

BadgerNet



User Guide

Neonatologists Users

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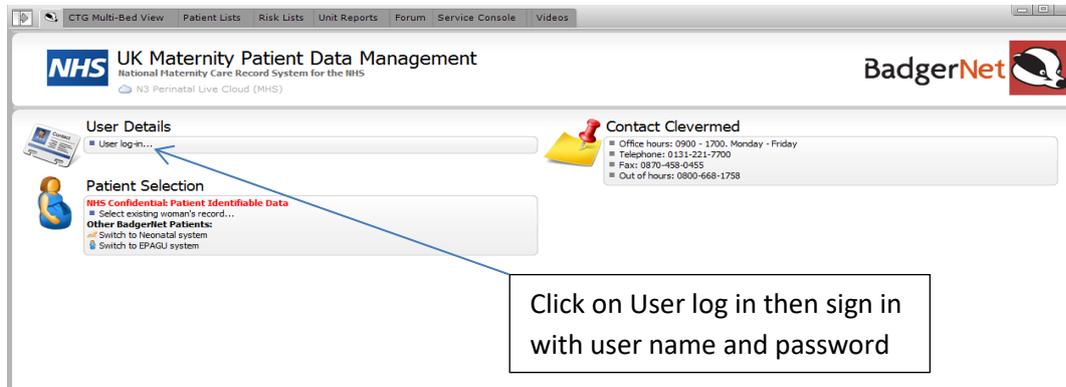
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How to access BadgerNet



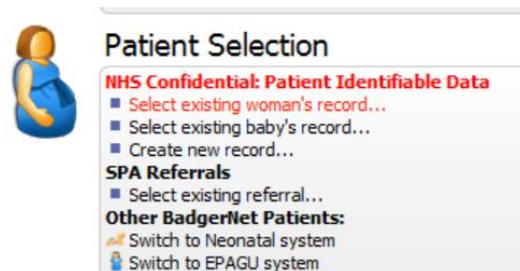
Double Click on the Badger icon

The following screen will appear



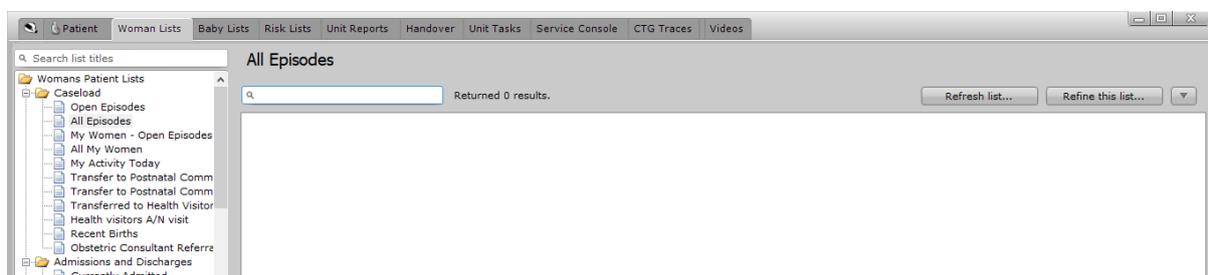
Search for a Patient

Click on Select existing woman's record



Search by NHS Number. Double click on the patient to load the record

(Search defaults to 'open episodes' so if you want to look at a historic pregnancy you must use the 'All Episodes' option)



The patient's pregnancy record will open

How to Navigate through a patients record

The patient's pregnancy summary page gives you an overview of the patient's history and care so far (see below).

- To expand the information click on the 3 bars next to Pregnancy summary
- Yellow flag denotes social issues/concerns/vulnerability
- Maternal Risk factors, which are updated throughout the pregnancy- includes medical risks, mental health risks, social risks, sensitive risks, past obstetric risks, family history and current pregnancy risks
- Alerts (Include maternal alerts, screening and test alerts and baby alerts)

You can click on the appropriate part of the screen to get further information, however remember to 'cancel' out rather than 'save & close' if you are just viewing the record. Only click on 'save' if you have made and updates.

The screenshot shows a patient record for 'Xxtest, Orange-Test - NOT RECORDED, 2072505'. The page is divided into several sections: 'Pregnancy Summary', 'Obstetric History', 'Care Plan Administration', 'Health History at Booking', 'Scan Results', 'Risk Factors and Medical History', and 'Alerts'. A yellow flag icon is visible in the top right corner, indicating social issues or vulnerability. The left sidebar contains navigation options like 'Enter new note...', 'Pregnancy Summary', 'Notes During Pregnancy', 'Labour and Birth', 'Postnatal', 'Full Notes (Woman)', 'Episode Import', 'Social', 'Anaesthetic Summary', 'Perinatal Mental Health', 'Clinical Narrative', 'Task List', 'New Notes', 'Reports', 'Reports (Legacy)', 'Charts', 'Maternity Notes', and 'Administration'. The bottom of the page features an 'Alerts' section with a list of alerts, including 'NHS Number not recorded', 'Cause for concern', and 'Anaesthetic Risks'. The 'Alerts' section is highlighted with a callout box.

Enter New Note
New feature where you can search for any form in Badger e.g. baby risk assessment

Full Notes -
Displays all notes recorded for the mother and there is a separate full notes for the baby

Reports- to find any reports such as social issues, blood tests and results and neonatal summaries

Health History at Booking- click on this to view the medical history in full including the family history e.g. family history of CHD

Alerts visible on the extended banner

Social issues/vulnerability Flag

Obstetric History

Risk Factors and Medical History

Viewing Antenatal Visit Summary

The **Notes during Pregnancy** tab appears down the left hand side. This displays a timeline of events and antenatal contacts in a table. This allows you to see a summary of the pregnancy contacts to include presentation e.g. **breech presentation**.

The maternal risk factors and management plan can be seen at all times for reference.

Xxtest, Acme14 - NOT RECORDED, 5920195
22 Oct 83 (Current Age: 35) | Queen Elizabeth Hospital, GATESHEAD, Tyne and Wear, NE9 6SX
G2 P1+0 | LMP: 10 Jan 18 | Date Booked: 07 Feb 18 | EDD (Dates): 17 Oct 18 | Current Gest: 40+5/40 | Number of Babies (scan): 1 | Booking BMI: 34.95 |

Enter new note...
Pregnancy Summary
Notes During Pregnancy
Labour and Birth
Postnatal
Full Notes
Social
Anaesthetic Summary
Perinatal Mental Health
Clinical Narrative
Task List
New Notes
Reports
Reports
Visit Reports
Referrals
Archived reports
Charts
Fluids Balance
CTG
BP Profile

| | BP | Pr... | En... | Liq... | Fet... | Notes |
|--|-------|-------|-------|-----------|---------|--|
| SEP 24 Other Notes 36+5/40 | | | | | | |
| AUG 17 Other Notes 31+2/40 | - | - | - | - | - | |
| JUL 30 Antenatal Follow-up 28+5/40 | 13... | ... | Ce... | Not En... | 148 ... | |
| JUN 05 Abdominal Pain 20+6/40 | 10... | ... | - | - | 152 ... | Abdo pain for last 2 days Temp slightly |
| APR 09 Other Notes 12+5/40 | - | - | - | - | - | |
| APR 09 Initial Consultant 12+5/40 | 12... | ... | - | - | - | |
| APR 09 Other Notes 12+5/40 | - | - | - | - | - | |
| FEB 07 Antenatal Booking 4+0/40 | 12... | ... | - | - | - | |

Risk Factors
Date Recorded: 17 Oct 18 at 15:17
Gestation: 40+0/40
Medical
Liver disorders, Thrombophilia, BMI more than 30, Latex Allergy, Smoker ≤ 20 per day
Mental Health
Anxiety
Gynaecological
Large Fibroids
Past Obstetric
Gestational Diabetes, Previous PPH with Blood Transfusion
Family History
Other: Family history of CHD
Current Pregnancy
Infertility Treatment
Social
Can't speak or understand English, Social Services Involvement
Anaesthetic
Clotting disorders, Latex allergy

■ Management Plan

Mother's Critical Baby Critical Incidents Alerts Screening and Tests Baby Alerts Switch User

- Contact anaesthetist on Admission
- NHS Number not recorded

You can view each individual visit in more detail by clicking on the contact e.g. antenatal follow up. This will display the forms and information that were recorded in relation to that assessment

Viewing Antenatal Screening

1. Click on the Reports tab.
2. Select 'Blood tests and results' report

The 'Blood tests and results' report will show you a report of all screening tests that have been offered, accepted or declined and results if they have been entered, e.g. infectious disease screening. (Please note you will have to check e-Record for any results not shown.)

The screenshot displays the 'Antenatal Screening' report for patient TESTING, RVRDS TEST (NHS: 105 056 2933, 91655829). The report is titled 'Antenatal Screening' and includes the following information:

- Header:** The Royal Victoria Infirmary Maternity (Newcastle), Queen Victoria Road, Newcastle upon Tyne, Tyne and wear: NE1 4LP. The Newcastle upon Tyne Hospitals NHS Foundation Trust.
- Section:** Antenatal Screening
- Patient Details:** TESTING, RVRDS TEST (NHS: 105 056 2933 | Hospital Number: 91655829), 01 Jan 53 (Current Age: 69) | NO FIXED ABODE, Z299 3VZ, G7 P? | LMP: ? | Booked: ? | EDD: ? | Current Gest: EDD? | Babies on scan: ? | Booking BMI: ? | Blood Group: ?
- Table:** A table titled 'Booking Bloods' with columns: Bloods, Offered / Explained, Accepted / Declined, Date Taken, Results, and Reviewed by. The table lists various blood tests such as Blood Group, Antibodies, Other Antibodies, Hb, Platelets, Hep B, HIV, and Syphilis, all with 'No' in the 'Offered / Explained' column.
- Navigation Bar:** Mother Critical Incidents, Baby Critical Incidents, Alerts, Screening and Tests, Baby Alerts.

Viewing the Neonatal Summary Report

1. Click on the Reports tab in the Baby 1 menu
2. Select 'Neonatal Summary' report

The neonatal summary report will give you a quick summary of antenatal risk factors, labour and birth information and baby details.

The screenshot displays the 'Neonatal Summary' report for patient Xxbadgertesting, Penelope (NHS: 623 774 3294, 393 739 6829). The report is titled 'Neonatal Summary' and includes the following information:

- Header:** The Royal Victoria Infirmary Maternity (Newcastle), Queen Victoria Road, Newcastle upon Tyne, Tyne and wear, NE1 4LP. The Newcastle upon Tyne Hospitals NHS Foundation Trust.
- Section:** Neonatal Summary
- Patient Details:** Xxbadgertesting, Baby (NHS: 623 774 3294 | Hospital Number: ?), DOB: 15 Nov 22 at 11:23 | M | Baby 1 of 1 | 25 Onslow Gardens, Gateshead, Tyne and Wear: NE9 6HL | TEL? | Type of Birth: CS | Gestation at Birth: 41+5 | Birthweight: 3450 | Current weight: 3400 | Appar: 1min: 9 5mins: 10
- Table:** A table titled 'Baby 1 Key Details' with columns: Date of Birth, NHS Number, Final Outcome, Birthweight, Type of Birth, Address, Birthweight Centile, Gestation at Birth, Outcome, Sex of Baby, Birthweight Centile, Place of Birth, and Feeding Type. The table lists details such as Date of Birth (15 Nov 22 at 11:23), NHS Number (6237743294), Final Outcome (Livebirth), Birthweight (3450g), Type of Birth (CS), Address (25 Onslow Gardens, Gateshead, Tyne and Wear, NE9 6HL), Birthweight Centile (Between 9th and 25th centile), Gestation at Birth (41+5), Outcome (Livebirth), Sex of Baby (Male), Birthweight Centile (Between 9th and 25th centile), Place of Birth (The Royal Victoria Infirmary Maternity (Newcastle)), and Feeding Type (Breast Only).
- Navigation Bar:** Mother Critical Incidents (Grade 1 Caesarean Section - Recorded on 15 Nov 22 at 11:14), Baby Critical Incidents, Alerts (High PPH Prevention Assessment Score (2)), Screening and Tests, Baby Alerts (Baby 1 - Not Fed Within 1 Hour).

Viewing the Baby Postnatal Summary

The Baby summary of care appears down the left hand side. When you click on 'Summary of Care' you can view the table, which displays the summary of baby checks completed to include observations, cord, urine, bowels and feeding. The risk factors, management plan and things to do are clearly visible at all times for reference.

The screenshot displays the 'Xttest, Acme14 - NOT RECORDED, 5920195' interface. At the top, it shows patient details: '22 Oct 83 (Age at Delivery: 35) | Queen Elizabeth Hospital, GATESHEAD, Tyne and Wear, NE9 6SX | G2 P2+0 | Date of Delivery: 22 Oct 18 at 23:40 (40+5/40) | Number of Babies: 1 | Booking BMI: 34.95 | Current BMI: 36.33 | Blood Group: A- | Postnatal 62hours | Current Care: Hospital'. Below this is a table with columns: Obs, General Con..., Colour, Eyes, Mouth, Cord, Urine, Bowels, Feeding, and Notes. The table contains three rows of data for 'Other Notes' on 25 Oct, 24 Oct, and 23 Oct. To the right of the table are sections for 'Risk Factors' (Maternal Pyrexia, Diabetes, Labour and Delivery, Difficult delivery), 'Management Plan' (Antenatal - 24 Oct 18 at 15:30, Pre Feed BM prior to next feed), and 'Things to do' (Baby 1 Things To Do, Blood Spot Screening). At the bottom, there are sections for 'Mother's Critical Incidents', 'Baby Critical Incidents', 'Alerts', 'Screening and Tests', 'Baby Alerts', and 'Switch User'.

| | Obs | General Con... | Colour | Eyes | Mouth | Cord | Urine | Bowels | Feeding | Notes |
|-------------------------|-----|----------------|--------|--------|--------|-------------------------|-------|--------|---------|---------------------------------|
| 25 Oct Other Notes P136 | ? | - | Normal | Normal | Normal | Clamp on, Clean and Dry | - | - | ? | - |
| 24 Oct Other Notes P135 | ? | - | Normal | Normal | Normal | Clamp on | Yes | - | ? | Baby awake and alert. Check NAD |
| 23 Oct Other Notes P134 | ? | Appears well | Normal | Normal | Normal | Clamp on | No | - | ? | - |
| 22 Oct Day of Birth | - | - | - | - | - | - | - | - | - | - |

To view each individual contact in more detail, click on the contact you would like to view from the table to see the notes/information recorded in relation to each assessment.

Baby Risk Assessment (Replaces the paper NEWTT chart)

The baby risk assessment auto populates from information that has been recorded from the antenatal and intrapartum period. For example if a patient has been using substances during her pregnancy, patient is diabetic, mother treated for GBS. The baby risk assessment will be completed by the midwife following birth. Please check the baby risk assessment is correct and update the risk assessment with any new risks identified.

Key Links

When you are logged into Badger as a Neonatologist/Paediatrician you will find your 'Key Links' at the bottom of the Pregnancy Summary screen. Key links are designed for quick access to forms that you would frequently use in the system so that you can record your documentation easily.

The screenshot shows the 'Pregnancy Summary' screen for patient BADGERTEST, OUTFAREA. The 'Key Links' section is highlighted with a red box and the text 'Key Links found here'. The 'Key Links' list includes: Obstetric Antenatal Clinic, Antenatal Inpatient Review, Postnatal Ward Round, Triage Assessment, Fetal Note, Fetal Resus and Appars, and Birth Plan (Create). Other sections visible include COVID-19 Assessment, Intrapartum / Immediate Post - Delivery, Social Summary, and Medical Discharge.

Recording a Fetal Care Plan Note

This should be completed following a Fetal Med Review or when Neonatal alert has been received and a fetal plan is required.

1. Select 'Fetal Note' from key links
2. Complete review as required
3. Fetal care plan note will then appear on the alerts banner and fetal care block to highlight this within the record.

The screenshot shows the 'Pregnancy Summary' screen for patient WORKFLOW, TESTONE. The 'Fetal Care' section is highlighted with a red circle, showing 'Fetal Care Plan 29 November 2022 at 08:29'. The 'Alerts' section is also highlighted with a red circle, showing 'Alerts Fetal Plan 29 Nov 22 at 08:29'. Other sections visible include Booking bloods accepted, Booking MSU accepted, COVID-19 Assessment, and Key Links.

Recording Resuscitation and Apgars

1. Select 'Quick Access Resus and Apgars' from Key Links
2. Complete details as required.
3. Save and close once completed

Baby dried and assessed? Yes No 04 Dec 18 at 14:21

Additional Notes
Called to Labour ward to be present for delivery

Apgar Scores

Assessed at 1/60 Yes No - BBA/NA
 Assessed at 5/60 Yes No - BBA/NA
 Assessed at 10/60 Not required Yes No - Neonatal Death No - BBA/NA
 Assessed at 20/60 Not required Yes No - Neonatal Death No - BBA/NA

Apgar Score At 1/60 (5 answers required for calculation)

Heart rate 0 Absent 1 Less than 100bpm 2 100bpm or more
 Respiratory effort 0 Absent 1 Slow, irregular 2 Good or crying
 Muscle tone 0 Limp 1 Some flexion of limbs 2 Active
 Reflex irritability 0 Absent 1 Grimace 2 Cry, active
 Colour 0 Blue, pale 1 Body pink, extremities blue 2 Completely pink
 Apgar Score at 1/60 6

Apgar Score At 5/60 (5 answers required for calculation)

Heart rate 0 Absent 1 Less than 100bpm 2 100bpm or more
 Respiratory effort 0 Absent 1 Slow, irregular 2 Good or crying
 Muscle tone 0 Limp 1 Some flexion of limbs 2 Active
 Reflex irritability 0 Absent 1 Grimace 2 Cry, active
 Colour 0 Blue, pale 1 Body pink, extremities blue 2 Completely pink
 Apgar Score at 5/60 7

Paediatric assessment following shoulder dystocia

1. Using the 'enter new note' feature search for the 'Shoulder Dystocia' pro-forma.
2. Complete documentation in Paediatric assessment tab and additional information tab for parental communication discussion.

CTG Multi-Bed View Woman Lists Baby Lists Risk Lists SPA Referrals Unit Reports Handover Unit Tasks Service Console CTG Traces eLearning

BADGERTEST, OUTOFAREA (NHS: 663 812 1863 | Hospital Number: 91655171)
 31 Jul 99 (Current Age: 23) | FREEMAN HOSPITAL, FREEMAN ROAD, HIGH HEATON, NEWCASTLE UPON TYNE, NE7 7DN
 G2 P1+0 | LMP: 03 Oct 22 | Booked: 12 Dec 22 at 10:18 | EDD (Dates): 10 Jul 23 | Current Gest: 13+5 | Babies on scan: 1 | Booking BMI: ? | Blood Group: ?

NHS Confidential: Patient Identifiable Data

Fetus 1 Paediatric Assessment at Delivery

Any signs of arm weakness No Yes
 Any signs of potential bone fracture No Yes
 Baby admitted to NNU No Yes
 Paediatric Assessment

Assessed by [Dropdown]
 Further follow up required No Yes

Save & Close Cancel

Recording Baby Reviews

Should be completed when a baby is reviewed within a maternity setting

1. Select '**Specialist Review**' from Key Links
2. Complete review as required

 **Xxtest, Baby (NHS: NOT RECORDED | Hospital Number: ?)**
DOB: 15 Oct 18 at 05:00 | M | Baby 1 of 1 | 5 Wasdale Road, NEWCASTLE UPON TYNE, NE5 2TE | TEL?
Type of Delivery: Spontaneous Cephalic | Gestation at Birth: 38+2 | Birthweight: 3400 | Appgar: 1min: ? 5mins: ?

Specialist Review

Date and Time Recorded at Postnatal 7weeks, 1day

Conducted By  Use current user...

Type of User

Location

History/Background Noted Yes No

Examination

Discussion

Review

[Update Risk Assessment](#)

[Update Management Plan](#)

[Cannula Insertion](#)

[Examinations](#)

[Observations](#)

3. Use hyperlinks at the bottom of the specialist review to update the **Risk assessment** and the **Management plan** if any changes or specific actions required. For example baby now requires hourly observations, heat pad, 3 hourly feeds etc.

Updating the Risk assessment

This can be accessed from the 'Specialist Review' note or you can search for the baby risk assessment by using the 'Enter New Note' search function. Once completed and saved the risk assessment can be seen on the Pregnancy Summary.

The screenshot shows a 'Baby Risk Assessment' form for patient Xxtest, FREYA. The patient's details include: NHS: NOT RECORDED, Hospital Number: ?, DOB: 23 Sep 17 at 16:40, F, Baby 1 of 1, Queen Elizabeth Hospital, GATESHEAD, Tyne and Wear, NE9 6SX, TEL?, Type of Delivery: Spontaneous Cephalic, Gestation at Birth: 42+4, Birthweight: 3460, Apgar: 1min: 7, 5mins: 9. The 'Risk Assessment' section shows the date and time as 23 Sep 17 at 14:46, and Postnatal 3 weeks, 2 days. The risk categories are: Maternal Risks (Diabetes), Labour and Delivery Risks (Pre labour rupture of membranes >24 hrs), Post-delivery Risks (Required resuscitation), Current Risks (Other: maternal substance abuse), Current Abnormalities, and Family History of FGM (Yes, No, Unknown). The Risk level is set to High, with Normal Low, Intermediate, and Unknown also visible. A 'Management Plan' button is present, and there is an 'Additional Notes' text area.

Recording/updating the Management Plan

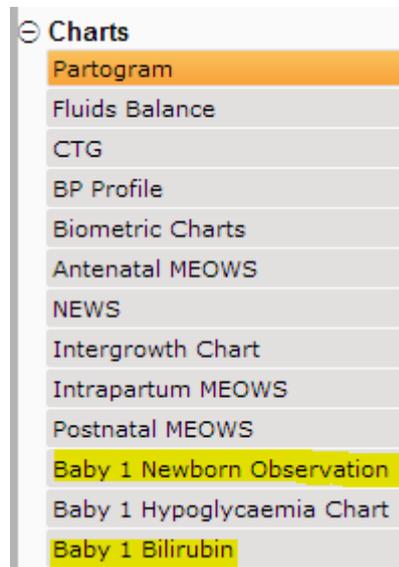
1. Select Management plan from the Key Links.
2. Review and import if you are happy with the plan or to amend it click on revise, complete your changes and save. The management plan can be seen from the pregnancy summary page.

The screenshot shows the 'Recommended Management Plan' and 'Management Plan' sections. The 'Recommended Management Plan' section includes: Pre-labour Rupture of Membranes (4 hourly observations for 24hrs), Contact Paediatrician if any concerns, Maternal Substance Abuse (Complete Finnigan score 4 hourly and if the score exceeds 8 on 3 consecutive readings then treatment should begin. Refer to guideline), Encourage skin to skin and initiation of early breastfeeding, and Daily review by Paediatrician (Check maternal notes for case conference recommendations and discuss care plan for discharge with named midwife for safeguarding). Below this are buttons for 'Update Recommended Management Plan' and 'Import Recommended Management Items'. The 'Management Plan' section contains the same text as the recommended plan but is currently greyed out. At the bottom, there are 'Management Plan Reviewed' radio buttons (Yes, No) and an 'Additional Notes' text area.

(Please note that sometimes the recommended management plan box will be greyed out and does not contain any text as not all risk factors will populate a recommended management plan)

How to view Charts

From the pregnancy summary screen you can access charts down the left hand side by selecting the charts section. View relevant charts required including the Newborn Observations chart and the Bilirubin Chart



How to view Full Notes for Baby

To view all the records for the baby, select Full Notes from the Baby 1 section. Full Notes allows the user viewing the record to look at specific notes that have been recorded, for example all the specialist review, observations, management plans. The user can also customise the filters. The customised filters save to your log in details therefore can be accessed each time you log into the Badger record

Xxtest, Banana - NOT RECORDED, 5920101
22 Jul 97 (Age at Delivery: 21) | 5 Wasdale Road, NEWCASTLE UPON TYNE, NES 2TE
G3 P2+1 | Date of Delivery: 15 Oct 18 at 05:00 (39+2/40) | Number of Babies: 1 | Booking BMI: NOT RECORDED | Blood Group: NOT RECORDED | Postnatal 7

Full Notes Mode: Full Print

DEC 04 04 Dec 18 Postnatal 7weeks, 1day

| Date and Time Recorded | Type of User | Examination |
|------------------------|-------------------|--|
| 04 Dec 18 at 14:18 | Paediatrician | Asked to review baby 4 hours post delivery due to nasal flaring and chest recessions |
| 04 Dec 18 at 13:31 | Corinne Blackburn | Management Plan |

Quick search for forms

The 'Enter New Note' allows the user to search for any new note in the system e.g. baby risk assessment.

The screenshot shows the 'Xxtest, Banana - NOT RECORDED,' interface. At the top, it displays patient information: '22 Jul 97 (Age at Delivery: 21) | 5 Wasdale Road, NEWCASTLE UPO G3 P2+1 | Date of Delivery: 15 Oct 18 at 05:00 (38+2/40) | Number of Babies'. Below this is a navigation menu with options: 'Enter new note...', 'Pregnancy Summary', 'Notes During Pregnancy', 'Labour and Birth', 'Postnatal', 'Full Notes', and 'Episode Import'. To the right, there is a search bar with the text 'Search risk'. Below the search bar, there are two sections: 'Woman Notes' and 'Baby Notes'. Under 'Woman Notes', there are three checked items: 'Incontinence Risk Assessment', 'MRSA/CPE Risk Assessment', and 'Risk Assessment'. Under 'Baby Notes', there is one checked item: 'Risk Assessment'.

Documenting NIPE check

- Continue to record NIPE check on current NIPE system
- Document summary of NIPE in Badger under the Baby Examination Note

The screenshot shows the 'Baby Examination' form. At the top, it displays patient information: 'ZZZTESTING, Baby (NHS: 122 581 9687 | Hospital Number: ?)'. Below this, there is a section for 'Baby Examination' with the following fields: 'Date and Time of Examination' (21 Dec 22 at 13:28), 'Postnatal 6days', 'Examination Type' (First, Detailed/NIPE, Daily, 6 week, 0), 'Consultant Paediatrician', 'Baby Examined By', 'Authorised By', 'Mother/Guardian Consent' (Yes, No, N/A), 'Location Examined', 'ID Check' (Yes, No), 'Method of ID Check', 'Do you agree with the Gestational Age Assessment Below?' (Yes, No, If No, please enter your own assessment), 'Gestational Age Assessment' (37 weeks (Gestation by Examination)), and 'Type of User'. Below this is a section for 'Family History' with the following fields: '1st Degree relative heart abnormalities' (Yes, No, Unkown), '1st Degree relative childhood eye disorder' (Yes, No, Unkown), and '1st degree relative childhood hip abnormalities' (Yes, No, Unkown). Below this is a section for 'Woman's Antenatal Details' with the following fields: 'Breech presentation at or after 36 weeks or at delivery if earlier' (Yes, No, Unkown), 'Fetal down's syndrome or other trisomy diagnosed' (Yes, No, Unkown), 'Major fetal abnormality diagnosed' (Yes, No, Unkown), 'Cardiac abnormality suspected from antenatal scans' (Yes, No, Unkown), and 'Exam Explained to Parents' (Yes, No).

If you require any further support or training please email Nuth.badgernetmaternitysupport@nhs.net