**Appendix**

Graphical user interface, text, application, email

Description automatically generated

Supplementary Fig. 1 Example mobile device form

Table

Description automatically generated

Supplementary Fig. 2 Generated HMIS printable form

Chart, line chart

Description automatically generated

Supplementary Fig. 3 Generated plots

# Table Description automatically generated

Supplementary Fig. 4 Full history of transactions of each commodity

# A picture containing text, receipt Description automatically generated Table Description automatically generated

Supplementary Fig. 5. HMIS Forms: Integrated Antenatal Register and Integrated Maternity Register