

IDENTIFYING PATIENTS WITH PROSTATE-SPECIFIC MEMBRANE ANTIGEN-POSITIVE METASTATIC CASTRATION-RESISTANT PROSTATE CANCER (PSMA-POSITIVE MCRPC)

INSTRUCTIONS

Oracle Cerner has reporting tools, such as Dynamic Work List and Discern Analytics 2.0 (DA2), available to help identify patients with PSMA-positive mCRPC and assess clinical factors of these patients.

Option 1: Using a Dynamic Work List

Follow these steps to create a Dynamic Work List of prostate cancer patients:

- 1. Open Dynamic Work List:** In the Cerner menu, select **Dynamic Work List** to launch the work list tool.
- 2. Create a New Work List:** In the Dynamic Work List window, go to the List Actions drop-down and choose **Create Work List**. This will open the “Create New Work List” wizard, which has 3 tabs: Work List Type, Criteria, and Summary.
- 3. Work List Type Tab:** On the first tab of the wizard, specify the basic settings for your patient list:
 - **Name Your Work List:** Enter a descriptive name for the list that helps identify the list as RLT-focused.
 - **Group/Provider or Location:** Select the scope for the patient list. Choose **Group/Provider** to base the list on a provider or team (then specify the provider group or individual), or choose **Location** to base it on a specific facility/unit. Fill in the appropriate details for the selection.
 - **Relationship Type:** If you selected a Group/Provider, choose the relationship types to include (eg, Primary Care Physician, Oncologist, Nurse Practitioner—whichever roles should be considered the “provider” for the patients in this list). You can select multiple roles as needed.
 - Click **Next** to continue to the Criteria tab.
- 4. Criteria Tab:** On the second tab, define the clinical criteria that identify prostate cancer patients:
 - Click **Conditions** to add a condition-based criterion (this is where we’ll specify the prostate cancer-related condition set).
 - Ensure the logic operator at the top is set to **AND** (so that all chosen conditions must be met).

- In the list of conditions, find and select the **prostate cancer condition set** (for example, a condition set named “prostate cancer” Patients or similar). This condition set should include the relevant code(s) and any key ICD-10 diagnosis codes as needed. (If this condition set does not exist yet, see the note below on how to create it.)
- Set the **Look-back Range** for these conditions.
- You may add additional criteria or conditions if required by your organization’s workflow (ensure to adjust the logic **AND/OR** accordingly if multiple criteria are used).
- After adding the criteria, click **Next** to continue.

5. Summary Tab: On the final tab, review and create the list:

- Verify that the Work List name, scope (provider group or location), and criteria are all correctly entered.
- Click **Finish** to create the Work List and run the query.
- Once finished, the patient list will be generated on the Dynamic Work List.
- (Optional: If you need to save or share the list, use **List Actions > Export** to export the patient list to Excel.)

Note: If the condition set is not available in the Criteria selection (for example, if no prebuilt condition exists), you or your Cerner administrator will need to create it. This is done through the **Bedrock Wizard** (under the Care Management category, in the Registry and Condition Set setup).

In Bedrock, add a new **Condition Set** and give it a name (eg, “Prostate Cancer” Patients). Then add all relevant conditions to this set—for instance, include any relevant procedure codes and ICD-10 codes. Save the new condition set, and it will become available to select in the Dynamic Work List criteria.

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INSTRUCTIONS

Option 2: Using a DA2 Query (Discern Analytics 2.0)

For users familiar with Cerner's Discern Analytics 2.0, you can build a custom query. This method offers more flexibility for complex criteria or output customization. Follow these steps:

- 1. Launch DA2: Open Discern Analytics 2.0** (often accessed via the application launcher or a Cerner applications folder as DA2.exe).
- 2. Select a Domain:** In DA2, click on the **Domains** tab to choose the data domain for your query. Select a domain that contains the patient information you need—for example, a domain where you can filter by diagnosis and procedure codes (such as a **Clinical** or **Encounter** domain that includes diagnosis and billing data).
- 3. Start a New Query:** Go to **File > New > Query**, or simply double-click the desired domain to begin creating a new query. This will open the Query Wizard interface with various categories available for filtering (qualifications).
- 4. Add Prostate Cancer Criteria (Qualifications):** In the Query Wizard, find the section for adding **Qualifications** (filters for your query). Here, you will specify the criteria:
 - Add a filter for the RLT procedure code. For example, choose a **Procedure Code** filter or **CPT Code** filter (the exact name may vary depending on the domain). Then click the option to modify or select codes (often a **Modify Filter List** button).
 - In the code search dialog, enter **"79101"** as an example to find the radiopharmaceutical therapy code. Select the code **79101 – Radiopharmaceutical therapy, by intravenous administration** from the results and click **Include** to add it to your query criteria. This will filter for patients who have an RLT procedure documented. This is one example code.
 - (Optional: You can also add a **Diagnosis Code** filter to restrict the query to specific diagnoses. For example, you might include codes such as **C61**. To do this, add a Diagnosis Code Filter, search for the desired ICD-10 code(s), and include them. Make sure to set the logical operator appropriately so that the query finds patients who have **both** the RLT procedure and the relevant diagnosis, if you combine filters.)
 - If multiple criteria are added (eg, a procedure code and one or more diagnosis codes), ensure the logic between them reflects what you intend (typically an **AND** relationship so that patients must meet all included criteria).

- 5. Select Output Columns:** Choose which data columns you want to see in the results. In the Query Wizard, move these desired fields into the report's output column list (using the arrow buttons or drag-and-drop).

- 6. Review and Save the Query:** Give the query a name and fill out any required metadata (such as version or description, if prompted). Save the query configuration.

- 7. Run the Query:** Execute the query to retrieve the list of patients. You can do this by clicking **Query > Query Review** (to preview the logic) or **Run Query in Viewer** to directly run it. The DA2 tool will then return the results that match your criteria.

- 8. View and Export Results:** Once the query runs, you will see the list of patients who meet the criteria in the results viewer. You can export the results to Excel or another format by using the export options in DA2 (for further analysis or sharing of the data).

Additional Notes and Considerations

- **Building Condition Sets:** Setting up a robust condition set for prostate cancer patients in Cerner ensures you capture the correct patients. Include the procedure code and, if desired, a comprehensive list of related diagnosis codes in this set. Once built, this condition set can be reused for various reports and lists.
- **User Permissions:** Make sure you have the necessary permissions to create Dynamic Work Lists or run DA2 queries. In some organizations, access to certain data or tools (like Bedrock for creating condition sets, or DA2) may be restricted to specific roles. Coordinate with your information technology (IT) team or administration if you need additional access.
- **Cerner System Specifics:** These instructions are aligned with standard Cerner EMR workflows. Keep in mind that your hospital's Cerner build or naming conventions might differ slightly. If something in the steps above is not available or named differently (for example, the exact name of the condition set or filter), consult your IT team or Cerner administrator to confirm the correct configurations and access permissions for your system.

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