

## Appendix 1

### Map of Swedish Provinces (*län*)



**Appendix 2.** Socio-economic differences in infant mortality in a number of Swedish historical studies.

Source	Place	Time period	Type of area	Relatively higher infant mortality*	Other comments
Bengtsson, T	Västanfors Västmanland	1750-1849	Rural industrial	Same	Ca 4.000 children
Sundin/Tedebrand	Lögdö foundry Västernorrland	1774-1793	Rural industrial	Lower	374 children
Winberg	Dala	1776-1830	Rural	Upper	2.414 children
Ahlberger/Winberg	Örby Västergötland	1792-1850	Rural	Same	
Martinus	Cohort from 17 parishes Skaraborg	1810-12	Rural	Lower	552 children.
Brändström	Svinnegarn Uppsala	1803-44	Rural	Lower	1.422 children
Brändström	Tanum Bohuslän	1800-1870	Rural	Lower	4.139 children
Brändström	Fleninge Malmöhus	1820-1889	Rural	Upper	2.019 children
Brändström	Trosa Stockholm	1820-94	Rural	Varying	1.870 children
Brändström	Nedertorneå Norrbotten	1820-94	Rural (small urban part)	Upper	7.850 children.
Edvinsson	Nora, Skog, Bjärtrå Västernorrland	1812-21, 1845-54	Rural	Varying	2.350 children
Edvinsson	Revsund, Sundsjö, Bodsjö, Bräcke Jämtland	1810-19, 1845-54	Rural	Lower	1.350 children
Sundin/Tedebrand	Foundries Västernorrland	1830-35	Rural industrial	Varying	409 children

Source	Place	Time period	Type of area	Relatively higher infant mortality*	Other comments
Sundin/Tedebrand	Nordaningrä Västernorrland	1830-35 1810-49	Rural	Varying	810 children (1830-35) Ca 3000 children (1810-49)
Eriksson/Rogers	Åsunda Uppland	1825-1845?	Rural	Lower	805 children
Eriksson/Rogers	Åsunda Uppland	1855-1905	Rural	Upper	902 children
Fridlizius	40 parishes Malmöhus and Kristianstad	1821-1860	Rural	Same	
Lynch/Greenhouse	14 parishes Västernorrland	19 <sup>th</sup> century	Rural and rural industrial	Varying, farmers higher	20,626 children
Norberg	Ahnö Västernorrland	1840-1909	Rural industrial	Varying	8,175 children
Brändström	Västervik Kalmar	1781-1861	Urban	Lower	4,990 children
Hörsell	Eskilstuna Södermanland	1811-15	Urban	Lower	339 children
Bengtsson, M	Linköping Östergötland	1797-1810	Urban	Lower	1,251 children.
Bengtsson, M	Linköping Östergötland	1840-49	Urban	Lower	1,432 children
Bengtsson, M	Linköping Östergötland	1870-75	Urban	Lower	1,270 children,
Edvinsson	Sundsvall Västernorrland	1803-92	Urban	Lower	9,694 children
Nilsson	Linköping Östergötland	1860-94	Urban	Lower	8,263 children.
Burström/Bernhardt	Maria, Stockholm	1885-1910	Urban	Lower	36,718 children<15 years
Bernhardt	Stockholm	1895-1920	Urban	Same, craftsmen higher	4,123 children<5 years.

- \* Upper = infant mortality is higher among the higher social strata
- Lower = infant mortality is higher among the lower strata
- Same = the differences in infant mortality are small or non-existent
- Varying = there is no clear relationship between the social hierarchy and different levels of infant mortality.

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**Note:** The table summarizes the results from various historical studies that provide information on social class differences in infant mortality. It should be kept in mind that the studies vary considerably in their aims as well as their methodology. Some treat social inequality directly while others only consider differences in socio-economic status as background variables. Factors such as the size of the populations under study, the techniques used for measuring infant mortality, and differing social classification schemes all limit direct comparisons. Although the table only provides a rough overview of social class differences in infant mortality, it does reveal that there is a great deal of variation.

Appendix 3: Infant mortality in selected Norwegian parishes, ca. 1801, with some data on number of baptisms and burials.

Parish number	Province	Parish	Born 1799-1803	Dead 1799-1803	IMR	Period and sources
0120	Smaalehnene	Mosse			220,0	1800-1825 Jannecke Lahn
0201	Aggershuus	Agger			264,0	1791-1800 Sølvi Søgner
0203	Aggershuus	Ascher	686	657	204,1	Eli Fure
0204	Aggershuus	Næsodden	103	81	155,3	Bente Nordbø
0216	Aggershuus	Ullensager	609	596	207,1	1790-1809 Halvorsen / Indseth
0221	Christiania	Christiania			242,0	1791-1800 (Vår Frelses) Sølvi Søgner
0301	Hedemarken	Stange	499	503	188,4	DA
0314	Hedemarken	Reindahlen			126,0	1781-1828 Sølvi Søgner
0404	Christians	Faaberg	539	384	181,8	DA
0407	Christians	Ringebøe	415	304	144,6	
0411	Christians	Lessoë	563	305	101,2	Arnfinn Kelland
0416	Christians	Slide	513	396	212,5	DA
0507	Buskerud	Eger			211,0	1791-1801 Dag Kristoffersen
0512	Buskerud	Sandsvær			179,0	1791-1801 Dag Kristoffersen
0513	Buskerud	Flesberg			165,0	1791-1801 Dag Kristoffersen
0517	Buskerud	Kongsberg			219,0	1791-1801 Dag Kristoffersen
0604	Jarlsherg Og Larvik	Sandø	237	201	97,0	DA
0605	Jarlsherg Og Larvik	Hoff			213,0	1791-1801
0606	Jarlsherg Og Larvik	Laundahl	70	19	181,0	1791-1801 Dag Kristoffersen
0614	Jarlsherg Og Larvik	Anneboe	205	145	112,2	
0615	Jarlsherg Og Larvik	Sandeherred	416	303	187,5	
0708	Bratsberg	Boe			183,6	1770-89 Hege Brit Randsborg
0909	Listers Og Mandahl	Lyngdahl	1192	900	189,6	1790-1800 Oddleif Lian
1012	Stavanger	Augvaldsnæs	1261	1047	215,9	1791-1800 Sven Gabrielsen Øygarden
1015	Stavanger	Høyland	89	15	169,0	Sandnes 1801-11 Olav Tysdal
1101	Søndre Bergenhus	Erne			220,0	1795-1804 Ståle Dyrvik
1107	Søndre Bergenhus	Ous			205,0	1770-1801 Jan Oldervoll
1108	Søndre Bergenhus	Quindherred	372	260	102,2	DA
1117	Søndre Bergenhus	Manger	537	282	108,0	DA

Parish number	Province	Parish	Born 1799-1803	Dead 1799-1803	Dead <1 1799-1803	IMR	Period and sources
1118	Søndre Bergenhus	Lindaas				229,0	1790-99 Erik Thomassen
1120	Søndre Bergenhus	Voss				155,0	1790-99 c/o Ståle Dryvik (1978)
1121	Bergen		2743	2633	521	189,9	DA
1247	Søndre Bergenhus	Askøy	257	215	60	233,5	DA
1204	Nordre Bergenhus	Hafsløe	291	313	76	261,2	DA FASF only to 1799
1205	Nordre Bergenhus	Sognsdahl	400	268	65	162,5	FASF
1207	Nordre Bergenhus	Lesanger	486	374	70	144,0	FASF
1208	Nordre Bergenhus	Wig	437	372	74	169,3	FASF
1211	Nordre Bergenhus	Ytre Holmedahl (Fjaler)	461	256	71	154,0	FASF
1212	Nordre Bergenhus	Indre Holmedahl (Gaulat)	343	254	80	233,2	FASF
1213	Nordre Bergenhus	Førde	477	331	76	159,3	DA
1217	Nordre Bergenhus	Indvig	566	313	80	141,3	DA
1219	Nordre Bergenhus	Davik	253	195	44	173,9	FASF
1220	Nordre Bergenhus	Sæløe	296	223	72	243,2	FASF
1309	Romsdal	Borgen	441	543	102	231,3	Armfinn Kjelland
1312	Romsdal	Nessæt				186,0	1791-1800 Bjame Skorgen
1323	Romsdal	Edøe	284	290	62	218,3	
1401	Trondhjem	Strindén	150	109	30	200,0	
1402	Trondhjem	Klaøbo	148	85	24	162,2	
1411	Trondhjem	Opdahl	368	340	78	212,0	DA
1512	Nordre Trondhjem	Overhaugen				145,0	1790-99 Torkel Christiansen
1607	Nordland	Rødøe	120	134	12	100,0	
1616	Nordland	Ofoten	221	204	27	122,2	Sofrid Fagertun, RHD
1708	Finnmarken	Lenvigs	222	210	44	198,2	
1711	Finnmarken	Lyngens				205,0	1791-1800 Asbjørn Lanes
1713	Finnmarken	Altens Talvig	309			174,0	1791-1800 Henry Minde
1718	Finnmarken	Kielleford	126	135	16	127,0	

**Sources:** Abbreviations: DA: The Digital Archive; FASF: The Province Archive of Sogn and Fjordane; No source listed: The Norwegian Historical Data Archive. All figures are based on microdata counted by the persons listed, or by myself from digital or manual registers. The period is 1799-1803 except where explicitly mentioned. I am grateful to all who have provided me with data for this list.

## Appendix 4

Complete output of the four analyses of infant mortality (tables A-D). Survival analysis with Cox regression method.

**Table A.** Radical censoring, the social class variable excluded. N=14,793: 13,386 censored and 1,407 dead.

Name of variable	Parameter estimate	Standard error	Wald Chi-Square	P-value > Chi-Square	Risk Ratio
Male	0.1542	0.0536	8.2873	0.0040	1.17
Out of wedlock	0.6631	0.0801	68.4935	0.0001	1.94
Year of birth	-0.0090	0.0014	39.8812	0.0001	0.99
Foundry	-0.0595	0.1087	0.2994	0.5843	0.94
Sandvika	0.2026	0.1714	1.3987	0.2370	1.23

**Table B.** Radical censoring, the social class variable included. N=14,087: 12,846 censored, and 1,241 dead

Name of variable	Parameter estimate	Standard error	Wald Chi-Square	P-value > Chi-Square	Risk Ratio
Male	0.1450	0.0570	6.4723	0.0110	1.16
Out of wedlock	0.5296	0.1015	27.2493	0.0001	1.70
Year of birth	-0.0102	0.0015	44.8234	0.0001	0.99
Foundry	-0.1149	0.1167	0.9700	0.3247	0.89
Sandvika	0.1010	0.1917	0.2779	0.5981	1.11
High soc. class	-0.0632	0.0695	0.8275	0.3630	0.94

**Table C.** Conservative censoring, the social class variable excluded. N=12,896: 11,749 censored, 1,147 dead.

Name of variable	Parameter estimate	Standard error	Wald Chi-Square	P-value > Chi-Square	Risk Ratio
Male	0.1378	0.0593	5.4078	0.0200	1.15
Out of wedlock	0.3803	0.1078	12.4532	0.0004	1.46
Year of birth	-0.0090	0.0017	29.5054	0.0001	0.99
Foundry	-0.0573	0.1190	0.2319	0.6302	0.94
Sandvika	0.0990	0.2024	0.2397	0.6244	1.10

**Table D.** Conservative censoring, the social class variable included. N=12,501: 11,385 censored, 1,116 dead.

Name of variable	Parameter estimate	Standard error	Wald Chi-Square	P-value > Chi-Square	Risk Ratio
Male	0.1467	0.0601	5.9555	0.0147	1.16
Out of wedlock	0.4582	0.1185	14.9624	0.0001	1.58
Year of birth	-0.0089	0.0017	27.9575	0.0001	0.99
Foundry	-0.0828	0.1215	0.4642	0.4957	0.92
Sandvika	0.1291	0.2029	0.4049	0.5246	1.14
High soc. class	-0.0287	0.0720	0.1585	0.6905	0.97

**Sources:** See note 8.

## Appendix 5

### *Publications within the Framework of the NOS-H project*

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