

Appendix 21 Results of the Cox proportional hazard model analyses of stroke mortality - straight-line distance quintiles for male persons 65 and older under models 1 to 3 for the four different hospital types

| Straight-line distance | Model 1 | | Model 2 | | Model 3 | |
|-------------------------------|--------------|-------------------|--------------|-------------------|--------------|----------------|
| | Hazard ratio | 95% CI | Hazard ratio | 95% CI | Hazard ratio | 95% CI |
| Acute hospital | | p<0.001 | | p=0.120 | | p=0.377 |
| Lowest quintile | 1 | | 1 | | 1 | |
| Second quintile | 1.069 | 0.999 - 1.143 | 1.052 | 0.983 - 1.126 | 1.050 | 0.981 - 1.124 |
| Third quintile | 1.098 | 1.025 - 1.177 | 1.064 | 0.993 - 1.140 | 1.061 | 0.987 - 1.141 |
| Fourth quintile | 1.140 | 1.064 - 1.222 | 1.089 | 1.015 - 1.169 | 1.078 | 0.997 - 1.165 |
| Highest quintile | 1.147 | 1.072 - 1.227 | 1.083 | 1.011 - 1.160 | 1.050 | 0.969 - 1.138 |
| Acute hospital with ER | | p<0.001 | | p=0.023 | | p=0.095 |
| Lowest quintile | 1 | | 1 | | 1 | |
| Second quintile | 1.042 | 0.974 - 1.115 | 1.033 | 0.965 - 1.105 | 1.031 | 0.963 - 1.103 |
| Third quintile | 1.030 | 0.961 - 1.104 | 1.009 | 0.941 - 1.081 | 1.005 | 0.934 - 1.081 |
| Fourth quintile | 1.158 | 1.081 - 1.241 | 1.111 | 1.037 - 1.191 | 1.097 | 1.016 - 1.184 |
| Highest quintile | 1.107 | 1.035 - 1.184 | 1.059 | 0.989 - 1.134 | 1.024 | 0.947 - 1.107 |
| Central hospital | | p<0.001 | | p<0.001 | | p=0.005 |
| Lowest quintile | 1 | | 1 | | 1 | |
| Second quintile | 1.031 | 0.961 - 1.106 | 1.003 | 0.934 - 1.076 | 1.005 | 0.930 - 1.086 |
| Third quintile | 1.107 | 1.032 - 1.188 | 1.061 | 0.988 - 1.140 | 1.053 | 0.972 - 1.141 |
| Fourth quintile | 1.148 | 1.072 - 1.228 | 1.116 | 1.041 - 1.196 | 1.103 | 1.021 - 1.191 |
| Highest quintile | 1.171 | 1.096 - 1.251 | 1.155 | 1.079 - 1.236 | 1.128 | 1.044 - 1.219 |
| University hospital | | p<0.001 | | p=0.001 | | p=0.076 |
| Lowest quintile | 1 | | 1 | | 1 | |
| Second quintile | 1.074 | 1.000 - 1.154 | 1.041 | 0.968 - 1.119 | 1.039 | 0.960 - 1.125 |
| Third quintile | 1.187 | 1.109 - 1.271 | 1.136 | 1.060 - 1.217 | 1.109 | 1.031 - 1.193 |
| Fourth quintile | 1.173 | 1.096 - 1.254 | 1.118 | 1.044 - 1.197 | 1.081 | 1.002 - 1.166 |
| Highest quintile | 1.111 | 1.039 - 1.189 | 1.115 | 1.036 - 1.201 | 1.066 | 0.984 - 1.156 |