

# Maternity Services Data Set (MSDS) Data Model v2.0

COLOUR KEY	
	Mother's Details
	Mother's Booking and Diagnosis Details
	Care Contact and Activities
	Mother's Labour and Activity Details
	Baby's Details
	Hospital Provider Spells
	Anonymous Assessments and Findings
	Header and Reference Data

MSD000 MSDS Header	
	<b>Data Set Version Number</b> <b>Organisation Identifier (Code of Provider)</b> <b>Organisation Identifier (Code of Submitting Organisation)</b> <b>Primary Data Collection System In Use</b> <b>Reporting Period Start Date</b> <b>Reporting Period End Date</b> <b>Data Set Created Date</b> <b>Data Set Created Time</b>

MSD601 Anonymous Self-Assessment	
	<b>Assessment Tool Completion Date</b> <b>Coded Assessment Tool Type (SNOMED CT)</b> <b>Person Score</b> Activity Location Type Code Organisation Identifier (Code of Commissioner)

MSD602 Anonymous Findings	
	<b>Clinical Intervention Date</b> Finding Scheme in Use Coded Finding (Coded Clinical Entry) Organisation Identifier (Code of Commissioner)

MSD502 Hospital Spell Commissioner	
FK1	<b>Hospital Provider Spell Number</b> <b>Organisation Identifier (Code of Commissioner)</b> <b>Start Date (Commissioner Assignment Period)</b> End Date (Commissioner Assignment Period)

MSD503 Ward Stay	
FK1	<b>Hospital Provider Spell Number</b> <b>Start Date (Ward Stay)</b> Start Time (Ward Stay) End Date (Ward Stay) End Time (Ward Stay) Organisation Site Identifier (Of Treatment) Ward Code

MSD901 Staff Details	
PK	<b>Care Professional Local Identifier</b>
	Professional Registration Body Code Professional Registration Entry Identifier Care Professional Staff Group (Maternity) Occupation Code Care Professional (Job Role Code)

MSD102 Maternity Care Plan	
FK1	<b>Pregnancy Identifier</b> <b>Maternity Care Plan Date</b> Maternity Care Plan Type Maternity Personalised Care Plan Indicator Continuity of Carer Pathway Indicator Care Professional Local Identifier Care Professional Team Local Identifier Organisation Site Identifier (Of Planned Delivery) Maternity Care Setting (Of Planned Delivery) Planned Delivery Setting Change Reason (Antenatal)

MSD103 Dating Scan Procedure	
FK1	<b>Pregnancy Identifier</b> <b>Activity Offer Date (Dating Ultrasound Scan)</b> Offer Status (Dating Ultrasound Scan) Procedure Date (Dating Ultrasound Scan) Gestation Length (Dating Ultrasound Scan) Number of Fetuses (Dating Ultrasound Scan) Local Fetal Identifier Fetal Order Abnormality Detected Indicator (Dating Ultrasound Scan) Organisation Identifier (Of Dating Ultrasound Scan)

MSD501 Hospital Provider Spell	
PK	<b>Hospital Provider Spell Number</b>
FK1	<b>Pregnancy Identifier</b> <b>Start Date (Hospital Provider Spell)</b> Start Time (Hospital Provider Spell) Source of Admission Code (Hospital Provider Spell) Patient Classification Code Admission Method Code (Hospital Provider Spell) Discharge Date (Hospital Provider Spell) Discharge Time (Hospital Provider Spell) Discharge Method Code (Hospital Provider Spell) Discharge Destination Code (Hospital Provider Spell)

MSD504 Assigned Care Professional	
FK1	<b>Hospital Provider Spell Number</b> <b>Care Professional Local Identifier</b> Care Professional Team Local Identifier <b>Start Date (Care Professional Admitted Care Episode)</b> End Date (Care Professional Admitted Care Episode) Treatment Function Code (Maternity)

MSD403 Provisional Diagnosis (Neonatal)	
FK1	<b>Local Patient Identifier (Extended (Baby))</b> <b>Diagnosis Scheme in Use</b> <b>Provisional Diagnosis (Coded Clinical Entry)</b> Provisional Diagnosis Date

MSD402 Neonatal Admission	
FK1	<b>Local Patient Identifier (Extended (Baby))</b> <b>Transfer Start Date (Neonatal Unit)</b> Transfer Start Time (Neonatal Unit) Organisation Site Identifier (Of Admitting Neonatal Unit) Neonatal Critical Care Admission Indicator

MSD404 Diagnosis (Neonatal)	
FK1	<b>Local Patient Identifier (Extended (Baby))</b> <b>Diagnosis Scheme in Use</b> <b>Diagnosis (Coded Clinical Entry)</b> Diagnosis Date

MSD002 GP Practice Registration	
FK1	<b>Local Patient Identifier (Extended (Mother))</b> <b>General Medical Practice Code (Patient Registration (Mother))</b> Start Date (GMP Patient Registration) End Date (GMP Patient Registration) Organisation Identifier (GP Practice Responsibility)

MSD003 Social and Personal Circumstances	
FK1	<b>Local Patient Identifier (Extended (Mother))</b> <b>Social and Personal Circumstance (SNOMED CT)</b> <b>Social and Personal Circumstance Recorded Date</b>

MSD001 Mother's Demographics	
PK	<b>Local Patient Identifier (Extended (Mother))</b>
	<b>Organisation Identifier (Local Patient Identifier (Mother))</b> <b>Person Birth Date (Mother)</b> Organisation Identifier (Residence Responsibility) NHS Number (Mother) NHS Number Status Indicator Code (Mother) Postcode of Usual Address (Mother) Ethnic Category (Mother) Person Death Date (Mother) Person Death Time (Mother)

MSD004 Overseas Visitor Charging Category	
FK1	<b>Local Patient Identifier (Extended (Mother))</b> <b>Overseas Visitor Charging Category</b> Overseas Visitor Charging Category Applicable Date

MSD104 Coded Scored Assessment (Pregnancy)	
FK1	<b>Pregnancy Identifier</b> <b>Coded Assessment Tool Type (SNOMED CT)</b> <b>Person Score</b> Assessment Tool Completion Date

MSD105 Provisional Diagnosis (Pregnancy)	
FK1	<b>Pregnancy Identifier</b> <b>Diagnosis Scheme in Use</b> <b>Provisional Diagnosis (Coded Clinical Entry)</b> Provisional Diagnosis Date Local Fetal Identifier Fetal Order

MSD106 Diagnosis (Pregnancy)	
FK1	<b>Pregnancy Identifier</b> <b>Diagnosis Scheme in Use</b> <b>Diagnosis (Coded Clinical Entry)</b> Maternity Complicating Diagnosis Indicator Diagnosis Date Local Fetal Identifier Fetal Order

MSD107 Medical History (Previous Diagnosis)	
FK1	<b>Pregnancy Identifier</b> <b>Diagnosis Scheme in Use</b> <b>Previous Diagnosis (Coded Clinical Entry)</b> Diagnosis Date

MSD101 Pregnancy and Booking Details	
PK	<b>Pregnancy Identifier</b>
FK1	<b>Local Patient Identifier (Extended (Mother))</b> <b>Organisation Identifier (Code of Commissioner)</b> <b>Appointment Date (Formal Antenatal Booking)</b> Pregnancy First Contact Date Estimated Date of Delivery (Agreed) Organisation Site Identifier (Of Antenatal Booking) Method of Estimated Date of Delivery (Agreed) Source of Referral for Maternity Organisation Identifier (Provider of Origin) Organisation Identifier (Receiving) Late Antenatal Booking Appointment Reason Care Professional Type (Pregnancy First Contact) Last Menstrual Period Date Disability Indicator (At Antenatal Booking) Language Code (Preferred) Mental Health Prediction and Detection Indicator (At Antenatal Booking) Complex Social Factors Indicator (At Antenatal Booking) Employment Status (Mother at Antenatal Booking) Support Status Indicator (At Antenatal Booking) Employment Status (Partner at Antenatal Booking) Pregnancy Total Previous Caesarean Sections Pregnancy Total Previous Live Births Pregnancy Total Previous Stillbirths Pregnancy Total Previous Losses Less Than 24 Weeks Folic Acid Supplement Status (At Antenatal Booking) Discharge Date (Mother Maternity Services) Primary Discharge Reason (Mother Maternity Services)

MSD301 Labour and Delivery	
PK	<b>Labour and Delivery Identifier</b>
FK1	<b>Pregnancy Identifier</b> Organisation Site Identifier (At Start of Intrapartum Care) Maternity Care Setting (At Start of Intrapartum Care) Planned Delivery Setting Change Reason (Labour) Labour or Delivery Onset Method Code Onset of Established Labour Date Onset of Established Labour Time Procedure Date (Caesarean Section) Procedure Time (Caesarean Section) Start Date (Mother Labour and Delivery Hospital Provider Spell) Start Time (Mother Labour and Delivery Hospital Provider Spell) Decision to Deliver Date Decision to Deliver Time Admission Method Code (Mother Labour and Delivery Hospital Provider Spell) Discharge Date (Mother Post Labour and Delivery Hospital Provider Spell) Discharge Time (Mother Post Labour and Delivery Hospital Provider Spell) Discharge Method Code (Mother Post Delivery Hospital Provider Spell) Discharge Destination Code (Mother Post Delivery Hospital Provider Spell) Organisation Identifier (Postnatal Pathway Lead Provider)

MSD109 Finding and Observation (Mother)	
FK1	<b>Pregnancy Identifier</b> Local Fetal Identifier Fetal Order Finding Date Finding Scheme in Use Coded Finding (Coded Clinical Entry) Observation Date Observation Scheme in Use Coded Observation (Clinical Terminology) Observation Value UCUM Unit of Measurement

MSD302 Care Activity (Labour and Delivery)	
FK1	<b>Labour and Delivery Identifier</b> <b>Clinical Intervention Date (Mother)</b> Clinical Intervention Time (Mother) Clinical Contact Duration of Care Activity Care Professional Local Identifier Care Professional Team Local Identifier Local Fetal Identifier Fetal Order Maternal Critical Incident Indicator Procedure Scheme in Use Coded Procedure and Procedure Status (Coded Clinical Entry) Finding Scheme in Use Coded Finding (Coded Clinical Entry) Observation Scheme in Use Coded Observation (Clinical Terminology) Observation Value UCUM Unit of Measurement

MSD108 Family History at Booking	
FK1	<b>Pregnancy Identifier</b> <b>Situation Scheme in Use</b> <b>Coded Situation (Clinical Terminology)</b>

MSD201 Care Contact (Pregnancy)	
PK	<b>Care Contact Identifier</b>
FK1	<b>Pregnancy Identifier</b> <b>Care Contact Date</b> Care Contact Time Organisation Identifier (Code of Commissioner) Administrative Category Code Clinical Contact Duration of Care Contact Consultation Type Care Contact Subject Consultation Medium Used Activity Location Type Code Organisation Site Identifier (Of Treatment) Group Therapy Indicator Attended or Did Not Attend Code Care Contact Cancellation Date Care Contact Cancellation Reason Replacement Appointment Date Offered Replacement Appointment Booked Date

MSD202 Care Activity (Pregnancy)	
PK	<b>Care Activity Identifier (Mother)</b>
FK1	<b>Care Contact Identifier</b> Care Professional Local Identifier Care Professional Team Local Identifier Clinical Contact Duration of Care Activity Local Fetal Identifier Fetal Order Procedure Scheme in Use Coded Procedure and Procedure Status (Coded Clinical Entry) Finding Scheme in Use Coded Finding (Coded Clinical Entry) Observation Scheme in Use Coded Observation (Clinical Terminology) Observation Value UCUM Unit of Measurement

MSD203 Coded Scored Assessment (Contact)	
FK1	<b>Care Activity Identifier (Mother)</b> <b>Coded Assessment Tool Type (SNOMED CT)</b> <b>Person Score</b>

MSD401 Baby's Demographics and Birth Details	
PK	<b>Local Patient Identifier (Extended (Baby))</b>
FK1	<b>Labour and Delivery Identifier</b> <b>Organisation Identifier (Local Patient Identifier (Baby))</b> <b>Person Birth Date (Baby)</b> <b>Person Birth Time (Baby)</b> <b>Pregnancy Outcome</b> <b>Person Phenotypic Sex</b> Ethnic Category (Baby) NHS Number (Baby) NHS Number Status Indicator Code (Baby) Local Fetal Identifier Birth Order (Maternity Services) Person Death Date (Baby) Person Death Time (Baby) Presentation of Fetus at Onset of Labour or Delivery Gestation Length (At Birth) Delivery Method Code Delivered in Water Indicator Organisation Site Identifier (Of Actual Place of Delivery) Care Professional Local Identifier (Delivering Baby) Maternity Care Setting (Actual Place of Birth) Baby First Feed Date Baby First Feed Time Baby First Feed Breast Milk Indication Code Skin to Skin Contact Indicator (Within One Hour) Discharge Date (Baby Post Delivery Hospital Provider Spell) Discharge Time (Baby Post Delivery Hospital Provider Spell)

MSD405 Care Activity (Baby)	
PK	<b>Care Activity Identifier (Baby)</b>
FK1	<b>Local Patient Identifier (Extended (Baby))</b> <b>Clinical Intervention Date (Baby)</b> Clinical Intervention Time (Baby) Clinical Contact Duration of Care Activity Care Professional Local Identifier Care Professional Team Local Identifier Neonatal Critical Incident Indicator Procedure Scheme in Use Coded Procedure and Procedure Status (Coded Clinical Entry) Finding Scheme in Use Coded Finding (Coded Clinical Entry) Observation Scheme in Use Coded Observation (Clinical Terminology) Observation Value UCUM Unit of Measurement Organisation Identifier (Newborn Blood Spot Screening Laboratory)

MSD406 Coded Scored Assessment (Baby)	
FK1	<b>Care Activity Identifier (Baby)</b> <b>Coded Assessment Tool Type (SNOMED CT)</b> <b>Person Score</b>