

Supplementary Material eTable 1 Age-standardised suicide mortality rates by income quintile among Swedish working-age population (30-64 years old)

Cohort	Income quintile	Men				Women					
		Population	Mortality count	Age-standardised mortality rate ^a	95% CI ^b	Population	Mortality count	Age-standardised mortality rate ^a	95% CI ^b		
1990-1993	Total	1 883 651	558	29.9	27.4 32.4	1 836 890	240	13.2	11.5 14.8		
	Q1	376 601	180	48.5	41.3 55.8	365 773	50	14.0	10.0 17.9		
	Q2	375 140	125	34.5	28.4 40.6	367 228	69	18.4	14.1 22.8		
	Q3	377 854	90	24.3	19.2 29.4	367 080	46	13	9.2 16.8		
	Q4	377 091	86	22.3	17.5 27.1	368 545	38	10.5	7.1 13.9		
	Q5	376 965	77	19.5	14.9 24.0	368 264	37	9.8	6.5 13.1		
1991-1994	Total	1 904 072	515	27.1	24.7 29.4	1 854 850	198	10.7	9.2 12.2		
	Q1	379 780	182	49.1	41.8 56.4	370 146	47	13.3	9.5 17.2		
	Q2	380 575	114	30.6	25 36.3	370 679	39	10.5	7.2 13.9		
	Q3	382 063	86	23.1	18.1 28.0	370 556	52	14.5	10.5 18.5		
	Q4	380 799	74	19.8	15.2 24.3	371 716	37	10.7	7.1 14.2		
	Q5	380 855	59	15.5	11.2 19.8	371 753	23	5.4	3.1 7.7		
1992-1995	Total	1 923 096	553	28.8	26.4 31.2	1 870 377	233	12.5	10.9 14.1		
	Q1	384 007	192	50.7	43.4 58.0	373 420	59	16.2	11.9 20.4		
	Q2	384 957	127	33.9	28.0 39.9	373 048	64	17.4	13.1 21.7		
	Q3	384 383	83	21.7	17.0 26.5	374 814	36	9.4	6.3 12.5		
	Q4	385 106	73	19.0	14.6 23.4	373 995	44	11.3	7.9 14.8		
	Q5	384 643	78	19.2	14.7 23.7	375 100	30	7.9	5.0 10.9		

Cohort	Income quintile	Men					Women				
		Population	Mortality count	Age-standardised mortality rate ^a	95% CI ^b		Population	Mortality count	Age-standardised mortality rate ^a	95% CI ^b	
1993-1996	Total	1 946 686	500	25.8	23.5	28.0	1 891 315	211	11.1	9.6	12.7
	Q1	388 422	164	43.4	36.6	50.1	377 906	50	13.9	10.0	17.8
	Q2	389 796	123	32.1	26.4	37.9	378 118	51	13.6	9.9	17.4
	Q3	389 430	78	20.4	15.8	24.9	378 451	41	10.9	7.5	14.3
	Q4	388 826	77	19.7	15.2	24.1	378 553	33	8.9	5.8	12.0
	Q5	390 212	58	13.4	9.8	17.1	378 287	36	10.4	6.8	13.9
1994-1997	Total	1 972 227	516	26.3	24.0	28.5	1 914 880	203	10.7	9.2	12.1
	Q1	393 750	167	44.2	37.4	51.0	382 690	57	15.5	11.4	19.5
	Q2	393 931	145	37.7	31.5	43.9	383 084	47	12.8	9.1	16.5
	Q3	395 356	90	23.2	18.4	28.0	382 458	27	7.1	4.4	9.8
	Q4	394 633	63	15.9	12.0	19.9	382 823	44	11.5	8.0	14.9
	Q5	394 557	51	12.3	8.8	15.8	383 825	28	8.1	5.0	11.2
1995-1998	Total	1 986 804	527	26.7	24.4	29.0	1 930 198	189	9.8	8.4	11.2
	Q1	396 883	184	47.6	40.6	54.6	385 218	47	11.7	8.2	15.1
	Q2	396 650	129	33.8	27.9	39.7	384 992	43	11.2	7.8	14.6
	Q3	397 891	89	22.9	18.1	27.7	386 316	38	9.7	6.6	12.8
	Q4	397 347	67	17.0	12.9	21.1	387 398	29	7.7	4.8	10.5
	Q5	398 033	58	13.6	9.8	17.3	386 274	32	8.2	5.3	11.0
1996-1999	Total	1 997 460	490	24.6	22.4	26.7	1 940 194	204	10.5	9.0	11.9
	Q1	399 439	188	47.9	41	54.8	386 724	43	11.5	8.0	15.0

Cohort	Income quintile	Men				Women			
		Population	Mortality count	Age-standardised mortality rate ^a	95% CI ^b	Population	Mortality count	Age-standardised mortality rate ^a	95% CI ^b
	Q2	399 128	111	28.7	23.3 34.1	387 400	51	13.9	10.1 17.7
	Q3	398 329	83	21.2	16.7 25.8	388 615	45	11.6	8.2 15.0
	Q4	401 015	58	14.3	10.6 18.0	389 414	33	8.4	5.5 11.3
	Q5	399 549	50	11.3	8.1 14.5	388 041	32	8.5	5.4 11.6
1997-2000	Total	2 008 500	436	21.7	19.7 23.7	1 952 129	184	9.4	8.0 10.8
	Q1	401 072	157	39.9	33.6 46.2	390 227	46	12.3	8.7 15.9
	Q2	401 527	86	21.6	17 26.3	389 124	53	14.1	10.3 17.9
	Q3	401 422	64	16.2	12.2 20.2	390 368	33	8.5	5.6 11.4
	Q4	402 636	73	18.1	13.9 22.2	391 809	28	7.4	4.6 10.2
	Q5	401 843	56	14.0	9.9 18.1	390 601	24	6.1	3.6 8.6
1998-2001	Total	2 022 253	469	23.2	21.1 25.3	1 964 837	223	11.3	9.8 12.8
	Q1	403 565	165	41.3	34.9 47.6	392 130	61	16.0	11.9 20.1
	Q2	405 146	107	27.0	21.9 32.2	392 548	55	14.1	10.4 17.9
	Q3	403 173	82	20.6	16.1 25.0	392 795	51	13.3	9.6 16.9
	Q4	405 868	65	16.0	12.1 19.9	393 904	33	8.5	5.6 11.4
	Q5	404 501	50	11.8	8.4 15.2	393 460	23	5.4	3.2 7.6
1999-2002	Total	2 033 105	500	24.5	22.4 26.7	1 976 057	181	9.1	7.8 10.4
	Q1	405 917	177	44.0	37.5 50.6	394 418	52	13.2	9.5 16.9
	Q2	407 176	127	31.7	26.2 37.3	394 044	45	11.3	8.0 14.6
	Q3	405 740	75	18.6	14.4 22.8	395 498	29	7.4	4.7 10.2

Cohort	Income quintile	Men				Women					
		Population	Mortality count	Age-standardised mortality rate ^a	95% CI ^b		Population	Mortality count	Age-standardised mortality rate ^a	95% CI ^b	
2000-2003	Q4	407 014	65	15.7	11.8	19.5	396 270	19	4.9	2.7	7.1
	Q5	407 258	56	13.2	9.6	16.7	395 827	36	8.8	5.9	11.7
	Total	2 042 689	446	21.8	19.7	23.8	1 985 536	176	8.8	7.5	10.2
	Q1	407 774	175	44.0	37.5	50.6	396 406	58	14.1	10.3	17.9
	Q2	408 799	98	23.9	19.1	28.6	397 216	37	9.4	6.4	12.5
	Q3	408 548	66	16.1	12.2	20.0	396 217	37	9.4	6.4	12.5
	Q4	408 983	52	12.5	9.1	15.8	398 501	24	6.4	3.8	8.9
2001-2004	Q5	408 585	55	13.0	9.5	16.6	397 196	20	4.9	2.7	7.1
	Total	2 050 955	473	23.0	20.9	25.0	1 993 991	174	8.6	7.3	9.9
	Q1	409 498	169	42.2	35.8	48.6	397 944	48	12.6	8.9	16.2
	Q2	409 508	116	28.9	23.6	34.2	399 592	43	10.2	7.1	13.3
	Q3	411 174	89	21.8	17.3	26.3	398 583	28	7.0	4.4	9.6
	Q4	410 229	59	14.3	10.6	17.9	399 044	27	6.5	4.0	9.0
	Q5	410 546	40	8.8	5.9	11.7	398 828	28	6.6	4.1	9.1
2002-2005	Total	2 048 096	473	23.1	21.0	25.2	1 992 640	216	10.8	9.3	12.2
	Q1	409 185	146	36.4	30.4	42.3	398 488	76	20.4	15.6	25.2
	Q2	409 378	116	28.7	23.4	34.0	397 585	49	12.6	9.0	16.2
	Q3	409 238	96	23.6	18.9	28.4	398 968	34	8.5	5.6	11.4
	Q4	410 402	64	15.7	11.8	19.6	399 067	32	8.1	5.3	11.0
	Q5	409 893	51	11.5	8.2	14.7	398 532	25	6.1	3.6	8.5

Cohort	Income quintile	Men				Women			
		Population	Mortality count	Age-standardised mortality rate ^a	95% CI ^b	Population	Mortality count	Age-standardised mortality rate ^a	95% CI ^b
2003-2006	Total	2 038 952	461	22.6	20.6 24.7	1 985 061	212	10.7	9.3 12.2
	Q1	407 441	187	46.8	40.1 53.6	396 992	77	20.6	15.8 25.3
	Q2	407 201	101	25.3	20.3 30.3	396 801	47	12.1	8.6 15.6
	Q3	408 235	69	17.0	12.9 21.0	397 239	32	7.8	5.1 10.6
	Q4	408 159	56	13.6	10.0 17.2	396 237	31	7.9	5.1 10.7
	Q5	407 916	48	11.2	7.9 14.5	397 792	25	6.4	3.7 9.1
2004-2007	Total	2 022 279	449	22.3	20.2 24.4	1 970 943	184	9.1	7.8 10.5
	Q1	403 759	183	46.7	39.9 53.6	393 782	63	16.6	12.3 20.9
	Q2	405 003	100	25.6	20.5 30.6	393 914	47	11.7	8.3 15.1
	Q3	404 291	77	19.2	14.9 23.5	393 373	27	6.7	4.2 9.3
	Q4	404 470	53	12.8	9.3 16.3	395 217	27	6.8	4.2 9.5
	Q5	404 756	36	8.6	5.5 11.7	394 657	20	5.1	2.7 7.4

^a: per 100,000 population

^b: Confidence Intervals

Supplementary Material eTable 2 Multiple disparity measures of age-standardised suicide mortality rates by income quintile: Swedish working-age population (30-64 years old), 1990-2004

		1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	Trend	p-values
MEN																		
<u>ABSOLUTE MEASURES</u>																		
Slope index of inequality	Est.	35.1	39.0	38.9	36.2	42.8	42.4	43.8	27.6	35.0	38.8	36.7	40.7	31.4	41.4	44.5	0.024	0.925
	SE	4.8	4.7	4.7	4.3	4.4	4.5	4.2	4.1	4.0	4.1	4.0	4.0	4.0	3.8	4.2	4.2	
Rate difference (income Q1-Q5)	Est.	29.0	33.6	31.5	30.0	31.9	34.0	36.6	25.9	29.5	30.8	31.0	33.4	24.9	35.6	38.1	0.061	0.742
	SE	16.7	16.5	16.7	15.0	15.1	15.6	14.8	14.7	13.9	14.4	14.4	13.9	13.2	14.9	14.8		
Rate difference (Q2-Q5)	Est.	15.0	15.1	14.7	18.7	25.4	20.2	17.4	7.6	15.2	18.5	10.9	20.1	17.2	14.1	17.0	-0.114	0.608
	SE	14.8	14.0	14.5	13.3	14.1	13.6	12.1	12.3	11.9	12.8	11.5	11.9	12.3	11.6	11.7		
Range difference	Est.	29.0	33.6	31.7	30.0	31.9	34.0	36.6	25.9	29.5	30.8	31.5	33.4	24.9	35.6	38.1	0.067	0.724
	SE	4.4	4.3	4.3	3.9	3.9	4.1	3.8	3.8	3.6	3.8	3.7	3.6	3.4	3.9	3.8		
Between-group variance	Est.	112.9	139.5	148.7	113.8	152.6	153.3	170.9	86.6	106.0	134.3	138.6	136.3	79.6	166.9	178.5	-0.753	0.659
	SE	31.6	35.0	36.0	28.0	31.8	34.0	35.2	24.8	25.6	29.5	31.1	28.3	20.0	35.8	36.1		
Absolute concentration index	Est.	5.6	6.2	6.2	5.8	6.8	6.8	7.0	4.4	5.6	6.2	5.9	6.5	5.0	6.6	7.1	0.004	0.925
	SE	0.8	0.7	0.8	0.7	0.7	0.7	0.7	0.7	0.6	0.7	0.6	0.6	0.6	0.7	0.7		
<u>RELATIVE MEASURES</u>																		
Relative index of inequality	Est.	1.18	1.41	1.35	1.40	1.61	1.57	1.78	1.26	1.50	1.57	1.68	1.75	1.36	1.82	1.97	0.030	0.002
	SE	0.15	0.16	0.15	0.15	0.15	0.15	0.15	0.18	0.16	0.15	0.17	0.15	0.15	0.16	0.16		
Rate ratio (income Q1/Q5)	Est.	2.49	3.17	2.64	3.24	3.59	3.50	4.24	2.85	3.50	3.33	3.39	4.80	3.17	4.18	5.43	0.091	0.001
	SE	1.36	1.99	1.44	2.05	2.34	2.17	2.64	1.90	2.24	2.02	2.08	3.53	2.10	2.77	4.29		
Rate ratio (income Q2/Q5)	Est.	1.77	1.97	1.77	2.40	3.07	2.49	2.54	1.54	2.29	2.40	1.84	3.28	2.50	2.26	2.98	0.040	0.066
	SE	1.02	1.32	1.02	1.58	2.03	1.61	1.69	1.13	1.55	1.52	1.23	2.51	1.71	1.61	2.49		
Range ratio	Est.	2.49	3.17	2.67	3.24	3.59	3.50	4.24	2.85	3.50	3.33	3.52	4.80	3.17	4.18	5.43	0.093	<0.001
	SE	0.35	0.51	0.37	0.52	0.60	0.56	0.68	0.48	0.57	0.52	0.55	0.90	0.54	0.71	1.09		
Index of disparity	Est.	66.2	97.7	65.1	115.7	145.9	123.0	148.0	71.1	122.2	108.3	94.0	204.5	127.0	129.2	203.2	4.675	0.004
	SE	21.0	29.6	20.6	32.3	37.8	32.8	37.0	27.1	33.8	30.1	28.1	54.0	35.3	36.6	58.4		
Mean log deviation	Est.	0.0576	0.0822	0.0786	0.0842	0.1154	0.1036	0.1331	0.0734	0.0936	0.1049	0.1209	0.1395	0.0816	0.1387	0.1685	0.004	0.002
	SE	0.0145	0.0188	0.0170	0.0193	0.0227	0.0210	0.0239	0.0187	0.0206	0.0208	0.0232	0.0272	0.0200	0.0254	0.0309		
Theil index	Est.	0.0596	0.0847	0.0821	0.0830	0.1084	0.1017	0.1317	0.0795	0.0929	0.1051	0.1282	0.1275	0.0760	0.1441	0.1635	0.004	0.004
	SE	0.0150	0.0188	0.0176	0.0182	0.0198	0.0196	0.0225	0.0203	0.0196	0.0201	0.0242	0.0224	0.0173	0.0255	0.0272		
Relative concentration index	Est.	0.1883	0.2258	0.2156	0.2245	0.2569	0.2515	0.2841	0.2013	0.2399	0.2519	0.2680	0.2807	0.2168	0.2911	0.3153	0.005	0.002
	SE	0.0241	0.0253	0.0245	0.0248	0.0232	0.0238	0.0236	0.0289	0.0249	0.0241	0.0266	0.0240	0.0245	0.0258	0.0254		

		1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	Trend	p-values
WOMEN																		
ABSOLUTE MEASURES																		
Slope index of inequality	Est.	8.2	7.8	11.3	5.8	8.1	5.2	5.8	9.5	13.4	7.6	10.7	7.8	16.5	16.3	13.9	0.512	0.005
	SE	3.0	2.6	3.0	3.0	2.9	2.6	2.7	2.5	2.7	2.6	2.4	2.5	3.0	3.0	2.7		
Rate difference (income Q1-Q5)	Est.	4.2	7.9	8.3	3.5	7.4	3.5	3.0	6.2	10.6	4.4	9.2	6.0	14.3	14.2	11.5	0.474	0.008
	SE	10.1	9.0	10.2	10.3	10.1	9.0	9.3	8.5	9.1	9.3	8.4	8.8	10.5	10.7	9.6		
Rate difference (Q2-Q5)	Est.	8.6	5.1	9.5	3.2	4.7	3.0	5.4	8.0	8.7	2.5	4.5	3.6	6.5	5.7	6.6	-0.057	0.575
	SE	10.7	8.0	10.2	10.1	9.5	8.7	9.8	8.8	8.4	8.7	7.5	7.9	8.5	8.8	8.0		
Range difference	Est.	8.6	9.1	9.5	5.0	8.4	4.0	5.5	8.0	10.6	8.3	9.2	6.1	14.3	14.2	11.5	0.328	0.035
	SE	2.8	2.3	2.7	2.6	2.5	2.3	2.5	2.3	2.4	2.2	2.2	2.3	2.7	2.8	2.5		
Between-group variance	Est.	9.3	9.8	14.0	3.7	9.5	2.5	4.4	9.2	15.3	8.5	9.9	5.9	25.9	26.9	17.9	0.563	0.116
	SE	5.9	4.7	6.8	3.6	5.3	2.8	3.7	4.8	5.8	4.3	4.8	3.9	9.8	10.1	7.3		
Absolute concentration index	Est.	1.3	1.2	1.8	0.9	1.3	0.8	0.9	1.5	2.1	1.2	1.7	1.3	2.6	2.6	2.2	0.082	0.005
	SE	0.5	0.4	0.5	0.5	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.4		
RELATIVE MEASURES																		
Relative index of inequality	Est.	0.62	0.72	0.91	0.51	0.73	0.54	0.53	0.99	1.17	0.83	1.21	0.91	1.49	1.49	1.49	-0.023 (slope 1)	0.613 (slope 1)
	SE	0.22	0.24	0.23	0.26	0.26	0.27	0.25	0.25	0.22	0.28	0.26	0.28	0.25	0.25	0.26	0.102 (slope 2)	<0.001 (slope 2)
Rate ratio (income Q1/Q5)	Est.	1.43	2.46	2.05	1.34	1.91	1.43	1.35	2.02	2.96	1.50	2.88	1.91	3.34	3.22	3.26	0.080	0.013
	SE	1.27	2.66	1.90	1.19	1.83	1.36	1.32	2.09	2.86	1.33	3.02	1.89	3.25	3.19	3.54		
Rate ratio (income Q2/Q5)	Est.	1.88	1.94	2.20	1.31	1.58	1.37	1.64	2.31	2.61	1.28	1.92	1.55	2.07	1.89	2.29	0.013	0.516
	SE	1.56	2.16	2.00	1.15	1.56	1.29	1.54	2.33	2.54	1.16	2.18	1.56	2.12	2.01	2.56		
Range ratio	Est.	1.88	2.69	2.20	1.56	2.18	1.52	1.65	2.31	2.96	2.69	2.88	1.94	3.34	3.22	3.25	0.079	0.017
	SE	0.40	0.70	0.50	0.36	0.52	0.38	0.38	0.58	0.72	0.72	0.75	0.49	0.81	0.80	0.88		
Index of disparity	Est.	42.6	126.9	71.8	37.1	68.7	32.5	35.4	73.4	140.3	107.7	100.5	40.0	103.3	89.1	104.9	2.677	0.137
	SE	26.7	53.3	34.9	26.8	35.7	28.0	26.4	39.4	51.9	49.5	47.9	30.4	45.9	43.7	50.9		
Mean log deviation	Est.	0.0257	0.0530	0.0462	0.0141	0.0410	0.0135	0.0190	0.0489	0.0723	0.0564	0.0647	0.0372	0.0927	0.0951	0.0951	-0.004 (slope 1)	0.340 (slope 1)
	SE	0.0147	0.0252	0.0210	0.0119	0.0213	0.0126	0.0143	0.0237	0.0268	0.0265	0.0282	0.0214	0.0307	0.0311	0.0341	0.008 (slope 2)	0.002 (slope 2)
Theil index	Est.	0.0261	0.0460	0.0452	0.0139	0.0396	0.0134	0.0188	0.0483	0.0636	0.0526	0.0629	0.0383	0.0959	0.1007	0.0962	-0.004 (slope 1)	0.275 (slope 1)
	SE	0.0149	0.0199	0.0199	0.0116	0.0199	0.0123	0.0140	0.0228	0.0216	0.0234	0.0264	0.0221	0.0312	0.0325	0.0335	0.009 (slope 2)	<0.001 (slope 2)
Relative concentration index	Est.	0.0994	0.1149	0.1460	0.0811	0.1171	0.0866	0.0855	0.1579	0.1872	0.1332	0.1937	0.1463	0.2377	0.2380	0.2380	-0.004 (slope 1)	0.613 (slope 1)
	SE	0.0357	0.0378	0.0374	0.0409	0.0422	0.0425	0.0398	0.0401	0.0345	0.0447	0.0413	0.0452	0.0392	0.0405	0.0423	0.016 (slope 2)	<0.001 (slope 2)

Est., estimation; SE, standard error. See HD*Calc website for the interpretations of these measures: <http://seer.cancer.gov/hdcalc/measures.html>.

Values in trend and p-value columns were obtained from the joinpoint analysis, and (slope 1) and (slope 2) indicate the first and the second segments of slopes. Trends for the mean log deviation, the Theil index, the relative concentration index and the relative index of inequality in women changed at 1995.