



The Leeds
Teaching Hospitals
NHS Trust

ppm+

Diagnosis

USER GUIDE



#LeedsDigitalWay

CONNECTS • TRANSFORMS • IMPROVES

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Introduction (including information regarding PPM1)

Why is this change happening?

- Allow Diagnoses to be inputted directly into PPM+.
- To support the recording of Diagnoses through tailored eForms.
- Enable reusability of data between Hospital visits. This means clinicians are not required to re-enter known Diagnosis history every time the Patient is seen in Hospital.
- Structured data to enable better reporting.
- To support with the eventual migration over to PPM+ from PPM1.

What benefits will this bring?

- All Diagnoses in one place in PPM+.
- The Diagnosis functionality can be reused within different elements in PPM+.
- Business Intelligence and Research.
- Improved coding (and increased income for the Trust).
- Supporting information to be shared across organisations.

Changes for PPM1 users

PPM1 users will be able to continue to record diagnoses in PPM1. However, the functionality will change to be identical to the PPM+ version of the functionality. Any Diagnoses entered into PPM1 will automatically show in the patient's PPM+ record and vice versa.

Changes for PPM+ users

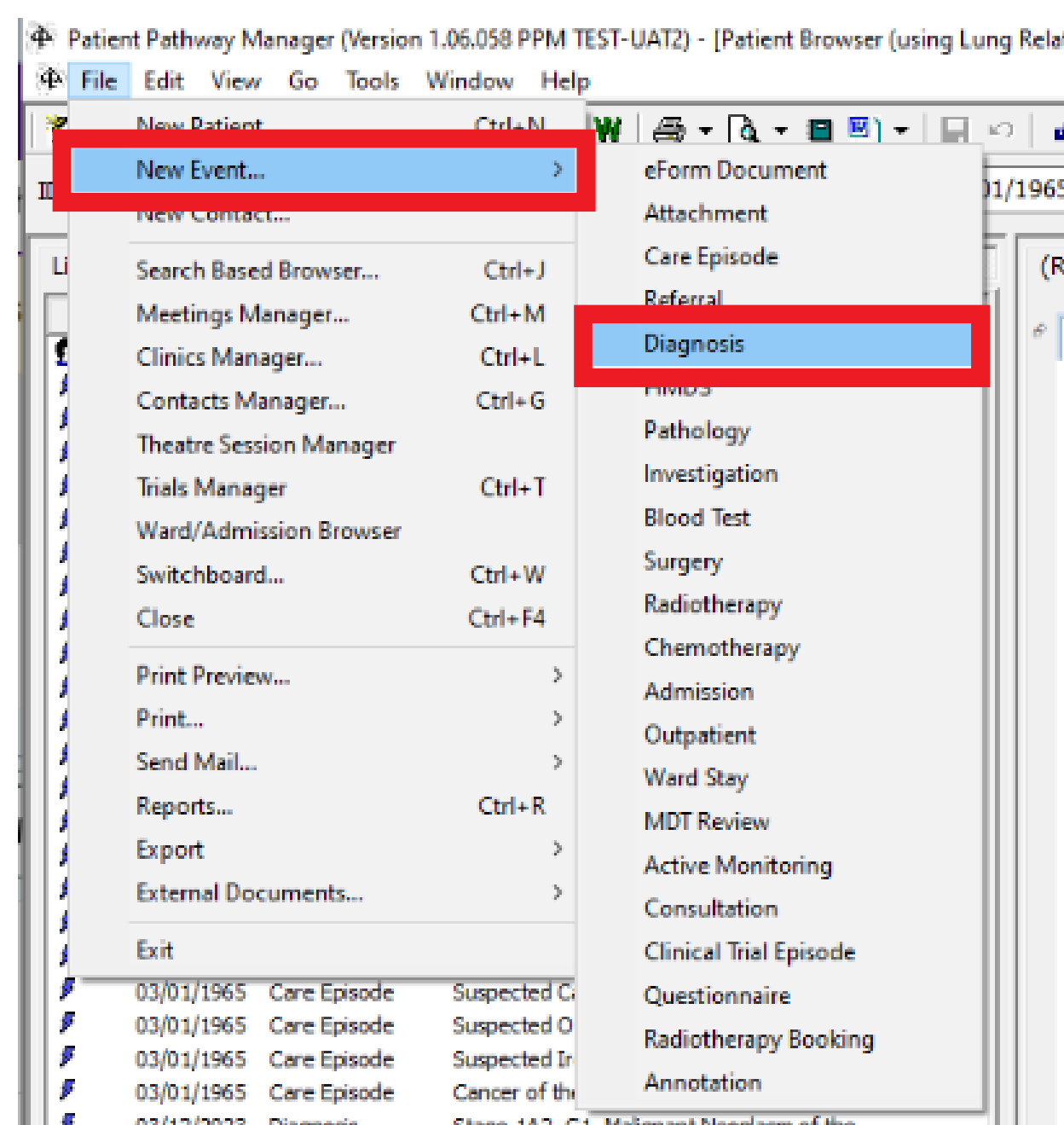
You will now be able to enter Diagnoses via the Problems and Diagnosis dashboard in PPM+ for your patient. The dashboard will contain Diagnoses recorded in PPM+ and PPM1.

Changes to Diagnosis in PPM1

When you add a **Diagnosis** in **PPM1** for your patient, the new **PPM+ Diagnosis** functionality will open within **PPM1**. Any Diagnosis you update in **PPM1** will update in **PPM+** and vice versa.

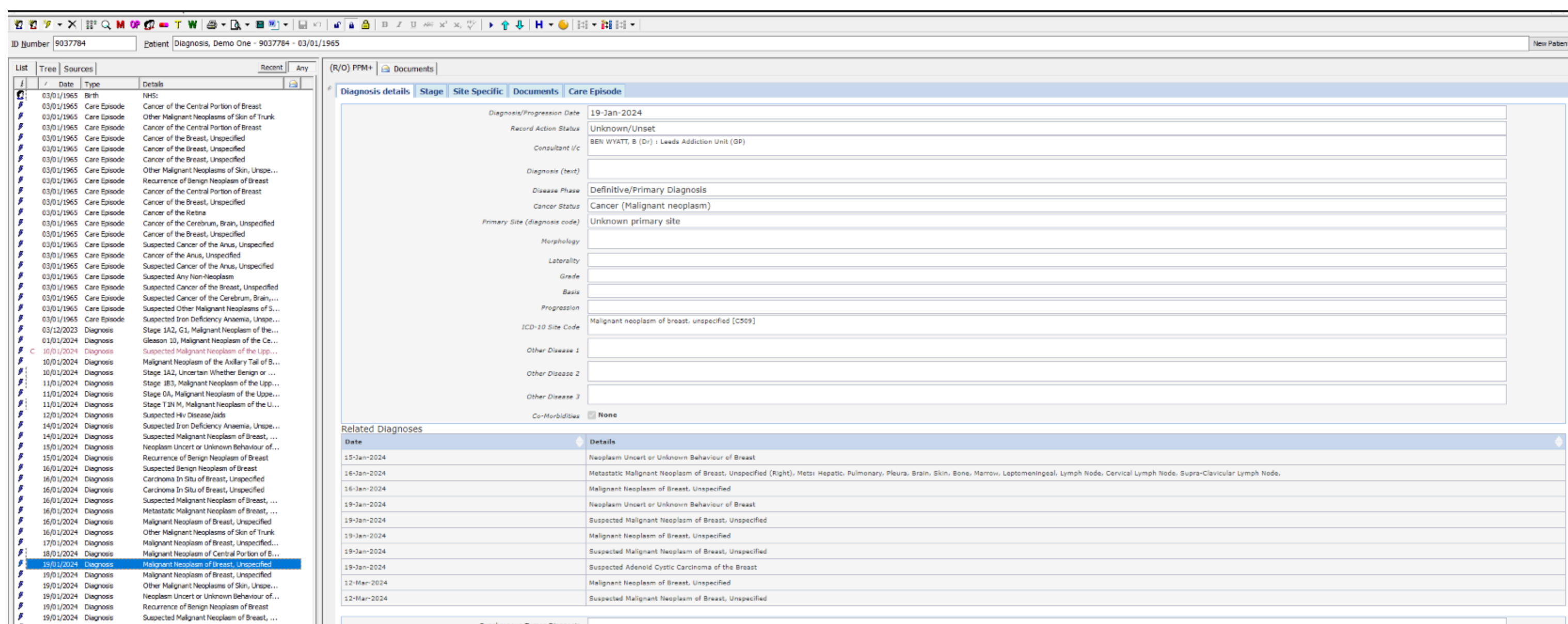
We recommend updating a Patient's **Diagnosis history** in **PPM+** due to more functionality being available and **Diagnosis history** being in a clearer view.

To add a **Diagnosis** via **PPM1**, go into your required **Patient's record**, click on **File > New Event > Diagnosis**. The **PPM+ Diagnosis** functionality will open.

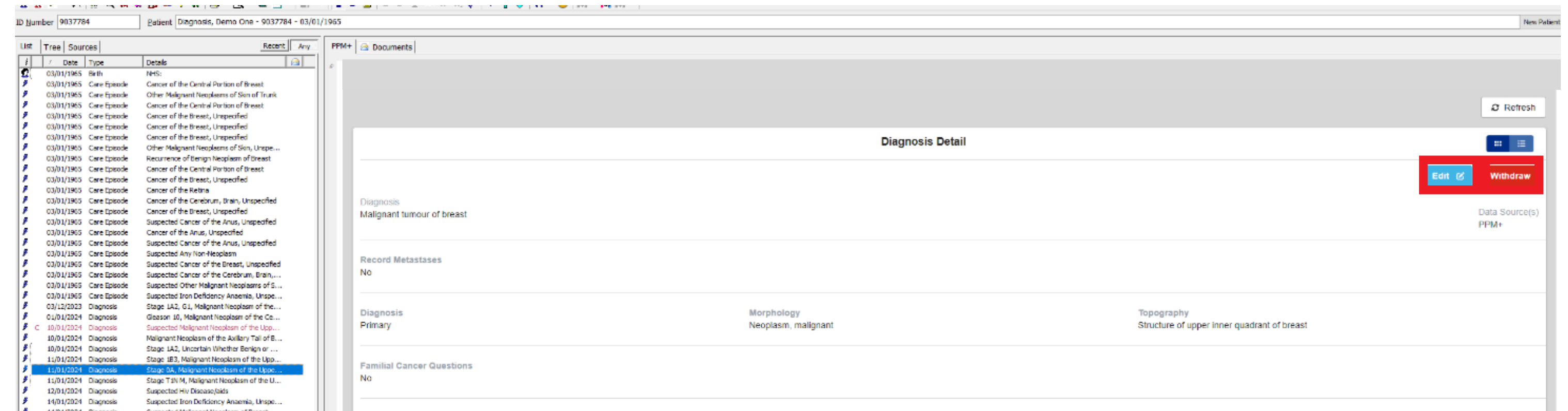
A screenshot of the 'DIAGNOSIS, Demo One (Mr)' interface. The top bar shows 'Rem: 03-Jan-1965 (59y)', 'Sex: Male', and 'NHS No: 9037784'. Below the bar, there's a search bar with the text 'Add a condition' and a search condition input field. A 'Refresh' button is visible on the right. The background is a light gray.

Please see below, how a **Diagnosis** entered in **PPM1** in the old format appears when you select a Patient’s **Diagnosis** and how a **Diagnosis** will appear in **PPM1** when entered via the new **PPM+** Diagnosis functionality within **PPM1**.

Old Format in PPM1 showing a Diagnosis for a Patient in their PPM1 record.



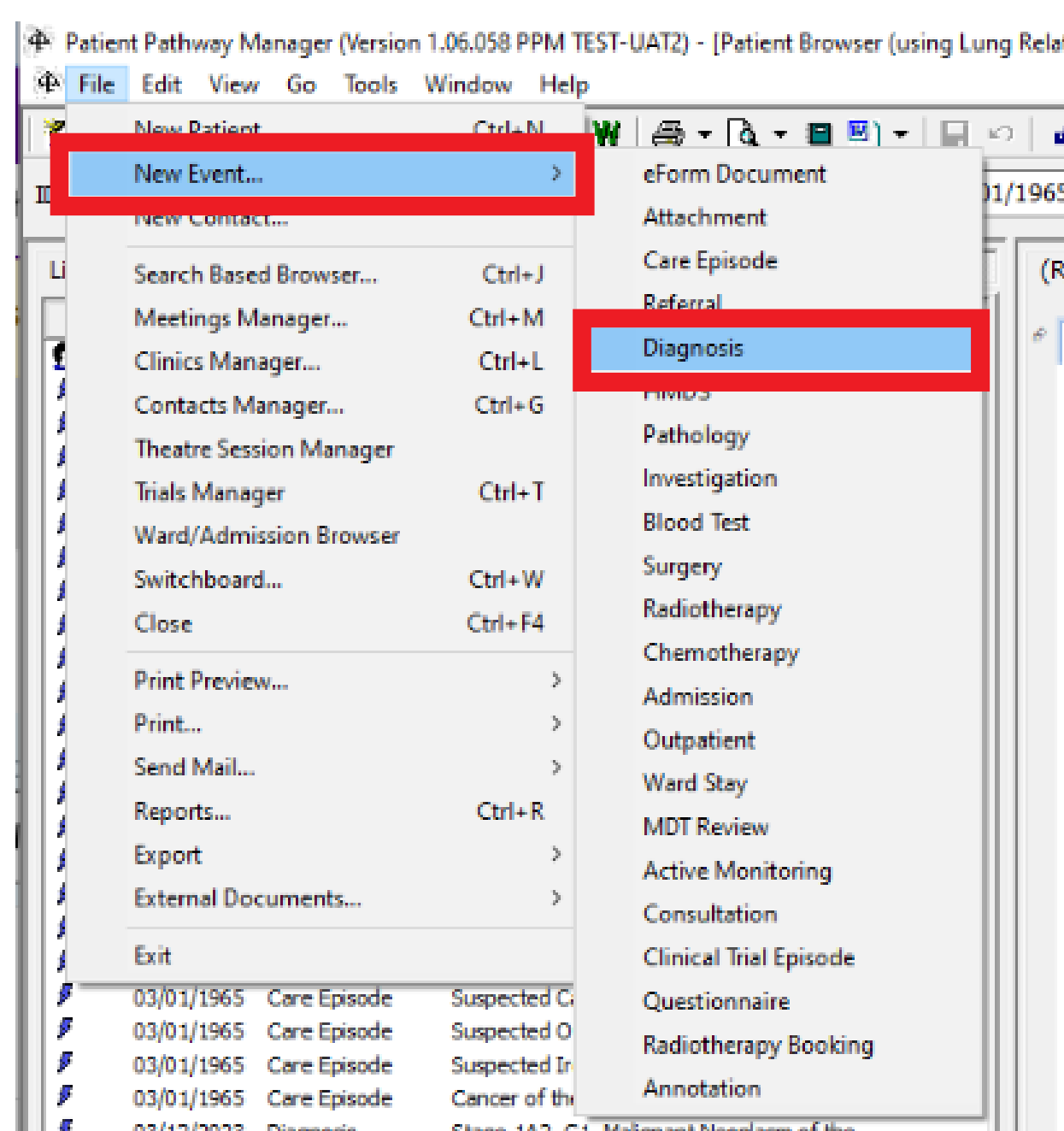
New Format in PPM1 showing a Diagnosis for a Patient in their PPM1 record. Click on the Edit button to make any changes and the Withdraw button to remove the entry.



When you add a **Diagnosis** in **PPM1** for your patient, the new **PPM+ Diagnosis** functionality will open within **PPM1**. Any Diagnosis you update in **PPM1** will update in **PPM+** and vice versa.

We recommend updating a Patient's **Diagnosis history** in **PPM+** due to more functionality being available and **Diagnosis history** being in a clearer view.

To add a **Diagnosis** via **PPM1**, go into your required **Patient's record**, click on **File > New Event > Diagnosis**. The **PPM+ Diagnosis** functionality will open.



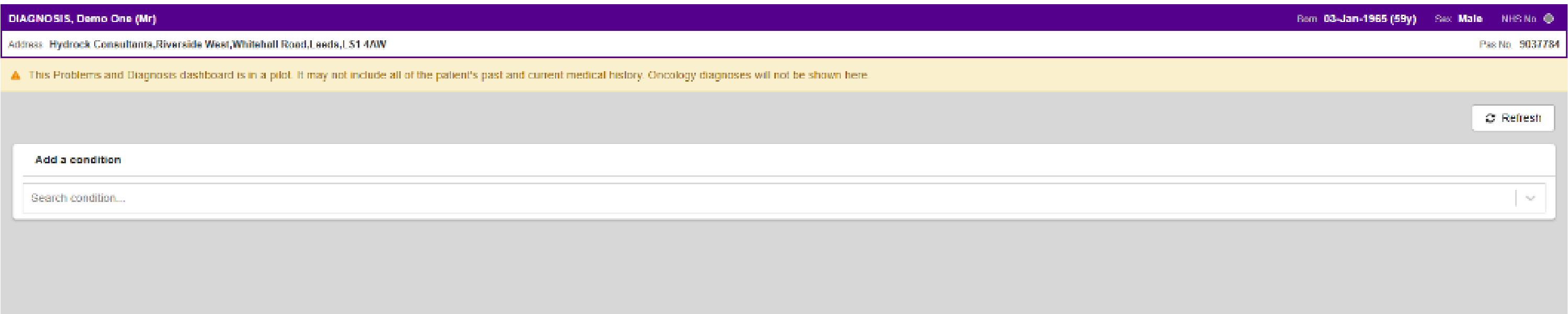
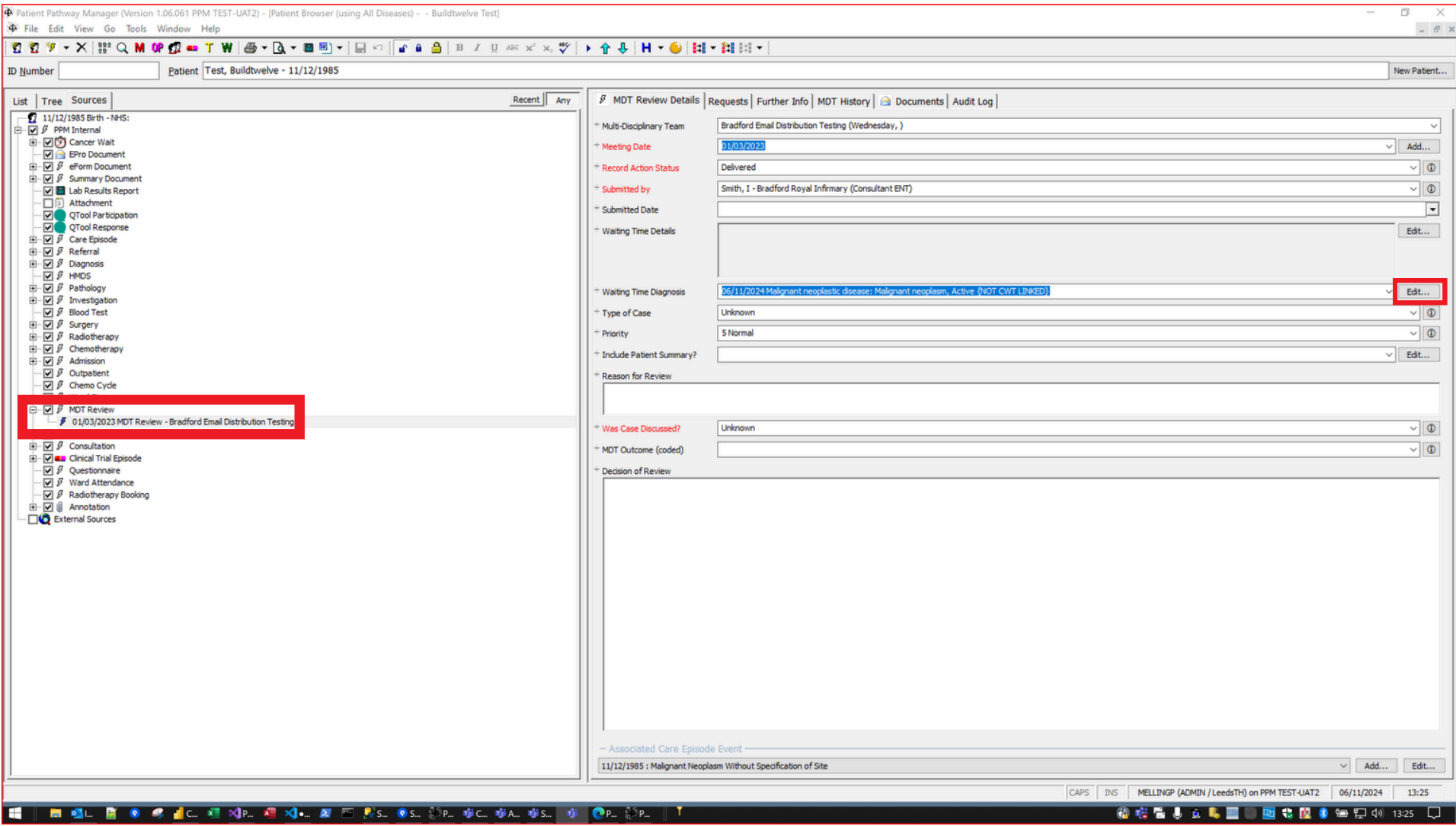
DIAGNOSIS, Demo One (Mr) Rem: 03-Jan-1965 (59y) Sex: Male NHS No: [redacted]

Address: Hydrock Consultants, Riverside West, Whitehall Road, Leeds, LS1 4AW Phs No: 9037784

Add a condition

Search condition...

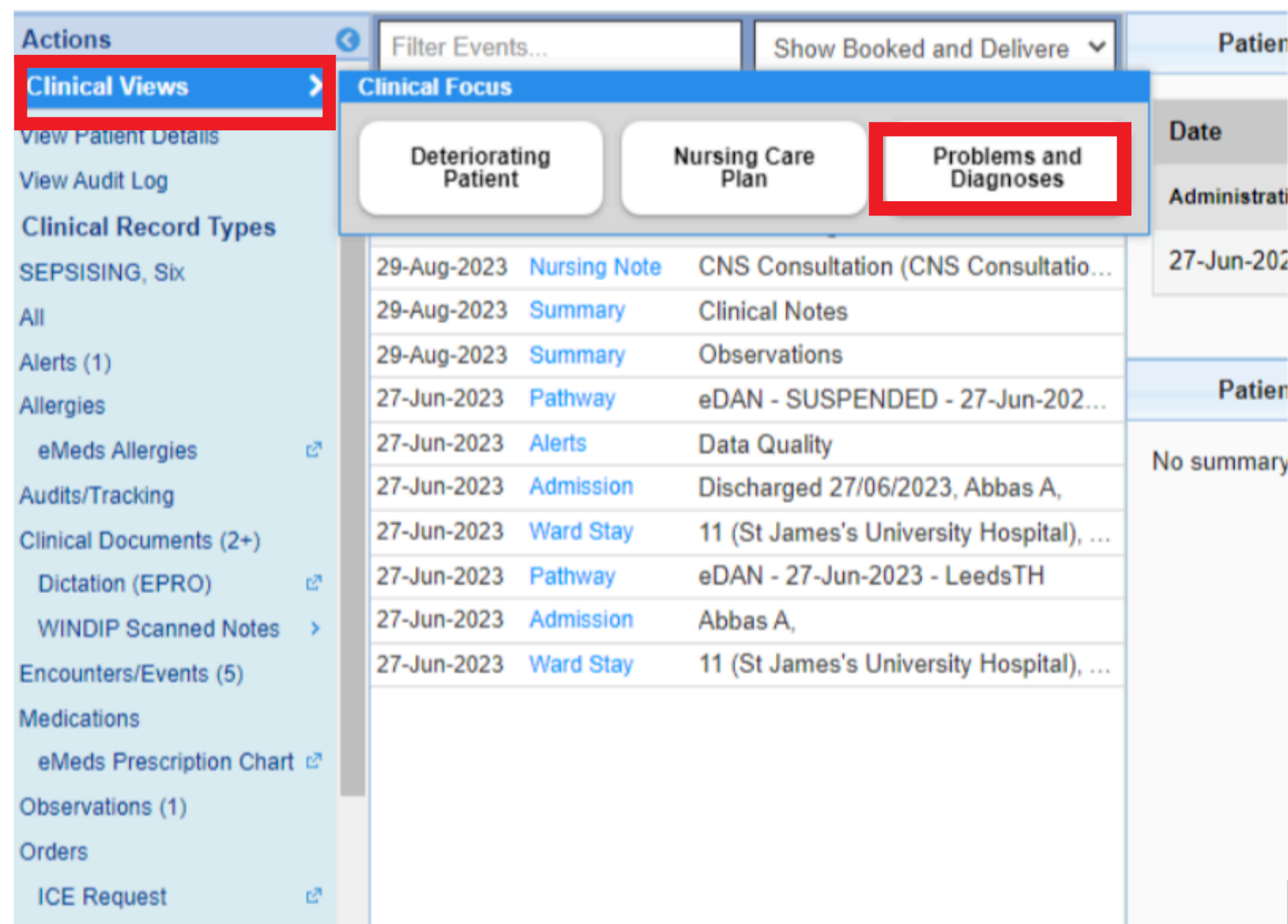
You can also add a **Diagnosis** via **PPM1** during an **MDT review**, click on the **Edit** button next to the **Waiting Time Diagnosis** drop down. The **PPM+** Diagnosis functionality will open.



For details of how to add a Diagnosis in PPM+, please see Page 13.



Accessing the Problems and Diagnosis Dashboard in PPM+



When in your selected Patient's **Single Patient View in PPM+**, click on the **Clinical Views** on the left hand side of the screen and then click on the **Problems and Diagnosis tab**.

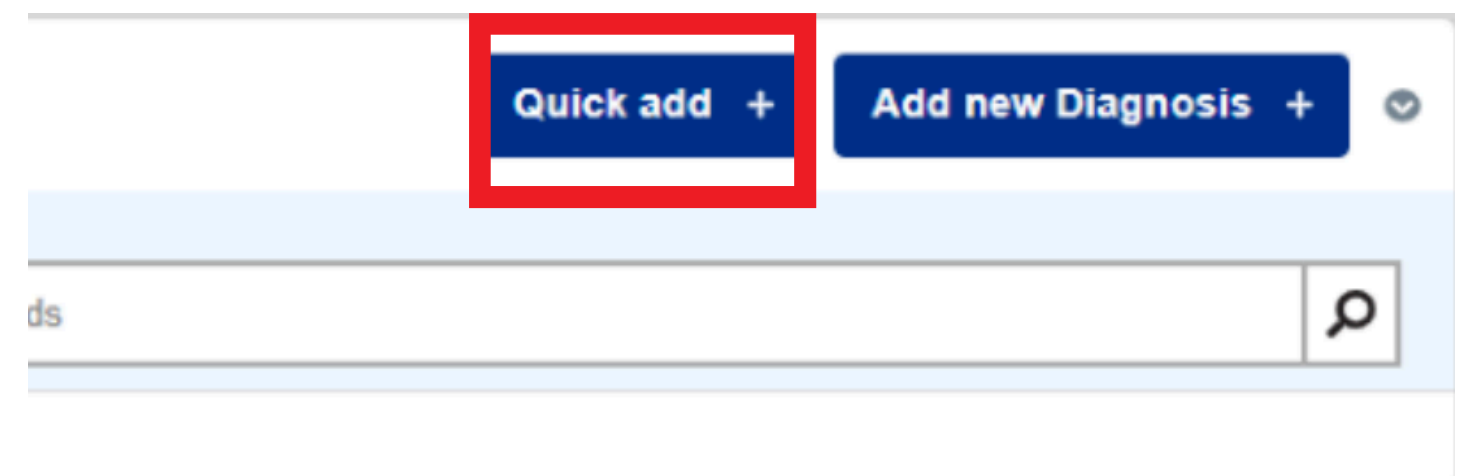
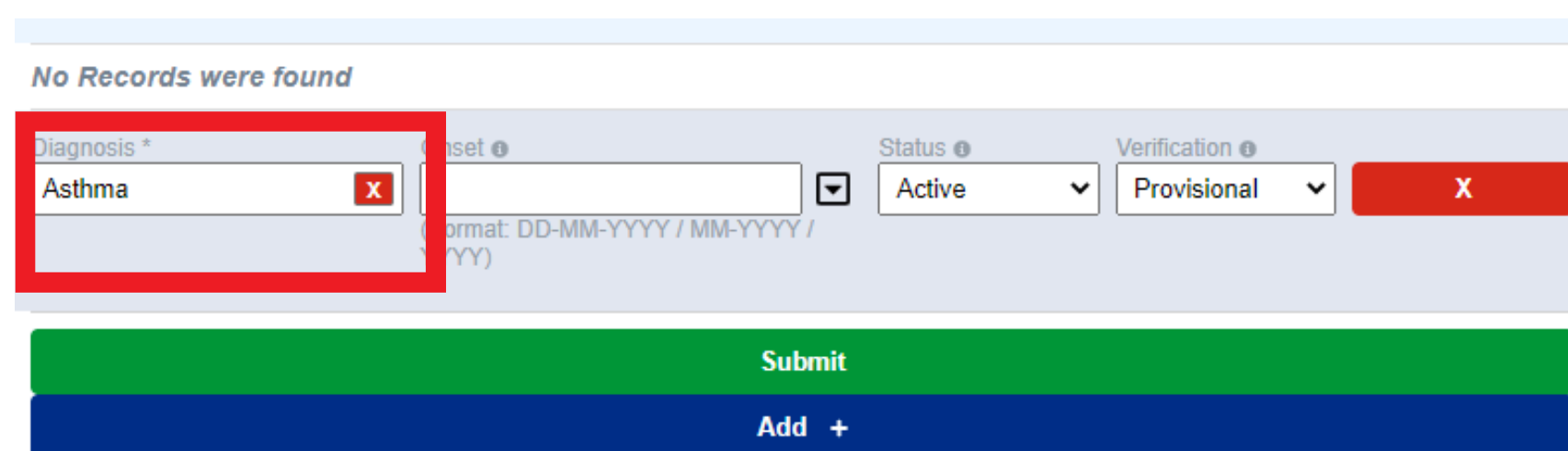


The **Problems and Diagnosis widget** will open. If the patient has had any **diagnoses** documented previously, these will be visible here. If you need to document the **patient's problem/diagnosis** history, this can be completed from this view.

Please be aware the Diagnosis Dashboard may not contain a complete record of diagnoses for your patient. It is important that Diagnosis records are kept up to date via the Diagnosis and Problems Dashboard.

Adding a Quick Add Diagnosis in PPM+

To quickly add a **Diagnosis**, select the **Quick add +** button.

A screenshot of the PPM+ interface. At the top, there are two buttons: 'Quick add +' and 'Add new Diagnosis +'. The 'Quick add +' button is highlighted with a red rectangular box. Below the buttons is a search bar with the text 'ds' and a magnifying glass icon.A screenshot of the PPM+ interface showing a form. The 'Diagnosis +' field is highlighted with a red rectangular box and contains the text 'Asthma'. To the right of the field is a red 'X' button. Below the field are two buttons: 'Submit' (green) and 'Add +' (blue). The form also includes fields for 'Status' (set to 'Active') and 'Verification' (set to 'Provisional').

In the **Diagnosis** section, start to type the name of the **Problem/Diagnosis** you require and select it. **In this example**, we have selected **Asthma**.

Onset ⓘ

(Format: DD-MM-YYYY / MM-YYYY / YYYY)

In the onset section, you can change the way the onset of the **Problem/Diagnosis** started is recorded. If you select the **Black Arrow** you can change between **estimated or actual** date the **Problem/Diagnosis** began.

For this example, we have selected an **estimated date** the **Problem/Diagnosis** started. Enter the number of **Days, Weeks, Months & Years Ago**.

Clinical Status: All Verification Status: All Sort By: Most Recent

No Records were found

Diagnosis *: Asthma

Onset ⓘ: 0 Days Ago

Days Ago
Weeks Ago
Months Ago
Years Ago

Status ⓘ: Active Verification ⓘ: Provisional

In the **Status section**, you can select between **Active, Inactive, Recurrence, Remission and Resolved**. For this example, we have selected **Active**.

The screenshot shows a clinical data entry interface. At the top, there are three dropdown menus: 'Clinical Status' (set to 'All'), 'Verification Status' (set to 'All'), and 'Sort By' (set to 'Most Recent'). Below these, a message states 'No Records were found'. The main form area contains fields for 'Diagnosis *' (set to 'Asthma'), 'Onset' (set to '3 Days Ago'), 'Status' (a dropdown menu with 'Active' selected), and 'Verification' (set to 'Provisional'). A red 'X' icon is visible next to the 'Status' dropdown. Below the form, there are two buttons: 'Submit' (green) and 'Add +' (blue).

Breakdown of Status Options

Active - The subject is currently experiencing the symptoms of the condition or there is evidence of the condition.

Recurrence - The subject is having a relapse or re-experiencing the condition after a period of remission or presumed resolution.

Inactive - The subject is no longer experiencing the symptoms of the condition or there is no longer evidence of the condition.

Remission - The subject is no longer experiencing the symptoms of the condition, but there is a risk of the symptoms returning.

Resolved - The subject is no longer experiencing the symptoms of the condition and there is a negligible perceived risk of the symptoms returning.

In the **Verification section**, you can select between, **Provisional, Confirmed, Refuted and Unknown**. For this example, we have selected **Provisional**.

Breakdown of Verification Options

Provisional - This is a tentative diagnosis, still a candidate that is under consideration.

Confirmed - There is sufficient diagnostic and/or clinical evidence to treat this as a confirmed condition.

Refuted - This condition has been ruled out by diagnostic and clinical evidence.

Unknown - The condition status is unknown. Note that "unknown" is a value of last resort and every attempt should be made to provide a meaningful value other than "unknown".

Add +

Further Problem/Diagnosis can be added by selecting the **Add** button.

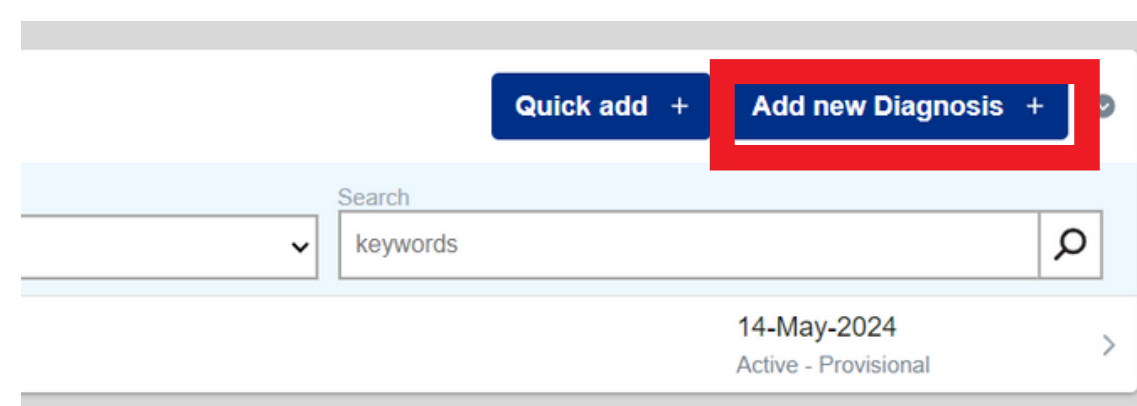
Submit

Once all the information is correct, select **Submit**.

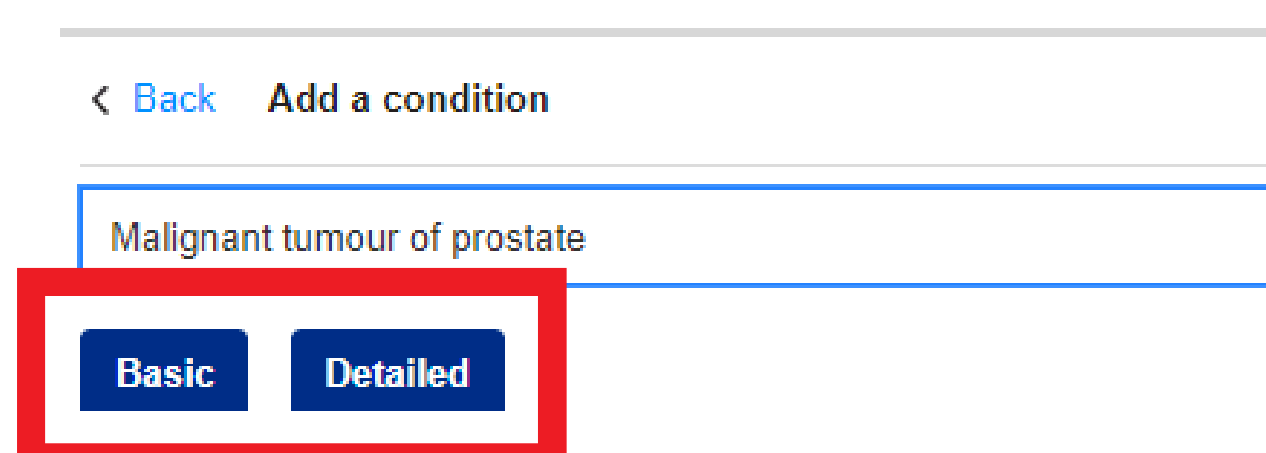
Adding a New Diagnosis in PPM+

Through out this section we will refer to a **BASIC DIAGNOSIS** and **EXTENDED DIAGNOSIS**. A **Basic Diagnosis** is a form capturing minimal information to record a diagnosis. An **Extended Diagnosis** is detailed form tailored to the specific **Problem/Diagnosis**.

You can also add **Problem/Diagnosis via the Add new Diagnosis button** to a **Patient's record**. Click on the **Add New Diagnosis+** Button on the **Problems and Diagnosis Dashboard**.



Enter the name of the **condition** and then click on either the **Detailed button** (if available for that particular Diagnosis) or the **Basic button**. In this example we have clicked on **Basic**.



Diagnosis / Condition *

Psoriatic arthritis x v

Diagnosis Date *

16/05/2024

16-May-2024

Onset Date

15/05/2024

15-May-2024

Insert the Diagnosis Date and Onset Date.

Onset Date Estimated?

No Yes

You can select whether the **Onset Date** is estimated.



Diagnosis Stated By *

Practitioner

Patient

Related Person



You can select who stated the **Diagnosis**.

You can select the **Clinical status** of the **Problem/Diagnosis** in this section. The breakdown of these statuses is the same as shown previously in this guide on [Page 11](#).

Clinical status

Active

Recurrence

Inactive

Remission

Resolved

You can select the **Verification status** of the **Problem/Diagnosis** in this section. The breakdown of these statuses is the same as shown previously in this guide on [Page 12](#).

Verification status *

Provisional

Confirmed

Refuted

Unknown

Remission/Resolution (Abatement)

dd/mm/yyyy



The date or estimated date that the condition resolved or went into remission. This is called "abatement" because of the many overloaded connotations associated with "remission" or "resolution" - Conditions are never really resolved, but they can abate.

The **Remission/Resolution (Abatement)** section is **not mandatory**. In this section, you can put a date the **Problem/Diagnosis** resolved or went into remission.

You can **document the severity** of the **Problem/Diagnosis** in this section. This is a subjective assessment of the severity of the condition as evaluated by the clinician.

Severity

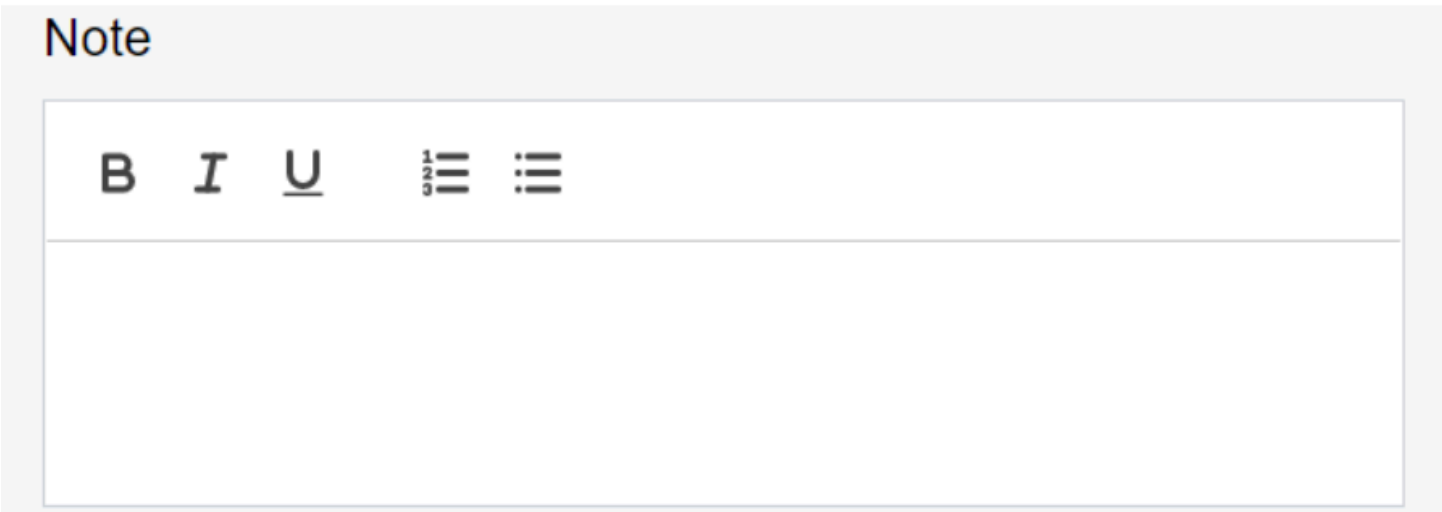
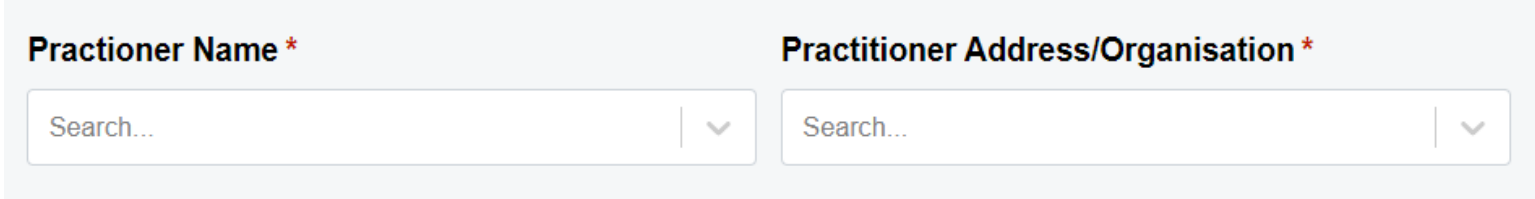
Mild

Moderate

Severe

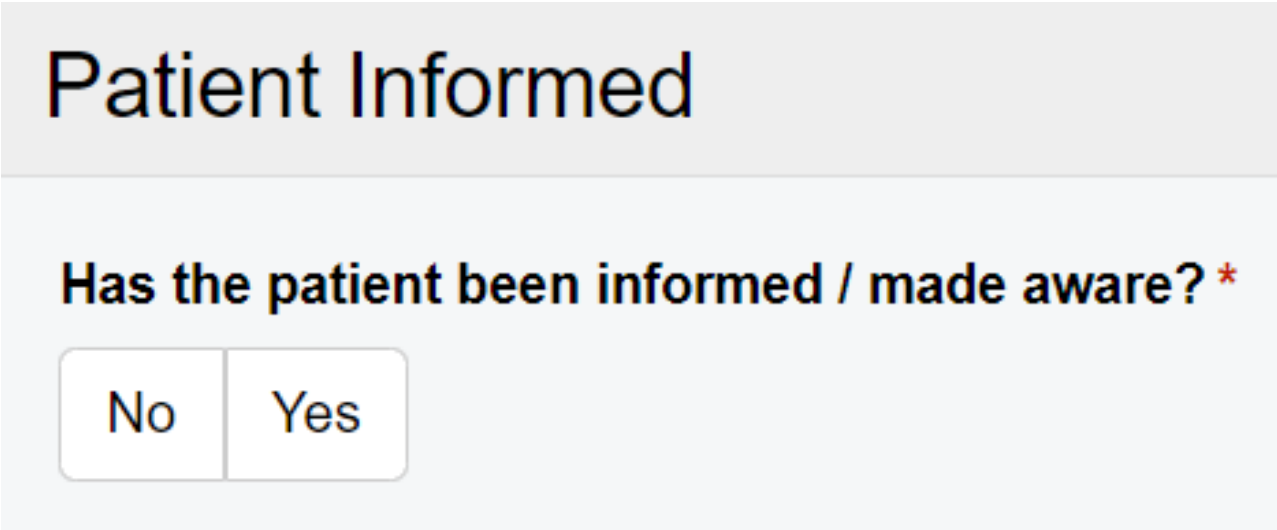


In this section, you can add some **further notes** regarding the **Problem/Diagnosis**.

A screenshot of a 'Note' editor. It has a title bar 'Note' and a toolbar with icons for Bold (B), Italic (I), Underline (U), Bulleted List, and Numbered List. Below the toolbar is a large text area for writing notes.A screenshot of two search fields. The first is labeled 'Practitioner Name *' and the second is labeled 'Practitioner Address/Organisation *'. Both fields have a 'Search...' placeholder and a dropdown arrow.

Enter the **Practitioner Name** and **Practitioner Address/Organisation**. These are **Mandatory Fields**.

In the **Patient Informed** section you can select if the **patient has been informed/made aware** of the **Diagnosis/Problem**.

A screenshot of the 'Patient Informed' section. It has a title bar 'Patient Informed' and a question 'Has the patient been informed / made aware? *'. Below the question are two buttons: 'No' and 'Yes'.

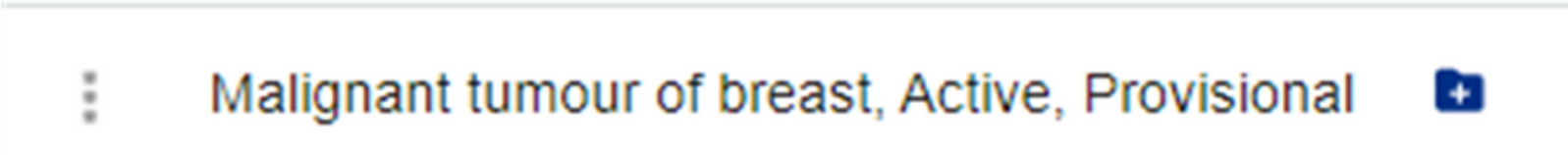
If you select **Yes**, additional sections will appear for you to fill in.

Submit

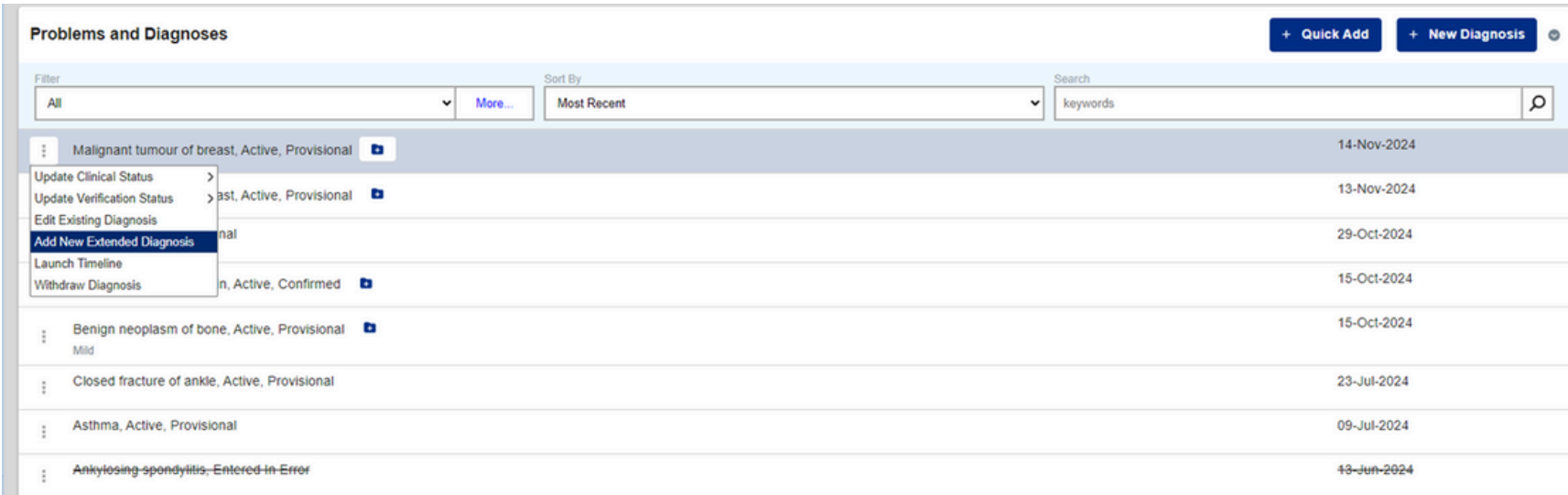
Once you have completed the eForm, click on **Submit**. The **Diagnosis/Problem** will appear in the Problems and Diagnosis widget.



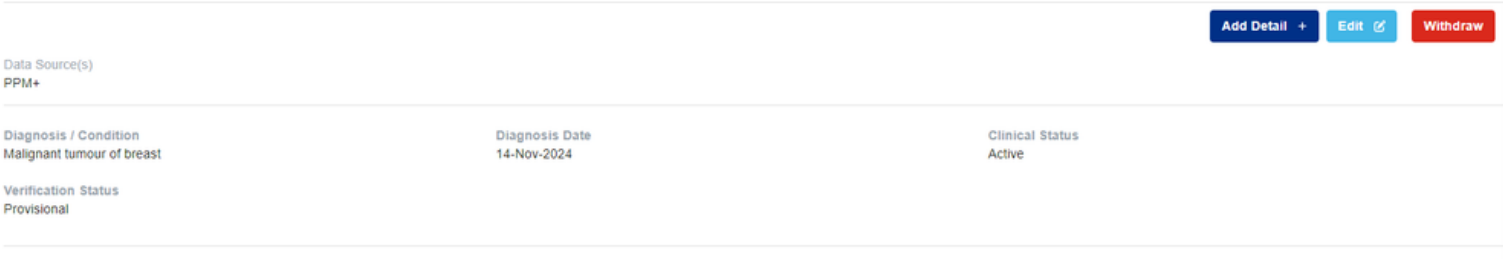
You can extend an existing **basic diagnosis** to an **extended diagnosis** by clicking on the **plus box** on the **Problems/Diagnosis** dashboard.



You can also add a **extended diagnosis** by clicking on the three dots on the **Problems/Diagnosis** dashboard and then selecting **Add New Extended Diagnosis**.



Another way to add an **extended diagnosis** by clicking into the **Diagnosis** on the **Problems/Diagnosis** dashboard and then selecting **Add Detail**.



Once you have completed the eForm, click on **Submit**.

If you are unable to find the relevant diagnosis, please contact the Implementation team via email: leedsth-tr.ImplementationTeam@nhs.net.

Editing and Withdrawing a Diagnosis in PPM+

If you need to **update or withdraw** a **Problem/Diagnosis** for a patient, select the **three dots** next to the **Problem/Diagnosis** you wish to **update or withdraw**.

Clinical Status	Verification Status	Sort By
All	All	Most Recent
...	Asthma	13-Sept-2022 Active - Provisional
...	Open wound of lower leg	16-Jun-2022 Recurrence - Confirmed

Select the required type of **Status** you wish to update. You can chose between **Clinical Status** and **Verification Status**. In this example, we have chosen to update the **Clinical Status**. As you can see, we have the same options for updating the **Clinical Status** as shown on [Page 11](#).

Update Clinical Status	>	Active
Update Verification Status	>	Inactive
Edit Existing Diagnosis		Recurrence
Launch Timeline		Remission
Withdraw Diagnosis		Resolved



The image shows two parts of a software interface. On the left, a menu for 'Asthma' is open, with options: 'Update Clinical Status', 'Update Verification Status', 'Edit Existing Diagnosis' (highlighted with a red box), 'Launch Timeline', and 'Withdraw Diagnosis'. On the right, the 'Editing: Problems & Diagnosis' form is shown. It has a title bar 'Problems and Diagnosis'. The 'Diagnosis / Condition' field contains 'Asthma'. The 'Onset' field contains '29/08/2022'. The 'Onset Date Estimated?' field has 'No' selected. The 'Clinical status' field has 'Active' selected. The 'Verification status' field has 'Confirmed' selected. A green 'Submit' button is highlighted with a red box at the bottom right.

To edit a **Problem/Diagnosis** in more detail, click on **Edit Existing Diagnosis** and make the required changes. When finished, remember to click **Submit**.

The image shows two parts of a software interface. On the left, a menu for 'Asthma' is open, with options: 'Update Clinical Status', 'Update Verification Status', 'Edit Existing Diagnosis', 'Launch Timeline', and 'Withdraw Diagnosis' (highlighted with a red box). On the right, the 'Withdraw' form is shown. It has a title bar 'Withdraw'. The text says: 'Are you sure you want to permanently withdraw, but not delete, the following form from the patient's record? If yes, please enter a reason why this form is being withdrawn'. A text input field contains 'test'. At the bottom right, there are two buttons: 'Cancel' and 'Withdraw' (highlighted with a red box).

To **withdraw** a **Problem/Diagnosis**, click on **Withdraw Diagnosis**. Then the **Withdraw eForm** will open. Enter the reason for withdrawing the **Problem/Diagnosis** and then click on **Withdraw**.

Clinical Status		Verification Status	Sort By
All		All	Most Recent
⋮	Asthma	13-Sept-2022	Active - Provisional
	Open wound of lower leg	16-Jun-2022	Recurrence - Confirmed

The other way to **edit or withdraw** a **Problem/Diagnosis** is by clicking anywhere in the **Problems/Diagnosis**' field in the Problems and Diagnosis widget.

[< List](#)
Diagnosis Detail

Edit

Withdraw

Diagnosis

Asthma

Data Source(s)

PPM+

Onset Date

13-Sept-2022

Clinical Status

Active

Verification Status

Provisional

Asserted By

SMALES, Samuel (Mr) Project Support Officer

Asserted Date

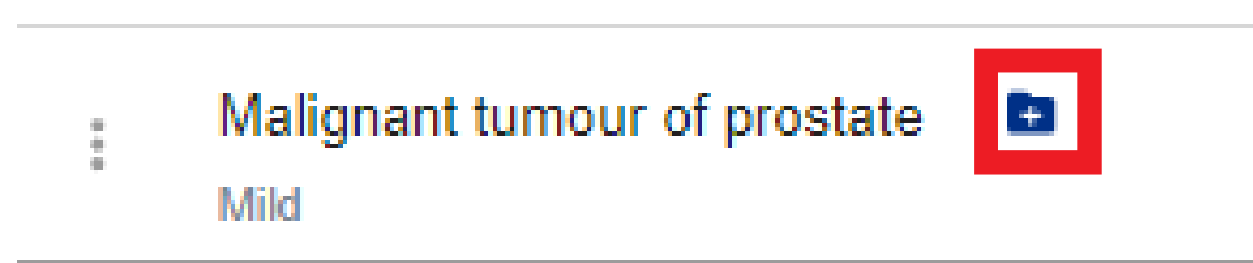
16-Sept-2022

The **Diagnosis Detail widget** will open, click on Edit to edit the **Problem/Diagnosis** in more detail. To withdraw the **Problem/Diagnosis**, click on **Withdraw** (The process of withdrawing from here is the same as previously shown in this guide).

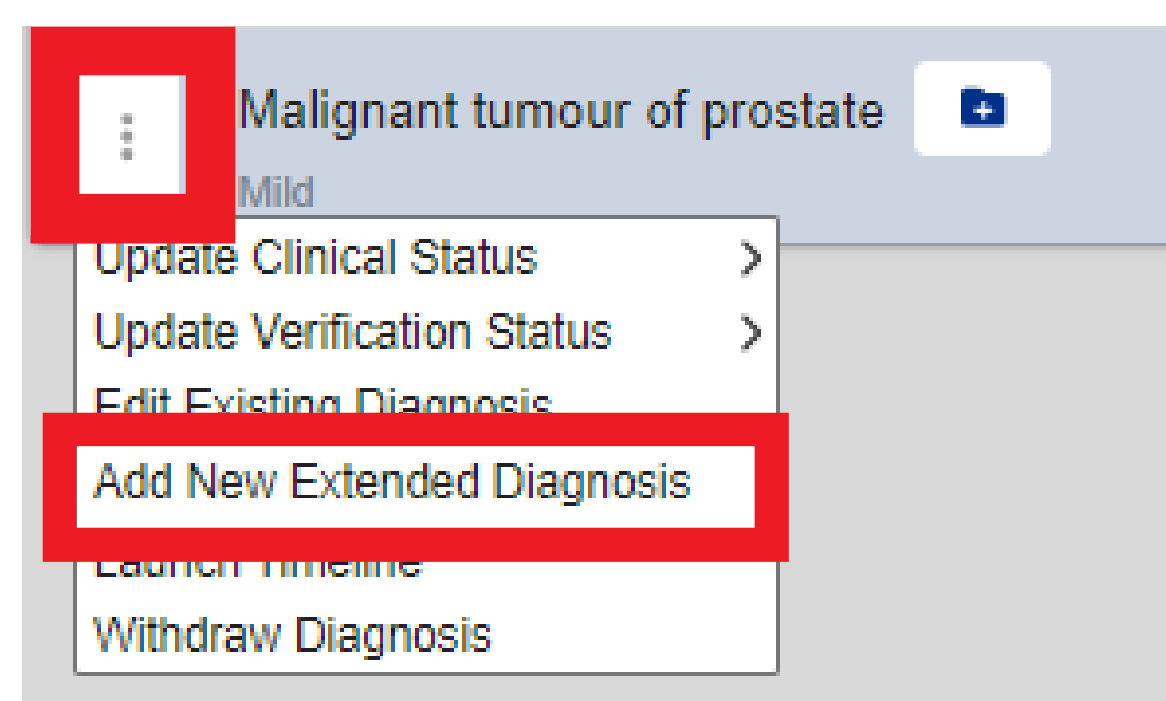
Please note, if a Diagnosis has been entered incorrectly it should NOT be edited. Always Withdraw the incorrect Diagnosis and then enter a new Diagnosis as shown from Page 9 in this User Guide.

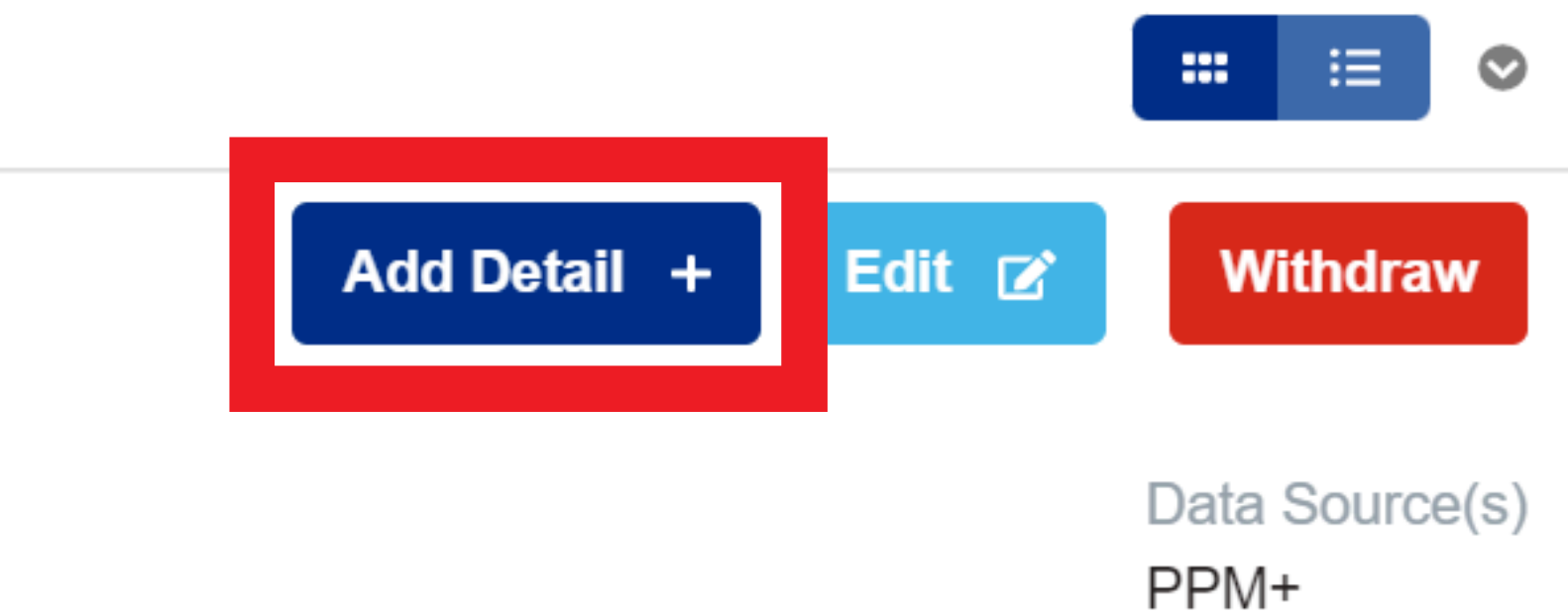
Extending, Editing and Withdrawing a Detailed Diagnosis in PPM+

A **Problem/Diagnosis** that can be extended further (**to Level 2**) will appear with a **Blue Folder icon** next to the **Problem/Diagnosis** in the **Problems and Diagnosis Dashboard**. Please note adding a **Detailed Diagnosis** is the same as an **extended diagnosis**.



Alternatively you can select the **3 dots** next to the **Problem/Diagnosis** you wish to extend and select **Add New Extended Diagnosis**.





Alternatively, you can click on the name of the **Problem/Diagnosis** and select the **Add Detail + button**.

Core

Morphology *

Search...

Tumour laterality

Search...

Bilateral tumours arising in paired organs should be treated as separate primary tumours, except for Wilms' tumour of the kidneys, ovarian tumours of same histology and mesothelioma of pleura

Topography

Search...

Gleason Grading Guidance:

ISUP Group Grade 1 : Gleason score 6 (or 3 + 3 = 6)

ISUP Group Grade 2 : Gleason score 7 (or 3 + 4 = 7)

ISUP Group Grade 3 : Gleason score 7 (or 4 + 3 = 7)

ISUP Group Grade 4 : Gleason score 8 (or 4 + 4 = 8)

An **extended diagnosis** has been started here. In this example, the **Malignant tumour of prostate Level 2** eForm has opened.

Dependent on the diagnosis, further **questions/free text boxes** will be available to complete.

Urology - Prostate

PSA (Diagnosis)

Prostate Specific Antigen blood level in ng/ml, measured at time of diagnosis.

mpMRI Pre-Biopsy

Yes No Not known

Was a multiparametric mpMRI performed on the patient before the biopsy?

Prostate biopsy technique

☐ TRUS guided biopsy (standard)

☐ TRUS guided biopsy (targeted)

☐ TRUS guided biopsy (targeted and standard)

☐ Transperineal biopsy (systematic)

☐ Transperineal biopsy (targeted)

☐ Transperineal biopsy (targeted and systematic)

☐ Not Known

The type of prostate biopsy technique performed before treatment

MRI/Fusion Biopsy

Yes No Not known

Was a MRI/Fusion Biopsy performed on the patient?

Biopsy anaesthetic

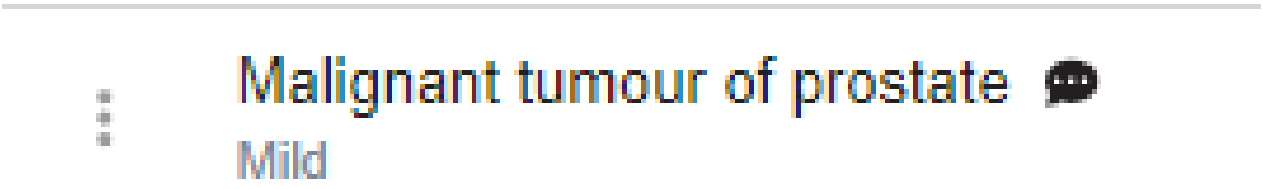
Local Sedation General Not known



When you have completed the eForm, click on **Submit**.



A **Black speech bubble** icon will show next to **Problems Diagnosis** where it has been **extended**.



< List

Diagnosis Detail

⌵ ⌵ ⌵ ⌵

Edit ⌵ Withdraw

Data Source(s)
PPM+

Diagnosis

Malignant tumour of prostate

Patient Informed

Yes

Diagnosis

Recurrence

Morphology

Small cell carcinoma

Record Metastases

Yes

Metastatic Type

Local

Metastatic Site

Liver

Add Staging Systems

Yes

Staging Systems Label

<p>If using TNM staging, please select TNM staging first and then add second staging where relevant. (if TNM staging not used then add relevant staging here)</p>

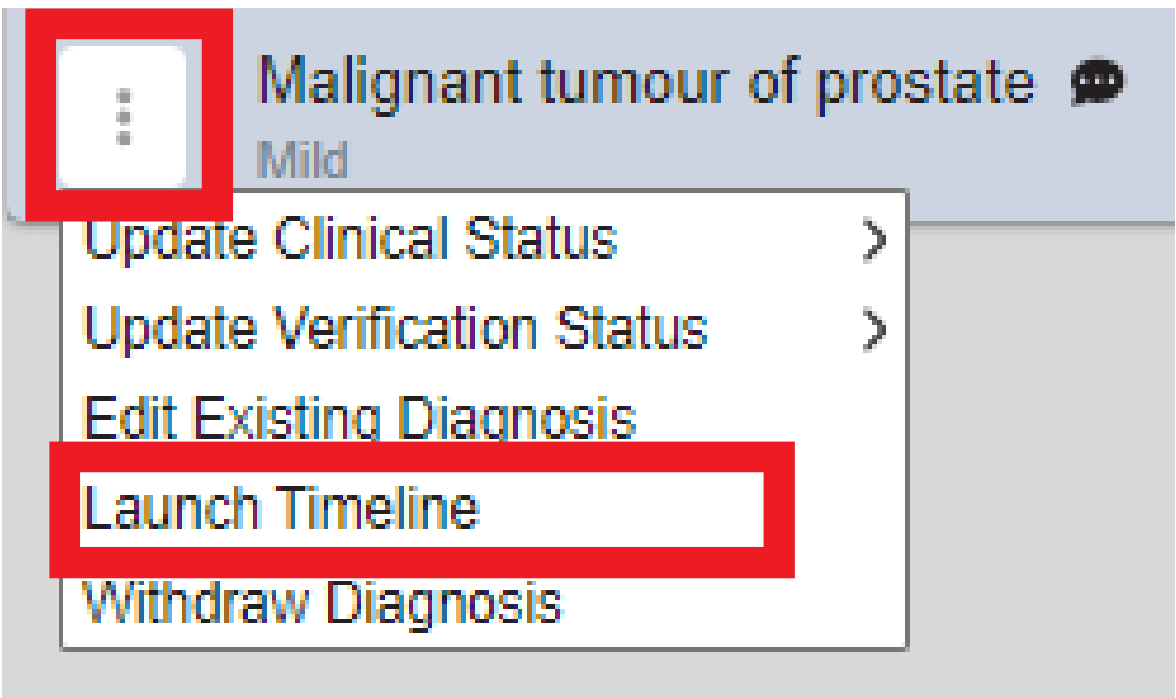
Staging Timing

Pre-Treatment

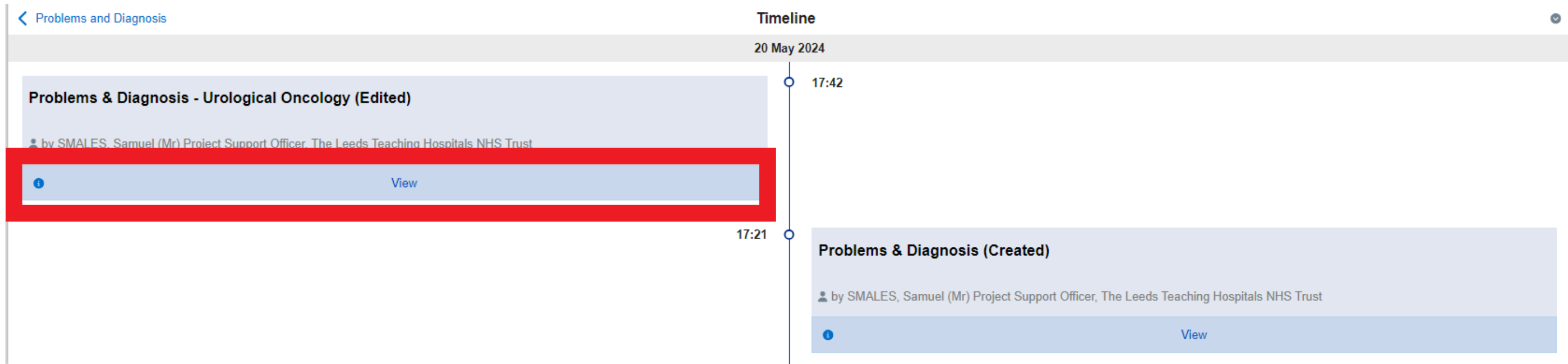
When the **Diagnosis** has been extended, click anywhere in the **Problems/Diagnosis** entry in the **dashboard** to **view, edit or withdraw** the information.

Viewing a Diagnosis' Timeline in PPM+

Click on the **3 dots** next to the **Problem/Diagnosis** and then click on **Launch Timeline**. You can have a look back at when the **Problem/Diagnosis was created and added to the patient's PPM+ Diagnosis tab and all interactions from that date (e.g. withdrawn and edited).**



Here is an example of a Timeline of a Problem/Diagnosis. Click on **View** on one of the entries to view it in more detail.



This is how the **Timeline displays** when you click on **View** on one of the entries.

Problems and Diagnosis

Timeline

20 May 2024

Problems & Diagnosis - Urological Oncology (Edited)

by SMALES, Samuel (Mr) Project Support Officer, The Leeds Teaching Hospitals NHS Trust

Hide

17:21

Problems & Diagnosis (Created)

by SMALES, Samuel (Mr) Project Support Officer, The Leeds Teaching Hospitals NHS Trust

View

Problems & Diagnosis - Urological Oncology (Edited) as it was on 20 May 2024 : 17:42

Withdraw

Problems and Diagnosis

Diagnosis / Condition

Malignant tumour of prostate

Diagnosis Date

20-May-2024

Onset Date

31-Jan-2024

Clinical status

Active

Remission/Resolution (Abatement)

01-May-2024

Note

-

Diagnosis Stated By

Patient

Onset Date Estimated?

Yes

Verification status

Confirmed

Severity

Mild

Patient Informed

Click on **Problems and Diagnosis** to go back to the Problem/Diagnosis Dashboard for your Patient.

Problems and Diagnosis

Timeline

20 May 2024

Problems & Diagnosis - Urological Oncology (Edited)

by SMALES, Samuel (Mr) Project Support Officer, The Leeds Teaching Hospitals NHS Trust

View

17:21

Problems & Diagnosis (Created)

by SMALES, Samuel (Mr) Project Support Officer, The Leeds Teaching Hospitals NHS Trust

View

Useful Contacts

Implementation Team

Please contact the **Implementation Team** for Digital support & training on PPM+ functionalities.



leedsth-tr.ImplementationTeam@nhs.net

IT Service Desk

Please contact the **IT Service Desk** to:

- Reset your password.
- Report a problem you are having within PPM+ functionality.
- Report a data quality problem within PPM+.
- Request new user accounts for PPM+.
- Disable PPM+ accounts for any leavers from your department.



x26655



<https://lth-dwp.onbmc.com>



PPM+ Help Site: <https://www.ppmsupport.leedsth.nhs.uk/>

