## Antenatal iron deficiency Audit data collection

### Patient demographics
- Patient identification (URN/medical record number)
- Delivery date
- Gravidity (G)
- Parity (P)
- Height (cm)
- Weight (kg)
- BMI
- Care model/antenatal clinic e.g.:
  - Antenatal clinic
  - Midwifery clinic
  - GP shared care
  - Other:
- Date of last delivery
- Any identified risk factor(s) for iron depletion? (Select all that apply)
  - Consecutive pregnancy < 1 year following delivery
  - Previous PPH
  - Previous anaemia
  - Multiple pregnancy
  - Jehovah's witness
  - Vegetarian
  - Aboriginal and Torres Strait Islander
  - Other:
- Comorbidity

### Oral iron supplementation
- Was oral iron prescribed? (Choose one answer)
  - Yes/No/Unknown
- Date prescribed
- Product
  - Ferro-grad®
  - Ferro-grad C®
  - Ferro-F-tab®
  - Maltofer®
  - Maltofer Syrup®
  - Ferro-grad F®
  - Fefol Iron & Folate Supplement®
  - Ferro-Tab®
  - Ferro-Liquid®
  - Other:
- Document prescribed iron dose
- Side effects (choose one answer)
  - Yes/No/Unknown
- What are the side effects? (Select all that apply)
  - Constipation
  - Diarrhoea
  - Nausea
  - Vomiting
  - Heartburn
  - Abdominal pain
  - Other:
- Compliance (appropriate management of iron intolerance) (choose one answer)
  - Yes, compliant with oral iron
  - No
- Was IV iron given? (Choose one answer)
  - Yes/No/Unknown
- Date when was IV iron given
- Product (choose one answer)
  - Ferric carboxymaltose FERINJECT®
  - Iron polymaltose FERROSIG®
  - Iron polymaltose FERRUM H®
  - Iron sucrose VENOFER®
  - Other:
- Dose
- Side effects (choose one answer)
  - Yes/No/Unknown
- What are the side effects? (Please list)

### Bloods on admission to deliver
- Date
- Haemoglobin (g/L)
- MCV
- MCH
- RDW
- Other

### Delivery complications
- Blood loss (mL)
- Did the patient receive a transfusion postpartum? (choose one answer)
  - Yes/No/Unknown

### Follow-up bloods
- Date
- Haemoglobin (g/L)
- MCV
- MCH
- RDW
- Ferritin
- B12
- Folate

### First, second and third trimester bloods
#### Date and trimester
- Haemoglobin (g/L)
- MCV
- MCH
- RDW
- Ferritin/B12/Folate
- Electrophoresis
  - Not indicated
  - Indicated but not checked
  - Normal
  - Haemoglobinopathy detected

### Additional bloods
#### Date and trimester
- Haemoglobin (g/L)
- MCV
- MCH
- RDW
- Other

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## Antenatal iron deficiency

### Audit results template

<table>
<thead>
<tr>
<th>Project</th>
<th>Improving maternity blood management - improving identification and management of iron deficiency and anaemia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aim</td>
<td>This audit aims to gain an understanding of the clinical practice in the screening and management of iron deficiency and anaemia in the antenatal clinic at [organisation name].</td>
</tr>
<tr>
<td>Background</td>
<td>[Organisation name] is conducting a practice improvement project to improve maternal blood management by identifying and managing iron deficiency and anaemia.</td>
</tr>
<tr>
<td>Audit</td>
<td>[Number of audit responses] total responses</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Indicator</th>
<th>MM/YY Pre-pilot</th>
<th>MM/YY Post-pilot</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Investigations</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Hb results at booking</td>
<td>[% (%/total responses)]</td>
<td>[% (%/total responses)]</td>
</tr>
<tr>
<td>Number of screened women with Hb ≤ 110 g/L</td>
<td>[% (%/total responses)]</td>
<td>[% (%/total responses)]</td>
</tr>
<tr>
<td>MCV results at booking</td>
<td>[% (%/total responses)]</td>
<td>[% (%/total responses)]</td>
</tr>
<tr>
<td>Ferritin results at booking</td>
<td>[% (%/total responses)]</td>
<td>[% (%/total responses)]</td>
</tr>
<tr>
<td>Number of screened women with ferritin ≤ 30</td>
<td>[% (%/total responses)]</td>
<td>[% (%/total responses)]</td>
</tr>
<tr>
<td>Identification of women at risk for iron deficiency</td>
<td>[% (%/total responses)]</td>
<td>[% (%/total responses)]</td>
</tr>
<tr>
<td>Hb results at 28 weeks/second trimester</td>
<td>[% (%/total responses)]</td>
<td>[% (%/total responses)]</td>
</tr>
<tr>
<td>Number of screened women with Hb ≤ 105 g/L</td>
<td>[% (%/total responses)]</td>
<td>[% (%/total responses)]</td>
</tr>
<tr>
<td>MCV results at 28 weeks/second trimester</td>
<td>[% (%/total responses)]</td>
<td>[% (%/total responses)]</td>
</tr>
<tr>
<td>Ferritin results at 28 weeks/second trimester</td>
<td>[% (%/total responses)]</td>
<td>[% (%/total responses)]</td>
</tr>
<tr>
<td>Number of screened women with ferritin ≤ 30</td>
<td>[% (%/total responses)]</td>
<td>[% (%/total responses)]</td>
</tr>
<tr>
<td>Hb results at 36 weeks/third trimester</td>
<td>[% (%/total responses)]</td>
<td>[% (%/total responses)]</td>
</tr>
<tr>
<td>Number of screened women with Hb ≤ 110 g/L</td>
<td>[% (%/total responses)]</td>
<td>[% (%/total responses)]</td>
</tr>
<tr>
<td>MCV results at 36 weeks/third trimester</td>
<td>[% (%/total responses)]</td>
<td>[% (%/total responses)]</td>
</tr>
<tr>
<td>Ferritin results at 36 weeks/third trimester</td>
<td>[% (%/total responses)]</td>
<td>[% (%/total responses)]</td>
</tr>
<tr>
<td>Number of screened women with ferritin ≤ 30</td>
<td>[% (%/total responses)]</td>
<td>[% (%/total responses)]</td>
</tr>
<tr>
<td>Hb results at admission/delivery</td>
<td>[% (%/total responses)]</td>
<td>[% (%/total responses)]</td>
</tr>
<tr>
<td>Anaemia at delivery (≤ 110 g/L)</td>
<td>[% (%/total responses)]</td>
<td>[% (%/total responses)]</td>
</tr>
<tr>
<td><strong>Treatment</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Evidence of oral iron prescribed when indicated</td>
<td>[% (%/total responses)]</td>
<td>[% (%/total responses)]</td>
</tr>
<tr>
<td>Appropriate dose for oral iron</td>
<td>[% (%/total responses)]</td>
<td>[% (%/total responses)]</td>
</tr>
<tr>
<td>If yes, was appropriate duration of treatment prescribed</td>
<td>[% (%/total responses)]</td>
<td>[% (%/total responses)]</td>
</tr>
<tr>
<td><strong>Follow-up</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Repeat Hb checked</td>
<td>[% (%/total responses)]</td>
<td>[% (%/total responses)]</td>
</tr>
<tr>
<td>Adequate response to treatment</td>
<td>[% (%/total responses)]</td>
<td>[% (%/total responses)]</td>
</tr>
<tr>
<td>Appropriate use of IV iron</td>
<td>[% (%/total responses)]</td>
<td>[% (%/total responses)]</td>
</tr>
</tbody>
</table>