCO
42. Finland in Figures, CSOF; Auto ja tie 1985, Suomen tieyhdistys
43. Yearbook of Nordic Statistics 1986

SOURCES

- 44-45. National Board of Health
46. Lääkäriliitto
47. National Board of Health
48. OSF XI: Health Services, National Board of Health
49. Suomen sairaalatilasto 1985, Sairaalaliitto
50. Terveyskeskusten taloustilasto 1985, Kunnallistilastoa
51. Yearbook of Nordic Statistics 1986
52. National Board of Health
53. Suomen sairaalatilasto 1985, Sairaalaliitto
54. National Board of Health
55. OSF XI: Health Services, National Board of Health
56. National Board of Health
57. Terveyttä kaikille vuoteen 2000, Ministry of Social Affairs and Health
58. National Board of Health
59. OSF XI: Health Services, National Board of Health
60. National Board of Health
61. Suomen sairaalatilasto 1985, Sairaalaliitto
62. OSF VI A: Population, CSOF
63. Health Statistics in Nordic Countries 1985, NOMESCO
64. Yearbook of Nordic Statistics 1986
65. National Board of Health
66. Health Statistics in Nordic Countries 1985, NOMESCO
67. National Board of Health
- 68-69. R. Kurkela: Tupakka tupakkalain jälkeen, CSOF, Tutkimuksia no 135
70. J. Simpura (ed.): Suomalaisten juomatavat, Alkoholitutkimussäätiön julkaisuja no 34
71. Yearbook 1970, Oy Alko Ab; Alcohol Statistical Yearbook 1986, Oy Alko Ab
72. Alcohol Statistical Yearbook 1986, Oy Alko Ab
73. Niemi, Kiiski, Liikkanen: Use of Time in Finland, CSOF; Studies no 65
- 75-77. CSOF, Survey on living conditions

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