### National Summary Data

<table>
<thead>
<tr>
<th>Province</th>
<th>Total in Need of ART</th>
<th>Total Initiated ART</th>
</tr>
</thead>
<tbody>
<tr>
<td>National Summary</td>
<td>165,267</td>
<td>147,515</td>
</tr>
<tr>
<td>KZN</td>
<td>63,789</td>
<td>42,750</td>
</tr>
<tr>
<td>MP</td>
<td>44,648</td>
<td>36,012</td>
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<tr>
<td>FS</td>
<td>39,840</td>
<td>44,582</td>
</tr>
<tr>
<td>NW</td>
<td>55,599</td>
<td>56,475</td>
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<tr>
<td>EC</td>
<td>144,275</td>
<td>133,232</td>
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<tr>
<td>GP</td>
<td>36,551</td>
<td>34,472</td>
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<tr>
<td>LP</td>
<td>1,117</td>
<td>5,195</td>
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<tr>
<td>NC</td>
<td>12,461</td>
<td>22,479</td>
</tr>
<tr>
<td>WC</td>
<td>563,547</td>
<td>522,711</td>
</tr>
</tbody>
</table>

### National Treatment Gap

- **KZN**: 275,774
- **MP**: 84,950
- **FS**: 50,145
- **NW**: 73,744
- **EC**: 31,381
- **GP**: 233,230
- **LP**: 57,093
- **NC**: 1,813
- **WC**: 42,839

### Average HIV Prevalence

- **KZN**: 39.10%
- **MP**: 32.10%
- **FS**: 31.10%
- **NW**: 29.00%
- **EC**: 28.60%
- **GP**: 30.80%
- **LP**: 20.60%
- **NC**: 15.60%
- **WC**: 15.10%

### Recommendations

1. **Improving Access and Equity**: Focus on high need districts, such as KwaZulu-Natal, to improve access to ART services.
2. **Population-Based Planning**: Use district-level data to plan and implement ART rollout, taking into account the unique needs of each area.
3. **Enhancing Treatment Outcomes**: Address the treatment gap to improve health outcomes and reduce mortality rates.
4. **Policy and System Strengthening**: Strengthen health systems to support ART provision and improve treatment outcomes.

### Additional Notes

- **District-Level Analysis**
- **High Need Districts**: Identified based on population size, urbanization, and HIV prevalence.
- **Treatment Gap**: Calculated to identify areas with the largest need for ART.

**South Africa's Demographic Model**: The model considers various factors to estimate the need for ART, including population size, prevalence rates, and urbanization levels.

**A District-Level Analysis**

1. **High Need Districts**
2. **Treatment Gap**
3. **Average HIV Prevalence**

**Looking at KwaZulu-Natal**

- **KwaZulu-Natal**, the 2nd largest province in South Africa, with the highest HIV prevalence rates, is a significant target for ART rollout.

**KwaZulu-Natal Treatment Gap by District**

- **New Annual Need for ART**
- **Total in Need of ART**
- **Total Initiated ART**
- **HIV Prevalence**

**Targets for ART rollout**

1. **Improve Access to ART Services**
2. **Increase Treatment Uptake**
3. **Reduce Stigma and Discrimination**

**District-Level Analysis**

- **High Need Districts**
- **Treatment Gap**
- **Average HIV Prevalence**

**Looking at**

- **KwaZulu-Natal**
- **High Need Districts**

**District-Level Analysis**

- **High Need Districts**
- **Treatment Gap**
- **Average HIV Prevalence**

**Recommendations**

1. **Improving Access and Equity**
2. **Population-Based Planning**
3. **Enhancing Treatment Outcomes**
4. **Policy and System Strengthening**