Section B: Profile Mpumalanga Province

21 Mpumalanga Province

Gert Sibande District Municipality (DC30)

Gert Sibande District is situated in Mpumalanga Province and has seven health sub-districts: Albert Luthuli, Dipaleseng, Govan Mbeki, Lekwa, Mkhondo, Msukaligwa and Pixley Ka Seme. The district has a population of 1 086 851, with a population density of 34.1 people per km², and falls into socio-economic Quintile 3. Gert Sibande is one of the 11 National Health Insurance (NHI) pilot districts and has estimated medical scheme coverage of 13.5%.

Social determinants of health*

<table>
<thead>
<tr>
<th>Social Determinant</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unemployment rate</td>
<td>29.7%</td>
</tr>
<tr>
<td>Youth unemployment rate</td>
<td>38.4%</td>
</tr>
<tr>
<td>No schooling</td>
<td>10.8%</td>
</tr>
<tr>
<td>Matric</td>
<td>32.4%</td>
</tr>
<tr>
<td>Higher education</td>
<td>7.9%</td>
</tr>
<tr>
<td>Households</td>
<td>333 815</td>
</tr>
<tr>
<td>Female-headed households</td>
<td>39.1%</td>
</tr>
<tr>
<td>Formal dwellings</td>
<td>78.0%</td>
</tr>
<tr>
<td>Flush toilet connected to sewerage</td>
<td>67.1%</td>
</tr>
<tr>
<td>Weekly refuse removal</td>
<td>54.3%</td>
</tr>
<tr>
<td>Piped water inside dwellings</td>
<td>34.3%</td>
</tr>
<tr>
<td>Electricity for lighting</td>
<td>88.5%</td>
</tr>
<tr>
<td>Blue Drop water score</td>
<td>36.5%</td>
</tr>
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</table>

Source: StatsSA. 2014 Blue Drop Report.

Population per selected category

<table>
<thead>
<tr>
<th>Population category</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
</tr>
</thead>
<tbody>
<tr>
<td>under 1 year</td>
<td>21 287</td>
<td>21 543</td>
<td>21 946</td>
<td>22 250</td>
</tr>
<tr>
<td>05-09 years</td>
<td>112 781</td>
<td>112 282</td>
<td>111 977</td>
<td>111 773</td>
</tr>
<tr>
<td>10-14 years</td>
<td>113 609</td>
<td>115 656</td>
<td>117 684</td>
<td>119 143</td>
</tr>
<tr>
<td>15-19 years</td>
<td>109 841</td>
<td>109 924</td>
<td>110 225</td>
<td>111 120</td>
</tr>
<tr>
<td>20-24 years</td>
<td>113 887</td>
<td>113 716</td>
<td>113 374</td>
<td>112 748</td>
</tr>
<tr>
<td>25-29 years</td>
<td>123 741</td>
<td>123 302</td>
<td>122 764</td>
<td>122 177</td>
</tr>
<tr>
<td>30-34 years</td>
<td>107 175</td>
<td>110 134</td>
<td>119 017</td>
<td>124 816</td>
</tr>
<tr>
<td>35-39 years</td>
<td>83 557</td>
<td>87 815</td>
<td>91 771</td>
<td>95 052</td>
</tr>
<tr>
<td>40-44 years</td>
<td>64 981</td>
<td>67 258</td>
<td>69 863</td>
<td>72 926</td>
</tr>
<tr>
<td>45-49 years</td>
<td>54 043</td>
<td>55 186</td>
<td>56 490</td>
<td>58 011</td>
</tr>
<tr>
<td>50-54 years</td>
<td>46 204</td>
<td>47 073</td>
<td>47 902</td>
<td>48 723</td>
</tr>
<tr>
<td>55-59 years</td>
<td>38 199</td>
<td>39 033</td>
<td>39 894</td>
<td>40 758</td>
</tr>
<tr>
<td>60-64 years</td>
<td>30 038</td>
<td>30 961</td>
<td>31 822</td>
<td>32 635</td>
</tr>
<tr>
<td>65-69 years</td>
<td>21 780</td>
<td>22 592</td>
<td>23 408</td>
<td>24 225</td>
</tr>
<tr>
<td>70-74 years</td>
<td>14 998</td>
<td>15 420</td>
<td>15 974</td>
<td>16 559</td>
</tr>
<tr>
<td>75-79 years</td>
<td>9 854</td>
<td>10 146</td>
<td>10 442</td>
<td>10 751</td>
</tr>
<tr>
<td>80 years and older</td>
<td>9 990</td>
<td>10 542</td>
<td>11 117</td>
<td>11 709</td>
</tr>
<tr>
<td>Total</td>
<td>1 172 744</td>
<td>1 191 707</td>
<td>1 210 593</td>
<td>1 229 321</td>
</tr>
<tr>
<td>Estimated pregnant women*</td>
<td>22 777</td>
<td>23 051</td>
<td>23 482</td>
<td>23 808</td>
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</table>


Population distribution sub-district boundaries and health facility locations

---

### Number of facilities by level, 2016/17

<table>
<thead>
<tr>
<th>Ward based outreach teams</th>
<th>Clinic</th>
<th>CHC</th>
<th>District Hospital</th>
<th>Regional Hospital</th>
<th>Central/Tertiary Hospitals</th>
<th>Other Hospitals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Albert Luthuli SD</td>
<td>14</td>
<td>18</td>
<td>4</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Dipaleseng SD</td>
<td>1</td>
<td>4</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Govan Mbeki SD</td>
<td>0</td>
<td>11</td>
<td>3</td>
<td>2</td>
<td>0</td>
<td>2</td>
</tr>
<tr>
<td>Lekwa SD</td>
<td>16</td>
<td>8</td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Mkhondo SD</td>
<td>6</td>
<td>7</td>
<td>4</td>
<td>1</td>
<td>0</td>
<td>1</td>
</tr>
<tr>
<td>Msukaligwa SD</td>
<td>5</td>
<td>12</td>
<td>2</td>
<td>0</td>
<td>1</td>
<td>0</td>
</tr>
<tr>
<td>Pixley Ka Seme SD</td>
<td>15</td>
<td>6</td>
<td>2</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Gert Sibande</td>
<td>57</td>
<td>66</td>
<td>19</td>
<td>8</td>
<td>1</td>
<td>6</td>
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</table>

Source: DHIS.

### Human resources – filled posts, 2016

<table>
<thead>
<tr>
<th>Community Health Workers</th>
<th>Nursing assistants</th>
<th>Enrolled nurse</th>
<th>Professional nurse</th>
<th>Medical practitioners</th>
<th>Pharmacists</th>
<th>Dental practitioners</th>
<th>Occupational therapy</th>
<th>Physiotherapy</th>
<th>Speech Therapy and Audiology</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gert Sibande</td>
<td>907</td>
<td>408</td>
<td>523</td>
<td>1 366</td>
<td>207</td>
<td>93</td>
<td>42</td>
<td>27</td>
<td>25</td>
</tr>
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</table>

Source: Persal, DHIS.

### Management and efficiency indicators for the service delivery platform, 2016/17

<table>
<thead>
<tr>
<th>Indicator</th>
<th>PHC utilisation rate (No)</th>
<th>Percentage of ideal clinics (%)</th>
<th>Percentage of assessed PHC facilities with 90% of tracer medicines available (%)</th>
<th>Provincial and LG District Health Services expenditure per capita (uninsured) (Rand)</th>
<th>Provincial and LG PHC expenditure per capita (uninsured) (Rand)</th>
<th>Provincial and LG PHC expenditure per PHC headcount (Rand)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Albert Luthuli SD</td>
<td>Indicator 2.8</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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</tr>
<tr>
<td>Denominator 2 295 960</td>
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<td>-</td>
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<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Dipaleseng SD</td>
<td>Indicator 2.3</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Denominator 537 225</td>
<td>-</td>
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<td>-</td>
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</tr>
<tr>
<td>Govan Mbeki SD</td>
<td>Indicator 1.2</td>
<td>-</td>
<td>-</td>
<td>-</td>
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</tr>
<tr>
<td>Denominator 3 738 297</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Lekwa SD</td>
<td>Indicator 1.4</td>
<td>-</td>
<td>-</td>
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<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Denominator 1 461 372</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
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</tr>
<tr>
<td>Mkhondo SD</td>
<td>Indicator 1.9</td>
<td>-</td>
<td>-</td>
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<td>-</td>
</tr>
<tr>
<td>Denominator 2 129 184</td>
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<td>-</td>
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<tr>
<td>Msukaligwa SD</td>
<td>Indicator 1.5</td>
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<td>-</td>
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</tr>
<tr>
<td>Denominator 1 877 772</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Pixley Ka Seme SD</td>
<td>Indicator 1.8</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Denominator 1 034 295</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Gert Sibande</td>
<td>Indicator 1.8</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Denominator 1 910 057</td>
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<tr>
<td>Mpumalanga</td>
<td>Indicator 2.2</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Denominator 1 190 057</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
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</table>

Source: DHIS.
### Hospital

<table>
<thead>
<tr>
<th>District Hospital</th>
<th>Regional Hospital</th>
<th>Tertiary/Central Hospital</th>
</tr>
</thead>
<tbody>
<tr>
<td>Average length of stay - total (Days)</td>
<td>Expenditure per patient day equivalent (Rand)</td>
<td>Inpatient bed utilisation rate - total (%)</td>
</tr>
<tr>
<td><strong>Albert Luthuli SD</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indicator</td>
<td>3.7</td>
<td>2 662</td>
</tr>
<tr>
<td>Numerator</td>
<td>67 570</td>
<td>269 498 871</td>
</tr>
<tr>
<td>Denominator</td>
<td>18 264</td>
<td>101 626</td>
</tr>
<tr>
<td><strong>Govan Mbeki SD</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indicator</td>
<td>4.2</td>
<td>2 182</td>
</tr>
<tr>
<td>Numerator</td>
<td>67 542</td>
<td>282 847 330</td>
</tr>
<tr>
<td>Denominator</td>
<td>16 141</td>
<td>129 647</td>
</tr>
<tr>
<td><strong>Lekwa SD</strong></td>
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<td></td>
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<tr>
<td>Indicator</td>
<td>4.3</td>
<td>1 818</td>
</tr>
<tr>
<td>Numerator</td>
<td>44 242</td>
<td>142 631 756</td>
</tr>
<tr>
<td>Denominator</td>
<td>10 245</td>
<td>78 475</td>
</tr>
<tr>
<td><strong>Mkhondo SD</strong></td>
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<td></td>
</tr>
<tr>
<td>Indicator</td>
<td>4.9</td>
<td>3 445</td>
</tr>
<tr>
<td>Numerator</td>
<td>27 442</td>
<td>182 480 325</td>
</tr>
<tr>
<td>Denominator</td>
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<td>52 975</td>
</tr>
<tr>
<td><strong>Msukaligwa SD</strong></td>
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<td></td>
</tr>
<tr>
<td>Indicator</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Numerator</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Denominator</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td><strong>Piuley Ka Seme SD</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Indicator</td>
<td>5.5</td>
<td>2 236</td>
</tr>
<tr>
<td>Numerator</td>
<td>28 424</td>
<td>125 972 335</td>
</tr>
<tr>
<td>Denominator</td>
<td>5 170</td>
<td>56 329</td>
</tr>
<tr>
<td><strong>Get Sibande</strong></td>
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<td></td>
</tr>
<tr>
<td>Indicator</td>
<td>4.2</td>
<td>2 395</td>
</tr>
<tr>
<td>Numerator</td>
<td>235 219</td>
<td>1 003 340 617</td>
</tr>
<tr>
<td>Denominator</td>
<td>55 462</td>
<td>419 052</td>
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<tr>
<td><strong>Mpumalanga</strong></td>
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<tr>
<td>Indicator</td>
<td>4.8</td>
<td>23 336</td>
</tr>
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<td><strong>South Africa</strong></td>
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<tr>
<td>Indicator</td>
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</table>

Source: DHIS and BAS.
## Annual trends Management and efficiency indicators for the service delivery platform, 2016/17

<table>
<thead>
<tr>
<th>Data Element (Number)</th>
<th>2014/15</th>
<th>2015/16</th>
<th>2016/17</th>
</tr>
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<tbody>
<tr>
<td>Maternal deaths</td>
<td>7</td>
<td>3</td>
<td>10</td>
</tr>
<tr>
<td>Live births</td>
<td>2,260</td>
<td>13,391</td>
<td>18,318</td>
</tr>
<tr>
<td>Still births</td>
<td>30</td>
<td>303</td>
<td>411</td>
</tr>
<tr>
<td>Infant (under 1 year)</td>
<td>5</td>
<td>65</td>
<td>73</td>
</tr>
<tr>
<td>Neo-natal</td>
<td>19</td>
<td>36</td>
<td>43</td>
</tr>
<tr>
<td>Death in facility</td>
<td>0-7 days</td>
<td>5,155</td>
<td>3,163</td>
</tr>
<tr>
<td>Death in facility</td>
<td>8-28 days</td>
<td>-</td>
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</tr>
<tr>
<td>Death in facility</td>
<td>29 days -11 months</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Death in facility</td>
<td>12-59 months</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Death in facility</td>
<td>5 years</td>
<td>46</td>
<td>79</td>
</tr>
<tr>
<td>Diarrhoea death</td>
<td>46</td>
<td>8</td>
<td>10</td>
</tr>
<tr>
<td>Pneumonia death</td>
<td>42</td>
<td>9</td>
<td>15</td>
</tr>
<tr>
<td>Severe acute malnutrition death under 5 years</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Death due to TB</td>
<td>2,205</td>
<td>749</td>
<td>548</td>
</tr>
<tr>
<td>Inpatient death total</td>
<td>3,043</td>
<td>3,588</td>
<td>3,573</td>
</tr>
<tr>
<td>Patient day equivalent</td>
<td>342</td>
<td>3,598</td>
<td>3,579</td>
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</tbody>
</table>

### Deaths and Patient day equivalent 2014/15 – 2016/17

<table>
<thead>
<tr>
<th>Measure Names</th>
<th>IndValue</th>
<th>Prov_av</th>
<th>ZA_av</th>
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<tbody>
<tr>
<td>Maternal deaths</td>
<td>7 3 10</td>
<td>2,260 13,391 18,318</td>
<td></td>
</tr>
<tr>
<td>Live births</td>
<td>30 303 411</td>
<td>5 65 73</td>
<td></td>
</tr>
<tr>
<td>Infant (under 1 year)</td>
<td>5 65 73</td>
<td>19 36 43</td>
<td></td>
</tr>
<tr>
<td>Neo-natal</td>
<td>19 36 43</td>
<td>5 65 73</td>
<td></td>
</tr>
<tr>
<td>Death in facility 0-7 days</td>
<td>5,155 3,163 4,181</td>
<td>5 65 73</td>
<td></td>
</tr>
<tr>
<td>Death in facility 8-28 days</td>
<td>- - 0</td>
<td>5 65 73</td>
<td></td>
</tr>
<tr>
<td>Death in facility 29 days -11 months</td>
<td>- - 0</td>
<td>5 65 73</td>
<td></td>
</tr>
<tr>
<td>Death in facility 12-59 months</td>
<td>- - 0</td>
<td>5 65 73</td>
<td></td>
</tr>
<tr>
<td>Death in facility 5 years</td>
<td>46 8 10</td>
<td>5 65 73</td>
<td></td>
</tr>
<tr>
<td>Diarrhoea death under 5 years</td>
<td>46 8 10</td>
<td>5 65 73</td>
<td></td>
</tr>
<tr>
<td>Pneumonia death under 5 years</td>
<td>42 9 15</td>
<td>5 65 73</td>
<td></td>
</tr>
<tr>
<td>Severe acute malnutrition death under 5 years</td>
<td>- - 0</td>
<td>5 65 73</td>
<td></td>
</tr>
<tr>
<td>Death due to TB</td>
<td>2,205 749 548</td>
<td>3,043 3,588 3,573</td>
<td></td>
</tr>
<tr>
<td>Inpatient death total</td>
<td>3,043 3,588 3,573</td>
<td>3,043 3,588 3,573</td>
<td></td>
</tr>
<tr>
<td>Patient day equivalent</td>
<td>342 3,598 3,579</td>
<td>3,043 3,588 3,573</td>
<td></td>
</tr>
</tbody>
</table>

Source: DHS. *MOU – Maternal Obstetric Unit.*
Section B: Profile Mpumalanga Province

Burden of disease profile

For the percentage of deaths by broad cause, deaths are classified into four groups namely: (i) injuries; (ii) non-communicable diseases; (iii) HIV and TB; and (iv) communicable diseases together with maternal perinatal and nutritional conditions. Data are given by gender and age group for the period 2010–2015. The second part of the graph shows the 10 leading single causes of death within each age group (both genders) for 2010–2015 combined.

### Percentage of deaths by broad cause and leading causes 2010–2015

#### Age Group

<table>
<thead>
<tr>
<th>AgeGroup..</th>
<th>Female</th>
<th>Male</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;5 years</td>
<td>78%</td>
<td>78%</td>
</tr>
<tr>
<td>5-14</td>
<td>36%</td>
<td>29%</td>
</tr>
<tr>
<td>15-24</td>
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<td>25-64</td>
<td>23%</td>
<td>19%</td>
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<tr>
<td>65+</td>
<td>18%</td>
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<tr>
<td>Total</td>
<td>28%</td>
<td>25%</td>
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</tbody>
</table>

#### Rank

1. Diarrhoeal diseases (25.1%)
2. Lower respiratory infections (21.0%)
3. Preterm birth complications (12.4%)
4. HIV/AIDS (8.4%)
5. Birth asphyxia (7.8%)
6. Protein-energy malnutrition (5.8%)
7. Other perinatal conditions (2.7%)
8. Poisonings (including herbal) (1.8%)
9. Tuberculosis (1.7%)
10. Sepsis/other newborn infectious (1.4%)

#### Broadcause

- Injury
- NCD
- HIV and TB
- Comm_mat_peri_nut

#### Prov. District

MP, G Sibande: DC30

*Percentages are shown according to all the deaths within the age/gender category of each box, although only the leading 10 causes are displayed.*
Maternal and Women’s Health

<table>
<thead>
<tr>
<th>Indicator</th>
<th>Impact</th>
<th>Outcome</th>
<th>Output</th>
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<tbody>
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<td>Maternal mortality in facility ratio (per100K)</td>
<td>Antenatal client initiated on ART rate (%)</td>
<td>Delivery in facility under 18 years rate (%)</td>
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Source: DHIS.

Annual trends
## Child and School Health

### Impact

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<tr>
<th>Indicator</th>
<th>Child under 5 years</th>
<th>School Grade 1</th>
<th>School Grade 8</th>
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### Outcome

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<tr>
<th>Indicator</th>
<th>Percentage</th>
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<td>Albert Luthuli SD</td>
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<td>12.1 13.5 48.5 22.3 53.4 0.0 0.0</td>
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<tr>
<td>Dipaleseng SD</td>
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<td>4.1 4.1 4.1 4.1</td>
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<tr>
<td>Govan Mbeki SD</td>
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<td>1.8 1.8 1.8 1.8</td>
</tr>
<tr>
<td>Lekwa SD</td>
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<td>4.1 4.1 4.1 4.1</td>
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### Source

DHS.
Annual trends Child and School Health

Annual trends HIV
## Section B: Profile Mpumalanga Province

### HIV

#### Key Indicators

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<thead>
<tr>
<th>Indicator</th>
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<th>2015</th>
<th>2016</th>
<th>2017</th>
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<tbody>
<tr>
<td>Clients remaining on ART rate (%)</td>
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<tr>
<td>Adult with viral load completion rate at 12 months (%)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Child with viral load completion rate at 12 months (%)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Adult with viral load suppressed rate 12 months (%)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Child with viral load suppressed rate 12 months (%)</td>
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</tr>
<tr>
<td>Adult percentage on ART after 12 months (%)</td>
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</tr>
<tr>
<td>Child percentage on ART after 12 months (%)</td>
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<tr>
<td>HIV test positive client 15 years and older rate (including ANC) (%)</td>
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<tr>
<td>HIV testing coverage (including ANC) (%)</td>
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<tr>
<td>Male condom distribution coverage (No)</td>
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<tr>
<td>Medical male circumcision rate (per 1K)</td>
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#### South Africa Province Indicators

- Albert Luthuli SD
- Dipaleseng SD
- Govan Mbeki SD
- Lekwa SD
- Mkhondo SD
- Msukaligwa SD
- Pixley Ka Seme SD
- Gert Sibande
- Mpumalanga
- South Africa

Source: DHIS.
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<thead>
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<th>Outcome</th>
<th>Output</th>
<th>Process &amp; input</th>
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<tr>
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<td>TB death rate (ETR.net) (%)</td>
<td>TB client loss to follow up rate (%)</td>
<td>TB client treatment success rate (%)</td>
<td>TB client initiated on treatment rate (%)</td>
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<td>Source: DHIS.</td>
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Annual trends TB

![Graph showing annual trends in TB related measures including death rate, client lost to follow up, treatment success rate, treatment success rate for DR clients, and TB symptom screening rate for 5 years and older.](image-url)
Non-communicable diseases

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<th>ZA_av</th>
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<tr>
<th>Sub-district</th>
<th>Diabetes incidence (per1K)</th>
<th>Hypertension incidence (per1K)</th>
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<td>2016/17</td>
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<tr>
<td>South Africa</td>
<td>2.5</td>
<td>18.9</td>
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</table>

Source: DHIS.

Annual trends

Sub-district value in red – improvement strategies are urgently needed
Value highlighted in yellow – performance is ranked among the 10 best in the country
Value highlighted in red – performance is ranked among the 10 worst in the country
Nkangala District Municipality (DC31)

Nkangala District is situated in Mpumalanga Province and has six health sub-districts: Dr JS Moroka, Emakhazeni, Emalahleni, Steve Tshwete, Thembisile Hani and Victor Khanye. The district has a population of 1 433 037, with a population density of 85.5 people per km² and falls into socio-economic Quintile 4. Estimated medical scheme coverage is 15.0%.

Social determinants of health

<table>
<thead>
<tr>
<th>Social Determinant</th>
<th>Value</th>
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<tr>
<td>Unemployment rate</td>
<td>30.0%</td>
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<tr>
<td>Youth unemployment rate (15-34 years)</td>
<td>39.6%</td>
</tr>
<tr>
<td>No schooling</td>
<td>9.0%</td>
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<tr>
<td>Matric</td>
<td>35.0%</td>
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<tr>
<td>Higher education</td>
<td>8.7%</td>
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<tr>
<td>Households</td>
<td>421 144</td>
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<tr>
<td>Female-headed households</td>
<td>35.5%</td>
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<tr>
<td>Formal dwellings</td>
<td>81.6%</td>
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<tr>
<td>Flush toilet connected to sewerage</td>
<td>51.5%</td>
</tr>
<tr>
<td>Weekly refuse removal</td>
<td>47.9%</td>
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<tr>
<td>Piped water inside dwellings</td>
<td>39.3%</td>
</tr>
<tr>
<td>Electricity for lighting</td>
<td>85.4%</td>
</tr>
<tr>
<td>Blue Drop water score</td>
<td>70.2%</td>
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</table>

Source: StatsSA. 2014 Blue Drop Report.

Population per selected category

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<thead>
<tr>
<th>Population category</th>
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<th>2018</th>
<th>2019</th>
<th>2020</th>
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<tr>
<td>under 1 year</td>
<td>24 913</td>
<td>25 724</td>
<td>27 149</td>
<td>28 679</td>
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<tr>
<td>under 5 years</td>
<td>133 389</td>
<td>134 544</td>
<td>136 643</td>
<td>139 353</td>
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<td>05-09 years</td>
<td>137 396</td>
<td>137 753</td>
<td>137 418</td>
<td>137 163</td>
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<tr>
<td>10-14 years</td>
<td>128 695</td>
<td>131 811</td>
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<td>15-19 years</td>
<td>132 103</td>
<td>131 256</td>
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<td>20-24 years</td>
<td>146 882</td>
<td>146 659</td>
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<td>145 123</td>
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<td>25-29 years</td>
<td>163 625</td>
<td>163 781</td>
<td>163 950</td>
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<td>30-34 years</td>
<td>147 602</td>
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<td>35-39 years</td>
<td>123 335</td>
<td>128 518</td>
<td>132 948</td>
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<td>40-44 years</td>
<td>95 065</td>
<td>99 785</td>
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<td>110 212</td>
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<tr>
<td>45-49 years</td>
<td>74 315</td>
<td>77 055</td>
<td>80 148</td>
<td>83 662</td>
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<td>55-59 years</td>
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<td>49 569</td>
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<td>60-64 years</td>
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<td>39 526</td>
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<td>65-69 years</td>
<td>27 036</td>
<td>28 314</td>
<td>29 618</td>
<td>30 828</td>
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<td>70-74 years</td>
<td>17 295</td>
<td>17 865</td>
<td>18 524</td>
<td>19 328</td>
</tr>
<tr>
<td>75-79 years</td>
<td>10 037</td>
<td>10 569</td>
<td>11 019</td>
<td>11 372</td>
</tr>
<tr>
<td>80 years and older</td>
<td>9 584</td>
<td>9 701</td>
<td>9 832</td>
<td>9 977</td>
</tr>
<tr>
<td>Total</td>
<td>1 493 767</td>
<td>1 523 787</td>
<td>1 554 418</td>
<td>1 585 460</td>
</tr>
</tbody>
</table>

Estimated pregnant women: 26 657


Population distribution sub-district boundaries and health facility locations

Legend

Level
- Clinic
- C & H
- Provincial Tertiary Hospital
- Specialised TB Hospital
- District Hospital
- Other
- District
- Sub-district

Population
- 0 - 956
- 0662 - 38194
- 38195 - 64558
- 64559 - 228812
- 228813 - 565839

## Number of facilities by level, 2016/17

<table>
<thead>
<tr>
<th></th>
<th>Ward based outreach teams</th>
<th>Clinic</th>
<th>CHC</th>
<th>District Hospital</th>
<th>Regional Hospital</th>
<th>Central/ Tertiary Hospitals</th>
<th>Other Hospitals</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr JS Moroka SD</td>
<td>29</td>
<td>21</td>
<td>10</td>
<td>1</td>
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<td>0</td>
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<tr>
<td>Emakhazeni SD</td>
<td>3</td>
<td>11</td>
<td>0</td>
<td>2</td>
<td>0</td>
<td>0</td>
<td>0</td>
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<tr>
<td>Emalahleni SD</td>
<td>9</td>
<td>14</td>
<td>6</td>
<td>1</td>
<td>0</td>
<td>1</td>
<td>7</td>
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<tr>
<td>Steve Tshwete SD</td>
<td>6</td>
<td>14</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Thembisile Hani SD</td>
<td>21</td>
<td>15</td>
<td>7</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Victor Khanye SD</td>
<td>3</td>
<td>3</td>
<td>0</td>
<td>1</td>
<td>0</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Nkangala</td>
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<td>78</td>
<td>23</td>
<td>7</td>
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<td>1</td>
<td>13</td>
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</table>

Source: DHIS.

## Human resources – filled posts, 2016

<table>
<thead>
<tr>
<th></th>
<th>Community Health Workers</th>
<th>Nursing assistants</th>
<th>Enrolled nurse</th>
<th>Professional nurse</th>
<th>Medical practitioners</th>
<th>Pharmacists</th>
<th>Dental practitioners</th>
<th>Occupational therapy</th>
<th>Physiotherapy</th>
<th>Speech Therapy and Audiology</th>
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</thead>
<tbody>
<tr>
<td>Nkangala</td>
<td>1 304</td>
<td>339</td>
<td>295</td>
<td>1 248</td>
<td>259</td>
<td>66</td>
<td>34</td>
<td>22</td>
<td>24</td>
<td>17</td>
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</table>

Source: Persal, DHIS.

## Management and efficiency indicators for the service delivery platform, 2016/17

<table>
<thead>
<tr>
<th></th>
<th>PHC utilisation rate (No)</th>
<th>Percentage of assessed PHC facilities with 90% of tracer medicines available (%)</th>
<th>Pro vincial and LG District Health Services expenditure per capita (uninsured) (Rand)</th>
<th>Pro vincial and LG PHC expenditure per capita (uninsured) (Rand)</th>
<th>Pro vincial and LG PHC expenditure per PHC headcount (Rand)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dr JS Moroka SD</td>
<td>Indicator 2.3</td>
<td>625 369</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td></td>
<td>Numerator 3 260 022</td>
<td>Denominator</td>
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<td>-</td>
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<tr>
<td>Emakhazeni SD</td>
<td>Indicator 2.7</td>
<td>143 040</td>
<td>-</td>
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</tr>
<tr>
<td></td>
<td>Numerator 625 059</td>
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<td>-</td>
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<tr>
<td>Emalahleni SD</td>
<td>Indicator 1.8</td>
<td>718 765</td>
<td>-</td>
<td>-</td>
<td>-</td>
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<tr>
<td></td>
<td>Numerator 5 259 093</td>
<td>Denominator</td>
<td>-</td>
<td>-</td>
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<tr>
<td>Steve Tshwete SD</td>
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<td>341 325</td>
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<tr>
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</tr>
<tr>
<td>Nkangala</td>
<td>Indicator 1.8</td>
<td>2 557 681</td>
<td>1 790 626 794</td>
<td>934 562 977</td>
<td>2 557 681</td>
</tr>
<tr>
<td></td>
<td>Numerator 17 277 006</td>
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<td>89</td>
<td>728 876</td>
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<td>Mpumalanga</td>
<td>Indicator 2.2</td>
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<td>1 790 626 794</td>
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<tr>
<td></td>
<td>Numerator 2 557 681</td>
<td>Denominator</td>
<td>21</td>
<td>60</td>
<td>1 218 081</td>
</tr>
<tr>
<td></td>
<td>Denominator 2 557 681</td>
<td>Denominator</td>
<td>21</td>
<td>60</td>
<td>1 218 081</td>
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<td>South Africa</td>
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<td>1 790 626 794</td>
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<td>2 557 681</td>
</tr>
<tr>
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<td>Numerator 2 557 681</td>
<td>Denominator</td>
<td>21</td>
<td>60</td>
<td>1 218 081</td>
</tr>
<tr>
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<td>Denominator 2 557 681</td>
<td>Denominator</td>
<td>21</td>
<td>60</td>
<td>1 218 081</td>
</tr>
</tbody>
</table>

Source: DHIS.
### Section B: Profile Mpumalanga Province

| Dr JS Moroka SD | Indicator  | 5.6 | 2,760 | 111.7 | 9.1 | 56.6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Numerator  | 26,910 | 117,988,432 | 26,910 | 4,34 | 5,785 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Denominator  | 4,794 | 42,748 | 24,093 | 4,794 | 10,214 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Emalahleni SD  | Indicater  | 3.5 | 2,534 | 79.4 | 5.8 | 73.6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Numerator  | 7,541 | 53,609,529 | 7,541 | 123 | 10,397 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Denominator  | 2,130 | 21,158 | 9,491 | 2,130 | 14,121 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Emalahleni SD  | Indicator  | 3.4 | 2,657 | 51.6 | 8.8 | 73.6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Numerator  | 6,938 | 50,704,705 | 6,938 | 140 | 5,339 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Denominator  | 2,065 | 19,082 | 13,385 | 2,065 | 7,525 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Steve Tshwete SD  | Indicator  | 5.6 | 2,616 | 63.0 | 5.6 | 56.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Numerator  | 56,837 | 239,426,940 | 56,837 | 569 | 9,026 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Denominator  | 10,075 | 91,513 | 90,165 | 10,075 | 16,001 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Thembiile Hani SD  | Indicator  | 5.0 | 2,777 | 74.8 | 6.9 | 46.6 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Numerator  | 41,766 | 182,280,595 | 41,766 | 579 | 6,658 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Denominator  | 8,359 | 65,629 | 55,851 | 8,359 | 14,299 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Vidor Khanye SD  | Indicator  | 4.2 | 1,845 | 81.0 | 7.5 | 87.7 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Numerator  | 15,378 | 86,729,483 | 15,378 | 274 | 15,895 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Denominator  | 3,649 | 47,017 | 18,982 | 3,649 | 18,117 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Nkangala  | Indicator  | 5.0 | 2,545 | 73.3 | 6.8 | 66.4 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Numerator  | 155,368 | 730,739,833 | 155,368 | 2,119 | 53,300 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Denominator  | 31,072 | 287,147 | 211,967 | 31,072 | 80,277 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Mpumalanga  | Indicator  | 4.8 | 2,336 | 75.3 | 5.2 | 64.1 | 4.4 | 3,097 | 81.2 | 4.8 | 60.4 | 7.1 | 3,300 | 85.8 | 5.8 | 32.2 |
| South Africa  | Indicator  | 4.4 | 2,568 | 67.4 | 5.1 | 59.3 | 5.3 | 2,894 | 78.3 | 5.0 | 37.2 | 6.9 | 4,227 | 84.3 | 5.4 | 20.3 |

**Source:** DHS and BAS.
Annual trends Management and efficiency indicators for the service delivery platform, 2016/17

Deaths and Patient day equivalent 2014/15 – 2016/17

<table>
<thead>
<tr>
<th>Data Element (Number)</th>
<th>Measure Name</th>
<th>PHC / CHC</th>
<th>MOU</th>
<th>District Hospital</th>
<th>Regional Hospital</th>
<th>Central / tertiary Hospital</th>
<th>District Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maternal deaths 1</td>
<td>Infant (under 1 year)</td>
<td>Death in facility 0-7 days</td>
<td>84</td>
<td>15</td>
<td>109</td>
<td>164</td>
<td>162</td>
</tr>
<tr>
<td>Maternal deaths 1</td>
<td>Child (under 5 years)</td>
<td>Death in facility 8-28 days</td>
<td>15</td>
<td>24</td>
<td>33</td>
<td>21</td>
<td>21</td>
</tr>
<tr>
<td>Maternal deaths 1</td>
<td></td>
<td>Death in facility 29 days - 11 months</td>
<td>109</td>
<td>67</td>
<td>207</td>
<td>97</td>
<td>97</td>
</tr>
<tr>
<td>Maternal deaths 1</td>
<td></td>
<td>Death in facility 12 - 59 months</td>
<td>52</td>
<td>90</td>
<td>142</td>
<td>40</td>
<td>40</td>
</tr>
<tr>
<td>Maternal deaths 1</td>
<td></td>
<td>Death in facility 60+ months</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Maternal deaths 1</td>
<td></td>
<td>Diarrhoea death under 5 years</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Maternal deaths 1</td>
<td></td>
<td>Pneumonia death under 5 years</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Maternal deaths 1</td>
<td></td>
<td>Severe acute malnutrition death under 5 years</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
<tr>
<td>Maternal deaths 1</td>
<td></td>
<td>TB Deaths</td>
<td>1,638</td>
<td>1,968</td>
<td>2,010</td>
<td>1,986</td>
<td>1,986</td>
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<tr>
<td>Maternal deaths 1</td>
<td></td>
<td>Inpatient death total</td>
<td>2,226</td>
<td>932</td>
<td>3,158</td>
<td>2,189</td>
<td>1,013</td>
</tr>
<tr>
<td>Maternal deaths 1</td>
<td></td>
<td>Patient day equivalent</td>
<td>277</td>
<td>166</td>
<td>983</td>
<td>435</td>
<td>149</td>
</tr>
</tbody>
</table>

Source: DHIS. *MOU – Maternal Obstetric Unit.
Burden of disease profile

For the percentage of deaths by broad cause, deaths are classified into four groups namely: (i) injuries; (ii) non-communicable diseases; (iii) HIV and TB; and (iv) communicable diseases together with maternal perinatal and nutritional conditions. Data are given by gender and age group for the period 2010–2015. The second part of the graph shows the 10 leading single causes of death within each age group (both genders) for 2010–2015 combined.

### Percentage of deaths by broad cause and leading causes 2010–2015

<table>
<thead>
<tr>
<th>Age Group</th>
<th>Female</th>
<th></th>
<th>Male</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;5 years</td>
<td>74%</td>
<td>8%</td>
<td>11%</td>
<td>7%</td>
</tr>
<tr>
<td>5-14</td>
<td>35%</td>
<td>20%</td>
<td>21%</td>
<td>23%</td>
</tr>
<tr>
<td>15-24</td>
<td>25%</td>
<td>36%</td>
<td>20%</td>
<td>19%</td>
</tr>
<tr>
<td>25-64</td>
<td>22%</td>
<td>35%</td>
<td>37%</td>
<td>5%</td>
</tr>
<tr>
<td>65+</td>
<td>16%</td>
<td>24%</td>
<td>1%</td>
<td>2%</td>
</tr>
<tr>
<td>Total</td>
<td>24%</td>
<td>23%</td>
<td>48%</td>
<td>9%</td>
</tr>
</tbody>
</table>

### Broadcause

1. Injury
2. NCD
3. HIV and TB
4. Comm_mat_peri_nut

### Prov, District

MP, Nkangala: DC31

### Show history

Percentages are shown according to all the deaths within the age/gender category of each box, although only the leading 10 causes are displayed.

### Section B: Profile Mpumalanga Province

#### Maternal conditions

1. Hypertension in pregnancy (27.7%) n=67
2. Diabetes mellitus (6.0%) n=23
3. Maternal haemorrhage (9.3%) n=19
4. Abortion (6.6%) n=16
5. Maternal sepsis (3.2%) n=7

### All other causes

1. Hypertensive heart disease (27.7%) n=67
2. Diabetes mellitus (26.5%) n=3 017
3. Tuberculosis (17.2%) n=2 024
4. Lower respiratory infections (15.5%) n=1 828
5. Diarrhoeal diseases (4.4%) n=523
6. Ischaemic heart disease (2.6%) n=310
7. Cerebrovascular disease (2.6%) n=309
8. Endocrine nutritional, blood, immune (2.4%) n=285
9. Meningitis/encephalitis (2.3%) n=276
10. Diarrhoeal diseases (2.3%) n=272
11. Diabetes mellitus (2.0%) n=239

#### Section B: National and District Profiles

#### Section B: Profile Mpumalanga Province

#### Age Group

<table>
<thead>
<tr>
<th>Rank</th>
<th>Female</th>
<th>Male</th>
<th>Broadcause</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Lower respiratory infections (23.5%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Diarrhoeal diseases (21.7%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Preterm birth complications (10.1%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Birth asphyxia (8.5%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Protein-energy malnutrition (4.0%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>Sepsis/other newborn infectious (2.0%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Poisons (including herbal) (2.5%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Septicaemia (2.4%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Other perinatal conditions (2.4%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>HIV/AIDS (21.9%)</td>
<td></td>
<td></td>
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#### Age Group

<table>
<thead>
<tr>
<th>Rank</th>
<th>Female</th>
<th>Male</th>
<th>Broadcause</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Lower respiratory infections (19.2%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Diarrhoeal diseases (11.3%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Meningitis/encephalitis (3.3%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>Accidental threats to breathing (3.3%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Epilepsy (2.6%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>HIV/AIDS (21.9%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>Tuberculosis (15.2%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>Lower respiratory infections (13.3%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Poisons (including herbal) (4.9%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>Diarrhoeal diseases (3.7%)</td>
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</tr>
</tbody>
</table>

#### Age Group

<table>
<thead>
<tr>
<th>Rank</th>
<th>Female</th>
<th>Male</th>
<th>Broadcause</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Lower respiratory infections (13.6%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Cerebrovascular disease (5.4%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Diabetes mellitus (4.5%)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>4</td>
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#### Age Group

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## Maternal and Women’s Health

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Source: DHIS.

### Annual trends

![Graphs showing annual trends for maternal mortality, antenatal care, and cervical cancer screening coverage in Mpumalanga Province from 2009 to 2018.](image-url)
## Child and School Health

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<th>Child under 5 years pneumonia case fatality rate (%)</th>
<th>Child under 5 years severe acute malnutrition case fatality rate (%)</th>
<th>Infant inpatient death under 1 year rate (%)</th>
<th>Infant inpatient death under 5 year rate (%)</th>
<th>Infant inpatient early neonatal death rate (per 1K)</th>
<th>Infant inpatient neonatal death rate (per 1K)</th>
<th>Infant PCR test positive around 10 weeks rate (%)</th>
<th>Immunisation coverage under 1 year (%)</th>
<th>Infant exclusively breastfed at DTaP-IPV-Hib-HBV 3rd dose rate (%)</th>
<th>Measles 2nd dose coverage (%)</th>
<th>School Grade 1 screening coverage (%)</th>
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### Annual trends Child and School Health

1. **Impact**
   - Child under 5 years diarrhoea case fatality rate
   - Child under 5 years pneumonia case fatality rate
   - Child under 5 years severe acute malnutrition case fatality rate
   - Inpatient early neonatal death rate

2. **Output**
   - Immunisation coverage under 1 year
   - Infant exclusively breastfed at DTaP-IPV-Hib-HBV 3rd dose rate
   - Measles 2nd dose coverage
   - School Grade 1 screening coverage

### Annual trends HIV

3. **Input**
   - HIV testing coverage (including ANC)
   - Male condom distribution coverage
   - Medical male circumcision rate

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**Measure Names**
- **IndValue**
- **Prov_av**
- **ZA_av**
### Section B: Profile Mpumalanga Province

#### HIV

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| Source: D HIS.
Section B: Profile Mpumalanga Province

Annual trends TB

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<tr>
<td>TB DR client death rate (EDRWeb)</td>
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<td>TB client lost to follow up rate (ETR.Net)</td>
</tr>
<tr>
<td>TB client treatment success rate (ETR.Net)</td>
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<tr>
<td>TB DR client loss to follow up rate (EDRWeb)</td>
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<tr>
<td>TB DR treatment success rate (EDRWeb)</td>
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<td>TB Rifampicin resistance confirmed client rate</td>
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<td>TB/HIV co-infected client on ART rate (ETR.Net)</td>
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|------|------|------|------|------|------|------|------|------|
Non-communicable diseases

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<td>18.9</td>
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</table>

Source: DHIS.

Annual trends

Sub-district value in red – improvement strategies are urgently needed
Value highlighted in yellow – performance is ranked among the 10 best in the country
Value highlighted in red – performance is ranked among the 10 worst in the country
Ehlanzeni District Municipality (DC32)

Ehlanzeni District is situated in Mpumalanga Province and has five health sub-districts: Bushbuckridge, Mbombela, Nkomazi, Thaba Chweu and Umjindi. It shares borders with Swaziland and Mozambique. The district has a population of 1 770 122, with a population density of 63.5 people per km². It falls into socio-economic Quintile 4, among the second-wealthiest districts and has an estimated medical scheme coverage of 11.6%.

Social determinants of health

<table>
<thead>
<tr>
<th>Social Determinant</th>
<th>Value</th>
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<tbody>
<tr>
<td>Unemployment rate</td>
<td>34.4%</td>
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<tr>
<td>Youth unemployment rate (15-34 years)</td>
<td>44.2%</td>
</tr>
<tr>
<td>No schooling</td>
<td>13.8%</td>
</tr>
<tr>
<td>Matric</td>
<td>34.2%</td>
</tr>
<tr>
<td>Higher education</td>
<td>7.7%</td>
</tr>
<tr>
<td>Households</td>
<td>483 903</td>
</tr>
<tr>
<td>Female-headed households</td>
<td>43.7%</td>
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<tr>
<td>Formal dwellings</td>
<td>91.9%</td>
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<tr>
<td>Flush toilet connected to sewerage</td>
<td>19.1%</td>
</tr>
<tr>
<td>Weekly refuse removal</td>
<td>21.7%</td>
</tr>
<tr>
<td>Piped water inside dwellings</td>
<td>16.4%</td>
</tr>
<tr>
<td>Electricity for lighting</td>
<td>95.0%</td>
</tr>
<tr>
<td>Blue Drop water score</td>
<td>46.5%</td>
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Source: StatsSA. 2014 Blue Drop Report.

Population per selected category

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<th>Population category</th>
<th>2017</th>
<th>2018</th>
<th>2019</th>
<th>2020</th>
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<tr>
<td>under 1 year</td>
<td>39 515</td>
<td>39 388</td>
<td>38 643</td>
<td>37 275</td>
</tr>
<tr>
<td>under 5 years</td>
<td>197 654</td>
<td>196 113</td>
<td>193 315</td>
<td>189 527</td>
</tr>
<tr>
<td>05-08 years</td>
<td>193 288</td>
<td>192 916</td>
<td>192 793</td>
<td>193 062</td>
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<tr>
<td>10-14 years</td>
<td>184 434</td>
<td>186 027</td>
<td>187 386</td>
<td>188 090</td>
</tr>
<tr>
<td>15-19 years</td>
<td>175 519</td>
<td>172 891</td>
<td>171 885</td>
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<tr>
<td>20-24 years</td>
<td>170 370</td>
<td>167 728</td>
<td>164 237</td>
<td>160 279</td>
</tr>
<tr>
<td>25-29 years</td>
<td>165 753</td>
<td>165 075</td>
<td>163 620</td>
<td>161 281</td>
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<tr>
<td>30-34 years</td>
<td>134 148</td>
<td>140 624</td>
<td>147 363</td>
<td>153 831</td>
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<td>35-39 years</td>
<td>112 025</td>
<td>113 900</td>
<td>115 185</td>
<td>116 069</td>
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<td>40-44 years</td>
<td>92 204</td>
<td>94 287</td>
<td>96 388</td>
<td>98 472</td>
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<tr>
<td>45-49 years</td>
<td>76 079</td>
<td>77 687</td>
<td>79 298</td>
<td>80 919</td>
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<tr>
<td>50-54 years</td>
<td>62 037</td>
<td>63 691</td>
<td>65 129</td>
<td>66 467</td>
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<tr>
<td>55-59 years</td>
<td>45 982</td>
<td>47 712</td>
<td>49 798</td>
<td>51 885</td>
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<tr>
<td>60-64 years</td>
<td>38 508</td>
<td>38 400</td>
<td>38 125</td>
<td>38 133</td>
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<tr>
<td>65-69 years</td>
<td>28 102</td>
<td>29 211</td>
<td>30 310</td>
<td>31 168</td>
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<tr>
<td>70-74 years</td>
<td>18 823</td>
<td>19 057</td>
<td>19 419</td>
<td>19 965</td>
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<tr>
<td>75-79 years</td>
<td>13 456</td>
<td>13 359</td>
<td>13 199</td>
<td>12 978</td>
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<tr>
<td>80 years and older</td>
<td>13 372</td>
<td>13 567</td>
<td>13 785</td>
<td>14 023</td>
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<tr>
<td>Total</td>
<td>1 721 758</td>
<td>1 732 249</td>
<td>1 741 232</td>
<td>1 749 011</td>
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<tr>
<td>Estimated pregnant women*</td>
<td>42 281</td>
<td>42 145</td>
<td>41 348</td>
<td>39 884</td>
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Population distribution sub-district boundaries and health facility locations
Number of facilities by level, 2016/17

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<tr>
<th>Ward based outreach teams</th>
<th>Clinic</th>
<th>CHC</th>
<th>District Hospital</th>
<th>Regional Hospital</th>
<th>Central/ Tertiary Hospitals</th>
<th>Other Hospitals</th>
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<tbody>
<tr>
<td>Bushbuckridge SD</td>
<td>4</td>
<td>38</td>
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<td>2</td>
<td>1</td>
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<tr>
<td>Mbombela SD</td>
<td>12</td>
<td>30</td>
<td>6</td>
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<td>1</td>
<td>1</td>
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<tr>
<td>Nkomazi SD</td>
<td>24</td>
<td>27</td>
<td>6</td>
<td>2</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>Thaba Chweu SD</td>
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<td>11</td>
<td>0</td>
<td>3</td>
<td>0</td>
<td>0</td>
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<tr>
<td>Umjindi SD</td>
<td>4</td>
<td>11</td>
<td>1</td>
<td>1</td>
<td>0</td>
<td>0</td>
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<td>117</td>
<td>16</td>
<td>8</td>
<td>2</td>
<td>1</td>
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</table>

Source: DHIS.

Human resources – filled posts, 2016

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<tr>
<th>Community Health Workers</th>
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<th>Enrolled nurse</th>
<th>Professional nurse</th>
<th>Medical practitioners</th>
<th>Pharmacists</th>
<th>Dental practitioners</th>
<th>Occupational therapy</th>
<th>Physiotherapy</th>
<th>Speech Therapy and Audiology</th>
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<tbody>
<tr>
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<td>855</td>
<td>906</td>
<td>2 539</td>
<td>502</td>
<td>141</td>
<td>44</td>
<td>54</td>
<td>42</td>
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Source: Persal, DHIS.

Management and efficiency indicators for the service delivery platform, 2016/17

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<td>Percentage of ideal clinics (%)</td>
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Source: DHIS.
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<th>Tertiary/Central Hospital</th>
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<td>Expenditure per patient day equivalent (Rand)</td>
<td>Inpatient bed utilisation rate - total (%)</td>
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Source: DHIS and BAS.
Annual trends Management and efficiency indicators for the service delivery platform, 2016/17

Deaths and Patient day equivalent 2014/15 – 2016/17

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<tr>
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<th>2016/17</th>
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<td>Live births</td>
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<td>23 181</td>
<td>8 052</td>
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<tr>
<td>Still births</td>
<td>44</td>
<td>410</td>
<td>173</td>
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<tr>
<td>Child under 5 years</td>
<td></td>
<td></td>
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<tr>
<td>Death in facility 0-7 days</td>
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<td>184</td>
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<td>Death in facility 8-28 days</td>
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<tr>
<td>Death in facility 29 days - 11 months</td>
<td>-</td>
<td>86</td>
<td>48</td>
</tr>
<tr>
<td>Death in facility 12 – 59 months</td>
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<td>45</td>
<td>34</td>
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<td>Diarrhoea death under 5 years</td>
<td>-</td>
<td>65</td>
<td>18</td>
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<tr>
<td>Pneumonia death under 5 years</td>
<td>-</td>
<td>67</td>
<td>20</td>
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<tr>
<td>Severe acute malnutrition death under 5 years</td>
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<td>TB Deaths</td>
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<td>170</td>
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<td>Inpatient death total</td>
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<td>2 281</td>
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<td>Patient day equivalent</td>
<td>-</td>
<td>525 986</td>
<td>252 582</td>
</tr>
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</table>

Source: DHIS. *MOU – Maternal Obstetric Unit.
### Section B: Profile Mpumalanga Province

#### Burden of disease profile

For the percentage of deaths by broad cause, deaths are classified into four groups namely: (i) injuries; (ii) non-communicable diseases; (iii) HIV and TB; and (iv) communicable diseases. The data are given by gender and age group for the period 2010–2015. The second part of the graph shows the 10 leading single causes of death within each age group (both genders) for 2010–2015 combined.

#### Percentage of deaths by broad cause and leading causes 2010–2015

<table>
<thead>
<tr>
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<th>Female</th>
<th>Male</th>
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<tr>
<td>&lt;5 years</td>
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</tr>
<tr>
<td>5-14</td>
<td>37%</td>
<td>35%</td>
</tr>
<tr>
<td>15-24</td>
<td>28%</td>
<td>16%</td>
</tr>
<tr>
<td>25-64</td>
<td>23%</td>
<td>19%</td>
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<tr>
<td>65+</td>
<td>15%</td>
<td>16%</td>
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<tr>
<td>Total</td>
<td>25%</td>
<td>23%</td>
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<table>
<thead>
<tr>
<th>Rank..</th>
<th>Female</th>
<th>Male</th>
<th>All other causes</th>
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<tbody>
<tr>
<td>1</td>
<td>10%</td>
<td>10%</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>6%</td>
<td>5%</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>4%</td>
<td>4%</td>
<td></td>
</tr>
<tr>
<td>4</td>
<td>3%</td>
<td>3%</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>2%</td>
<td>2%</td>
<td></td>
</tr>
<tr>
<td>6</td>
<td>2%</td>
<td>2%</td>
<td></td>
</tr>
<tr>
<td>7</td>
<td>2%</td>
<td>2%</td>
<td></td>
</tr>
<tr>
<td>8</td>
<td>2%</td>
<td>2%</td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>2%</td>
<td>2%</td>
<td></td>
</tr>
<tr>
<td>10</td>
<td>2%</td>
<td>2%</td>
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### Maternal conditions

<table>
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<th>Maternal conditions</th>
<th>All other causes</th>
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<tbody>
<tr>
<td>1</td>
<td>Indirect maternal (27.3%) n=70</td>
<td></td>
</tr>
<tr>
<td>2</td>
<td>Preterm birth complications in pregnancy (21.4%) n=56</td>
<td></td>
</tr>
<tr>
<td>3</td>
<td>Other maternal (17.4%) n=45</td>
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</tr>
<tr>
<td>4</td>
<td>Abortion (13.3%) n=34</td>
<td></td>
</tr>
<tr>
<td>5</td>
<td>Maternal haemorrhage (12.5%) n=32</td>
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</tr>
<tr>
<td>6</td>
<td>Maternal sepsis (6.1%) n=21</td>
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</tr>
</tbody>
</table>

### Broadcause

- Injury
- NCD
- HIV and TB
- Comm_mat_peri_nut

Percentages are shown according to all the deaths: within the age/gender category of each box, although only the leading 10 causes are displayed.
Maternal and Women’s Health

<table>
<thead>
<tr>
<th>Impact</th>
<th>Outcome</th>
<th>Output</th>
</tr>
</thead>
<tbody>
<tr>
<td>Maternal mortality in facility ratio (per 100k)</td>
<td>Antenatal client initiated on ART rate (%)</td>
<td>Delivery in facility under 18 years rate (%)</td>
</tr>
</tbody>
</table>

**Bushbuckridge SD**
- Numerator: 135.9
- Denominator: 19
- Maternal mortality in facility ratio: 8.5
- Antenatal client initiated on ART rate: 87.0
- Delivery in facility under 18 years rate: 102.4
- Antenatal 1st visit before 20 weeks rate: 79.6
- Cervical cancer screening coverage: 68.6
- Couple year protection rate (WHO): 9.186

**Mlombela SD**
- Numerator: 175.9
- Denominator: 10
- Maternal mortality in facility ratio: 7.0
- Antenatal client initiated on ART rate: 77.3
- Delivery in facility under 18 years rate: 86.9
- Antenatal 1st visit before 20 weeks rate: 76.2
- Cervical cancer screening coverage: 64.2
- Couple year protection rate (WHO): 7.023

**Nkomazi SD**
- Numerator: 114.5
- Denominator: 10
- Maternal mortality in facility ratio: 10.5
- Antenatal client initiated on ART rate: 66.5
- Delivery in facility under 18 years rate: 97.8
- Antenatal 1st visit before 20 weeks rate: 84.3
- Cervical cancer screening coverage: 59.3
- Couple year protection rate (WHO): 7.023

**Thaba Chweu SD**
- Numerator: 41.7
- Denominator: 2
- Maternal mortality in facility ratio: 5.7
- Antenatal client initiated on ART rate: 80.5
- Delivery in facility under 18 years rate: 87.3
- Antenatal 1st visit before 20 weeks rate: 203.6
- Cervical cancer screening coverage: 42.6
- Couple year protection rate (WHO): 1.029

**Umjindi SD**
- Numerator: 1
- Denominator: 2
- Maternal mortality in facility ratio: 10.1
- Antenatal client initiated on ART rate: 11.4
- Delivery in facility under 18 years rate: 110.9
- Antenatal 1st visit before 20 weeks rate: 63.4
- Cervical cancer screening coverage: 793

**Ehlanzeni**
- Numerator: 131.8
- Denominator: 48
- Maternal mortality in facility ratio: 8.4
- Antenatal client initiated on ART rate: 77.8
- Delivery in facility under 18 years rate: 95.3
- Antenatal 1st visit before 20 weeks rate: 83.2
- Cervical cancer screening coverage: 63.2

**Mpumalanga**
- Numerator: 129.6
- Denominator: 116.9
- Maternal mortality in facility ratio: 8.5
- Antenatal client initiated on ART rate: 65.2
- Delivery in facility under 18 years rate: 61.5
- Antenatal 1st visit before 20 weeks rate: 70.2
- Cervical cancer screening coverage: 70.3

Source: DHIS.
### Child and School Health

#### Impact Outcome

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<tr>
<th>Outcome</th>
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<th>2017</th>
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<tr>
<td>Child under 5 years diarrhoea case fatality rate (%)</td>
<td>6.0</td>
<td>6.3</td>
</tr>
<tr>
<td>Child under 5 years pneumonia case fatality rate (%)</td>
<td>8.6</td>
<td>7.2</td>
</tr>
<tr>
<td>Child under 5 years severe acute malnutrition case fatality rate (%)</td>
<td>7.0</td>
<td>7.0</td>
</tr>
<tr>
<td>Inpatient death under 1 year rate (%)</td>
<td>9.8</td>
<td>9.8</td>
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<tr>
<td>Inpatient death under 5 year rate (%)</td>
<td>6.6</td>
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</tr>
<tr>
<td>Inpatient early neonatal death rate (per 1K)</td>
<td>8.9</td>
<td>8.9</td>
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<tr>
<td>Inpatient neonatal death rate (per 1K)</td>
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<td>9.1</td>
</tr>
<tr>
<td>Infant PCR test positive around 10 weeks rate (%)</td>
<td>10.2</td>
<td>10.0</td>
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<tr>
<td>Immunisation coverage under 1 year (%)</td>
<td>97.2</td>
<td>97.3</td>
</tr>
<tr>
<td>Infant exclusively breastfed at DTaP-IPV-Hib-HBV 3rd dose rate (%)</td>
<td>65.6</td>
<td>65.6</td>
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<tr>
<td>Measles 2nd dose coverage (%)</td>
<td>98.8</td>
<td>98.7</td>
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<tr>
<td>School Grade 1 screening coverage (%)</td>
<td>57.2</td>
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<td>School Grade 8 screening coverage (%)</td>
<td>49.7</td>
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<tr>
<td>Vitamin A dose 12-59 months coverage (%)</td>
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#### Section B: Profile Mpumalanga Province

<table>
<thead>
<tr>
<th>District</th>
<th>Bushbuckridge SD</th>
<th>Mbombela SD</th>
<th>Nkomazi SD</th>
<th>Thaba Chweu SD</th>
<th>Umjindi SD</th>
<th>Ehlanzeni</th>
<th>South Africa</th>
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<td>8</td>
<td>10</td>
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<td>-</td>
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</table>
Annual trends Child and School Health

3_Child and school health

- Child under 5 years diarrhoea case fatality rate
- Child under 5 years pneumonia case fatality rate
- Child under 5 years severe acute malnutrition case fatality rate
- Inpatient early neonatal death rate
- Immunisation coverage under 1 year
- Infant exclusively breastfed at DTaP-IPV-Hib-HBV 3rd dose rate
- Measles 2nd dose coverage
- School Grade 1 screening coverage

Annual trends HIV

4_HIV

- HIV testing coverage (including ANC)
- Male condom distribution coverage
- Medical male circumcision rate

Measure Names
- IndValue
- Prov_av
- ZA_av
### Section B: Profile Mpumalanga Province

#### HIV

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<th>Indicator</th>
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<th>2nd 90-90-90</th>
<th>1st 90-90-90</th>
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<td>71.7</td>
<td>89.8</td>
<td>65.6</td>
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<td>59.8</td>
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<tr>
<td>Blumberg SD</td>
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<td>88.4</td>
<td>55.7</td>
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<td>89.0</td>
<td>63.4</td>
<td>76.1</td>
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<td>Blumberg SD</td>
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<td>89.0</td>
<td>63.4</td>
<td>76.1</td>
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<td>Numborator</td>
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<td>-</td>
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<td>67.4</td>
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Source: DHIS.
### Section B: Profile Mpumalanga Province

#### TB

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<th>IndValue</th>
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<th>ZA_av</th>
</tr>
</thead>
<tbody>
<tr>
<td>TB death rate (ETR.net) (%)</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>TB client initiated on treatment rate (%)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TB/HIV co-infected client on ART rate (ETR.net) (%)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TB client lost to follow up rate (ETR.Net) (%)</td>
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<tr>
<td>TB DR client loss to follow up rate (EDRWeb) (%)</td>
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<td></td>
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</tr>
<tr>
<td>TB Rifampicin resistant confirmed client rate (%)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>TB symptom 5 years and older screened in facility rate (%)</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

### Annual trends

- **TB death rate (ETR.net)**
- **TB DR client death rate (EDRWeb)**
- **TB client lost to follow up rate (ETR.Net)**
- **TB DR client loss to follow up rate (EDRWeb)**
- **TB DR treatment success rate (EDRWeb)**
- **TB Rifampicin resistant confirmed client rate**
- **TB/HIV co-infected client on ART rate (ETR.Net)**
- **TB client initiated on treatment rate (%)**
- **TB symptom 5 years and older screened in facility rate (%)**

Source: DHIS.
**Non-communicable diseases**

<table>
<thead>
<tr>
<th>Measure Names</th>
<th>IndValue</th>
<th>Prov_av</th>
<th>ZA_av</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diabetes Incidence (per1K)</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>Hypertension Incidence (per1K)</td>
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</table>

<table>
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<th>Year</th>
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<th>2017/18</th>
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<td>South Africa</td>
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<td></td>
</tr>
</tbody>
</table>

Source: DHIS.

**Annual trends**

Sub-district value in red – improvement strategies are urgently needed

Value highlighted in yellow – performance is ranked among the 10 best in the country

Value highlighted in red – performance is ranked among the 10 worst in the country