Scottish Index of Multiple Deprivation (SIMD) 2016

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Background

SIMD 2016 published 31 August 2016
Looks at multiple deprivation – not just about low income but also poor health, education, crime etc
Measures relative deprivation – there will always be a most deprived area even if everywhere improves
Identifies small area deprivation at data zone level
Data Zones

Originally based on 2001 Census population – revised after 2011 Census
Population between 500 and 1,000
Scotland now has 6,976 data zones (6,505 previously)
North Ayrshire has 186 data zones (179 previously)
Vary in geographical size – rural areas larger due to sparser population density
SIMD Methodology

SIMD combines seven different “domains” of deprivation; Employment, Income, Health, Education, Access, Crime, Housing

38 different indicators

Domains weighted according to impact on overall deprivation
Weightings for Domains

- Income: 28%
- Employment: 28%
- Health: 14%
- Education: 14%
- Access: 9%
- Housing: 2%
- Crime: 5%
Words of caution…do not use SIMD for...

Saying **how much more** deprived one data zone is from another – difference between two ranks can be small or large

Comparing data zone ranks over time – changes are relative and may not reflect absolute changes

Identifying **all** people who are deprived - not everyone who is deprived lives in a deprived data zone

Identifying affluent areas – lack of deprivation not same as being rich
Can use SIMD for...

Comparing the proportion of data zones in a council that are very deprived

Finding areas where many people (but not all) experience multiple deprivation

Identifying areas of greater need for support and intervention

Comparing different domains of deprivation eg Access to services in rural areas
North Ayrshire Results

The interesting bit...
Distribution of overall rankings (Mainland & Arran)

Black areas = Falling in Top 5% most multiply deprived in Scotland

Dark Brown areas = Falling in Top 15% most multiply deprived in Scotland
North Ayrshire local share of 15% most deprived in Scotland

<table>
<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Local share</td>
<td>18%</td>
<td>18%</td>
<td>24%</td>
<td>26%</td>
<td>27%</td>
</tr>
<tr>
<td>33/179</td>
<td>33/179</td>
<td>43/179</td>
<td>46/179</td>
<td>51/186</td>
<td></td>
</tr>
</tbody>
</table>
Local Share of Top 15% most multiply deprived - SIMD 2016

Ranked 5th most deprived Council area (based on most deprived 15%)
Local Share - proportion of North Ayrshire’s data zones falling in the 15% most deprived by Domain

<table>
<thead>
<tr>
<th>Domain</th>
<th>2009 (No.)</th>
<th>Local Share 2009 (%)</th>
<th>2012 (No.)</th>
<th>Local Share 2012 (%)</th>
<th>2016 (No.)</th>
<th>Local Share 2016 (%)</th>
<th>% Point Change in local share 2012-16</th>
</tr>
</thead>
<tbody>
<tr>
<td>Income</td>
<td>44</td>
<td>24.6</td>
<td>52</td>
<td>29.1</td>
<td>60</td>
<td>32.3</td>
<td>3.2</td>
</tr>
<tr>
<td>Employment</td>
<td>43</td>
<td>24.0</td>
<td>47</td>
<td>26.3</td>
<td>52</td>
<td>28.0</td>
<td>1.7</td>
</tr>
<tr>
<td>Health</td>
<td>38</td>
<td>21.2</td>
<td>53</td>
<td>29.6</td>
<td>51</td>
<td>27.4</td>
<td>-2.2</td>
</tr>
<tr>
<td>Education</td>
<td>38</td>
<td>21.2</td>
<td>25</td>
<td>14.0</td>
<td>28</td>
<td>15.1</td>
<td>1.1</td>
</tr>
<tr>
<td>Housing</td>
<td>3</td>
<td>1.7</td>
<td>3</td>
<td>1.7</td>
<td>6</td>
<td>3.2</td>
<td>1.5</td>
</tr>
<tr>
<td>Access</td>
<td>41</td>
<td>22.9</td>
<td>20</td>
<td>11.2</td>
<td>20</td>
<td>10.8</td>
<td>-0.4</td>
</tr>
<tr>
<td>Crime</td>
<td>31</td>
<td>17.3</td>
<td>38</td>
<td>21.2</td>
<td>33</td>
<td>17.7</td>
<td>-3.5</td>
</tr>
<tr>
<td>Total data zones</td>
<td>179</td>
<td>100.0</td>
<td>179</td>
<td>100.0</td>
<td>186</td>
<td>100.0</td>
<td></td>
</tr>
</tbody>
</table>
Local Share - percentage of North Ayrshire’s data zones falling in the 15% most deprived by Domain 2009 - 2016

<table>
<thead>
<tr>
<th>Category</th>
<th>Local Share 2009</th>
<th>Local Share 2012</th>
<th>Local Share 2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Income</td>
<td>25</td>
<td>29</td>
<td>32</td>
</tr>
<tr>
<td>Employment</td>
<td>24</td>
<td>26</td>
<td>28</td>
</tr>
<tr>
<td>Health</td>
<td>21</td>
<td>30</td>
<td>27</td>
</tr>
<tr>
<td>Education</td>
<td>21</td>
<td>14</td>
<td>15</td>
</tr>
<tr>
<td>Housing</td>
<td>2</td>
<td>2</td>
<td>3</td>
</tr>
<tr>
<td>Access</td>
<td>23</td>
<td>11</td>
<td>11</td>
</tr>
<tr>
<td>Crime</td>
<td>17</td>
<td>18</td>
<td>18</td>
</tr>
</tbody>
</table>
# Locality Analysis – number of data zones in 15% most deprived in Scotland

<table>
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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Irvine</td>
<td>10</td>
<td>10</td>
<td>14</td>
<td>16</td>
<td>19</td>
<td>+9</td>
</tr>
<tr>
<td>Kilwinning</td>
<td>6</td>
<td>4</td>
<td>6</td>
<td>5</td>
<td>6</td>
<td>0</td>
</tr>
<tr>
<td>Three Towns</td>
<td>15</td>
<td>16</td>
<td>19</td>
<td>19</td>
<td>18</td>
<td>+3</td>
</tr>
<tr>
<td>Garnock Valley</td>
<td>2</td>
<td>3</td>
<td>4</td>
<td>6</td>
<td>7</td>
<td>+5</td>
</tr>
<tr>
<td>North Coast</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>1</td>
<td>+1</td>
</tr>
<tr>
<td>Arran</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>North Ayrshire</td>
<td>33</td>
<td>33</td>
<td>43</td>
<td>46</td>
<td>51</td>
<td>+18</td>
</tr>
</tbody>
</table>
Locality Analysis – number of data zones in 15% most deprived in Scotland 2004 - 2016

<table>
<thead>
<tr>
<th>Locality</th>
<th>2004</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Irvine</td>
<td>10</td>
<td>19</td>
</tr>
<tr>
<td>Kilwinning</td>
<td>6</td>
<td>6</td>
</tr>
<tr>
<td>Three Towns</td>
<td>15</td>
<td>18</td>
</tr>
<tr>
<td>Garnock Valley</td>
<td>2</td>
<td>7</td>
</tr>
<tr>
<td>North Coast</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Arran</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**Legend:**
- **Blue**: 2004
- **Green**: 2016
Three Towns Locality

44 Data Zones in total

Eighteen (41%) of these currently fall within the 15% most multiply deprived rankings of the 2016 SIMD. These are:

- Ardrossan Central (3)
- Ardrossan North East (3)
- Saltcoats Central (4)
- Stevenston Hayocks (3)
- Stevenston Ardeer (2)
- Stevenston North West (2)
- Saltcoats North East (1)
Irvine Locality

55 Data Zones in total

Nineteen (35%) of these currently fall within the 15% most multiply deprived rankings of the 2016 SIMD. These include:

- Castlepark North (4)
- Castlepark South (4)
- Fullarton (4)
- Irvine Central (2)
- Bourtreehill (2)
- Broomlands (2)
- Springside & Rural (1)
22 Data Zones in total

Six (27%) of these currently fall within the 15% most multiply deprived rankings of the 2016 SIMD. These are:

- Kilwinning West & Blacklands (2)
- Kilwinning Central & North (2)
- Kilwinning Pennyburn (2)
Garnock Valley Locality

27 Data Zones in total

Seven (26%) of these currently fall within the 15% most multiply deprived rankings of the 2016 SIMD. These are:

- Kilbirnie South & Longbar (2)
- Beith West (1)
- Dalry West (2)
- Dalry East & Rural (2)
North Coast Locality

31 Data Zones in total

One (3%) of these currently falls within the 15% most multiply deprived rankings of the 2016 SIMD. This is:

- Largs Central and Cumbrae

This is the first time that the North Coast locality has featured in the 15% most multiply deprived SIMD rankings.
7 Data Zones in total

None (0%) of these currently fall within the 15% most multiply deprived rankings of the 2016 SIMD.

Arran data zones have not featured in the 15% most multiply deprived rankings since the SIMD was first introduced in 2004.

However Arran does feature in the Access domain with three (43%) data zones in the 15% most deprived
Additional Information

http://www.gov.scot/Topics/Statistics/SIMD
(Scottish Government SIMD website)

(North Ayrshire SIMD Profile)

http://www.gov.scot/Topics/Statistics/SIMD/SIMDInteractive
(Interactive Mapping)