Supplement of

Natural hazard fatalities in Switzerland from 1946 to 2015

Alexandre Badoux et al.

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Supplementary Material

Table S1: The selected keywords for the newspaper search (translated from German). The keywords are combined with “OR”. Three searches were conducted individually (A, B, C). Similar words (e.g. different verb forms or endings) were considered automatically by the search engine. Including “storm” in the search A would have given too many hits, therefore we had to combine it with the words “wind” or “thunderstorm” to reduce the amount of hits (B).

<table>
<thead>
<tr>
<th>A</th>
<th>German</th>
<th>Translation in English</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unwetterschäden</td>
<td>(damage caused by storm)</td>
<td></td>
</tr>
<tr>
<td>heftige Regen</td>
<td>heavy rainfall</td>
<td></td>
</tr>
<tr>
<td>Gletscherabruch</td>
<td>glacial ice avalanche</td>
<td></td>
</tr>
<tr>
<td>Eislawine</td>
<td>ice avalanche</td>
<td></td>
</tr>
<tr>
<td>Hochwasser</td>
<td>flood</td>
<td></td>
</tr>
<tr>
<td>Überschwemmung</td>
<td>inundation</td>
<td></td>
</tr>
<tr>
<td>Überflutung</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Erdrutsch</td>
<td>landslide</td>
<td></td>
</tr>
<tr>
<td>Rutschung</td>
<td>landslip</td>
<td></td>
</tr>
<tr>
<td>Erdlawine</td>
<td>mudslide</td>
<td></td>
</tr>
<tr>
<td>Schlammlawine</td>
<td>mudflow</td>
<td></td>
</tr>
<tr>
<td>Felssturz</td>
<td>rockfall</td>
<td></td>
</tr>
<tr>
<td>Steinschlag</td>
<td>rockslide</td>
<td></td>
</tr>
<tr>
<td>Bergsturz</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Unwetter</td>
<td>storm</td>
<td></td>
</tr>
<tr>
<td>AND</td>
<td>(dead casualty, fatality to perish)</td>
<td></td>
</tr>
<tr>
<td>Todesopfer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&quot;ums Leben&quot;</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tod</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Menschenleben</td>
<td>human life</td>
<td></td>
</tr>
<tr>
<td>ertrunken</td>
<td>drowned</td>
<td></td>
</tr>
<tr>
<td>getötet</td>
<td>killed</td>
<td></td>
</tr>
<tr>
<td>Leiche verschüttet)</td>
<td>dead body buried</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>B</th>
<th>German</th>
<th>Translation in English</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sturm</td>
<td>storm</td>
<td></td>
</tr>
<tr>
<td>AND</td>
<td>(&quot;wind&quot; thunderstorm)</td>
<td></td>
</tr>
<tr>
<td>Gewitter)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>AND</td>
<td>(dead casualty, fatality to perish)</td>
<td></td>
</tr>
<tr>
<td>Todesopfer</td>
<td></td>
<td></td>
</tr>
<tr>
<td>&quot;ums Leben&quot;</td>
<td></td>
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<tr>
<td>Tod</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Menschenleben</td>
<td>human life</td>
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<tr>
<td>ertrunken</td>
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<tr>
<td>getötet</td>
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<td></td>
</tr>
<tr>
<td>Leiche verschüttet)</td>
<td>dead body buried</td>
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<table>
<thead>
<tr>
<th>C</th>
<th>German</th>
<th>Translation in English</th>
</tr>
</thead>
<tbody>
<tr>
<td>(Blitz</td>
<td>(Lightning</td>
<td></td>
</tr>
<tr>
<td>Blitzschlag</td>
<td>Lightning stroke/ strike</td>
<td></td>
</tr>
<tr>
<td>Blitzschläge</td>
<td>Lightning strokes/ strikes</td>
<td></td>
</tr>
<tr>
<td>Blitzeinschlag</td>
<td>Lightning stroke/ strike</td>
<td></td>
</tr>
<tr>
<td>Blitzeinschläge)</td>
<td>Lightning strokes/ strikes</td>
<td></td>
</tr>
<tr>
<td>AND</td>
<td>(dead</td>
<td></td>
</tr>
<tr>
<td>(tot</td>
<td></td>
<td></td>
</tr>
<tr>
<td>tödlich</td>
<td>deadly / fatal</td>
<td></td>
</tr>
<tr>
<td>Todesfall</td>
<td>event of death</td>
<td></td>
</tr>
<tr>
<td>erschlagen</td>
<td>struck dead</td>
<td></td>
</tr>
<tr>
<td>getötet</td>
<td>killed</td>
<td></td>
</tr>
<tr>
<td>&quot;ums Leben&quot; getroffen</td>
<td>to perish</td>
<td></td>
</tr>
<tr>
<td>Todesopfer)</td>
<td>hit / struck</td>
<td></td>
</tr>
<tr>
<td>casualty, fatality)</td>
<td>casualty, fatality)</td>
<td></td>
</tr>
<tr>
<td>Process type</td>
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<tr>
<td>--------------</td>
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<tr>
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<tr>
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<tr>
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<tr>
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<tr>
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<tr>
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<td>[%]</td>
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<tr>
<td>Lightning</td>
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<td>4</td>
</tr>
<tr>
<td></td>
<td>[%]</td>
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<tr>
<td>Avalanche</td>
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<tr>
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<td>[%]</td>
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<tr>
<td>Other</td>
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<tr>
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<td>[%]</td>
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<tr>
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<td>77</td>
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<tr>
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<td>[%]</td>
<td>7.5</td>
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<tr>
<td>Male</td>
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<td>51</td>
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<tr>
<td></td>
<td>[%]</td>
<td>6.6</td>
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<tr>
<td>Female</td>
<td>[deaths]</td>
<td>26</td>
</tr>
<tr>
<td></td>
<td>[%]</td>
<td>10.7</td>
</tr>
</tbody>
</table>

Table S2: Natural hazard fatalities in Switzerland (1946-2015) classified by age groups.
Figure S1: Spatial distribution of natural hazard fatalities according to the hazard types flood, landslide, rockfall, windstorm, lightning and avalanche (Table 1) using a 10x10 km raster grid (DHM source: dhm25 © 2016 swisstopo (5704 000 000)). The applied grid cell colours are in accordance with the colours in Figure 9 (above).