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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Independent studies** | | | | | | | | **Province** | **n** | **Haemoglobinf**  **(g/dl)** | | **Anaemia prevalence (%)** | | **Serum ferritin levelsf**  **(µg/l)** | | **Iron deficiency prevalence (%)** | |
| **Province**  **(year)** | **n** | **Before screeningb** | | **After screeningc** | | | |  | |
| **Anaemia prevalenced**  **(%)** | **Iron deficiency prevalencee**  **(%)** | **SF levels**  **per group**  **(µg/l)** | **Hb**  **per group**  **(g/dl)** | **Anaemia prevalence**  **(%)** | **Iron deficiency**  **prevalence**  **(%)** |
| Western Cape  (2006) | 361 | Data not available | Data not available | *Control*  20.4 (5.2,37.7) | *Controlg*  11.87 ± 4.9 | 17.2 | 23.1 | Western Cape | 32 | 12.4 (12.1-12.7) | | 18.8 | | 46.4 (34.3-58.5) | | 4.2 | |
| *Tx 1:*  22.5 (5.9, 49.4) | *Tx1:*  11.85 ± 5 |
| *Tx 2:*  19.2 (5.6, 44.2) | *Tx 2:*  11.90 ± 5 | Northern Cape | 9 | 12.3 (10.9-13.6) | | 22.2 | | 54.3 (31.6-77) | | 0 | |
| *Tx 3:*  20.1 (7.2, 44.9) | *Tx 3:*  11.90 ± 4.4 |
| Northern Cape  (2009) | 200 | 5.4 | 3.3 | *Control:h*  19.4 (18.6, 21.8) | *Control:h*  12.6(12.3-12.8) | 7.3 | Data not available | North West | 37 | 12.1 (11.8-12.4) | | 27 | | 33.9 (24-43.8) | | 2.9 | |
| *Tx:*  18.5 (17.1, 21.1) | *Tx:*  12.5(12.3-12.7) |
| North West  (2010) | 407 | 6.9 | 14.8 | 30.56 ± 22.44 | 12.65 ± 0.96 | 7.1 | 15.7 | KwaZulu-Natal | 97 | 12.4(12.1-12.7) | | 14.4 | | 56.5 (48.3-64.8) | | 2.2 | |
| KwaZulu-Natal  (2009) | 321 | 11.5 | 7.3 | *Control:i*  19.46 (3.8, 62.8) | *Control:*  12.06 ± 0.85 | 20.9 | 20.6 |
| **National Food Consumption Survey-Fortification Baseline of 2005** | | | | | | | | | |
| *Tx 1:*  21.46 (3.1, 73.1) | *Tx 1:*  12.04 ± 0.78 |
| *Tx 2:*  19.5 (3.8, 68.9) | *Tx 2:*  12.09 ± 0.73 | National data | | 499 | 12.3(12.2-12.4) | | 18.6 | | 46.3 (42.1-50.5) | | 4.4 |
| *Tx 3:*  20.0 (3.9, 72.3) | *Tx 3:*  12.16 ± 0.88 |