SuppFig1 - Visit-adjusted line plots of the numbers of serum ferritin measurements in eight Finnish regions. The chosen regions had the most available serum ferritin measurements in our dataset. The line plots were smoothed using a 3-month moving average.
SuppFig2 - Histograms of all available SF levels (A), log10-transformed SF levels with different threshold levels (B), log10-transformed smoothed SF levels for different age groups (C) and log10-transformed smoothed SF levels for both sexes (D). In panels C and D, the medians of the groups are marked with vertical dashed lines. The Kruskal-Wallis test was used to compare different groups in panels C and D. Plots A and B were graphed using R’s base plotting functions. For C and D, the ggplot2 library was used.
**Supplementary table 1.** Synlab’s age and sex specific reference values for haemoglobin (Hb), mean corpuscular volume (MCV), and mean corpuscular haemoglobin (MCH).

| Age          | Hb (g/l) | MCV (fl) | MCH (pg) |
|--------------|----------|----------|----------|
| < 3 days     | 150-220  | 100-112  | 33 – 39  |
| 3 – 7 days   | 143-207  | 98-112   | 33 – 39  |
| 7 – 21 days  | 120-206  | 95-107   | 32 – 37  |
| 21 – 31 days | 95-180   | 90-107   | 31 – 36  |
| 1 – 2 months | 95-160   | 86-103   | 29 – 35  |
| 2 – 4 months | 95-130   | 74-95    | 25 – 34  |
| 4 – 12 months| 100-141  | 72-87    | 24 – 29  |
| 1 – 3 years  | 100-141  | 72-87    | 24 – 29  |
| 3 – 10 years | 110-149  | 76-92    | 24 – 29  |
| Girls 10-13 years | 118-148 | 77-93    | 26 – 32  |
| Boys 10-13 years | 110-152 | 77-93    | 26 – 32  |
| Girls 13-15 years | 118-148 | 80-94    | 27 – 33  |
| Boys 13-15 years | 119-164 | 80-94    | 27 – 33  |
| Girls > 15 years | 117-155 | 82-98    | 27 – 33  |
| Boys > 15 years  | 134-167  | 82-98    | 27 – 33  |