

# CAO

## New capabilities with RPMS

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# Robert Gemmell

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As promised...

# QIP Managed Care Medi-Cal Reports

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California Area Office teamed up with  
Sovereign Medical Solutions –  
Chickasaw Nation

- **Focus** more automation
  - Import measure denominator list
  - search RPMS data
  - report output formatted and ready to upload to QIP Portal

# QIP – Family Practice Clinical Domain

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- Well Child Visits (5 pts)
- Childhood Immunization – DTaP (5 pts)
- Cervical Cancer Screening (5 pts)
- Colorectal Cancer Screening (5 pts)
- Controlling High Blood Pressure (5 pts)
- Retinal Eye Exam (18 – 75 yrs) (5 pts)
- HbA1C Control (18 – 75 yrs) (5 pts)
- Nephropathy (18 – 75 yrs) (5 pts)

**Spend less time reporting  
more time on  
quality patient care**

Gary Mosier

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# Special Projects

# EHRp19

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Usability focused on decluttering problem display, ease management of problems, improve POV management

Further extension of mapping to include prompting for laterality

# New Patient with No Problems

The IPL will consist of two tabs – “Core” and “Inactive” which will be blank until problems are added.

The screenshot displays the Integrated Problem List (IPL) interface. At the top, there is a header bar with the title "Integrated Problem List" and an "Expand All" button. Below the header, there are two tabs: "Core Problems" and "Inactive". To the right of the tabs, there is a row of buttons: "Ed", "i", "Update POVs", "Get SCT", "Pick List", "POV", "Add", "Edit", and "Delete". Below the buttons, there is a table with the following columns: Status, Onset Date, Priority, Provider Narrative, Comments, Freq, PHx, PIP, IP, POV, and ICD. The table is currently empty, showing only the column headers.

| Status | Onset Date | Priority | Provider Narrative | Comments | Freq | PHx | PIP | IP | POV | ICD |
|--------|------------|----------|--------------------|----------|------|-----|-----|----|-----|-----|
|--------|------------|----------|--------------------|----------|------|-----|-----|----|-----|-----|

# IPL Populated

As problems are added and assigned statuses, tabs appear.

| Core Problems   Chronic   Personal Hx   Social / Environmental   Routine / Admin   Inactive |            |          |                          |          |      |     |     |    |     |        |  |
|---|------------|----------|--------------------------|----------|------|-----|-----|----|-----|--------|--|
| Status  | Onset Date | Priority | Provider Narrative       | Comments | Freq | PHx | PIP | IP | POV | ICD    |  |
| Chronic   |            |          | Diabetes mellitus type 2 |          | 0    |     |     |    |     | E11.9  |  |
| Chronic   |            |          | Essential hypertension   |          | 0    |     |     |    |     | I10.   |  |
| Personal Hx   |            |          | History of chickenpox    |          | 0    | ✓   |     |    |     | Z86.19 |  |

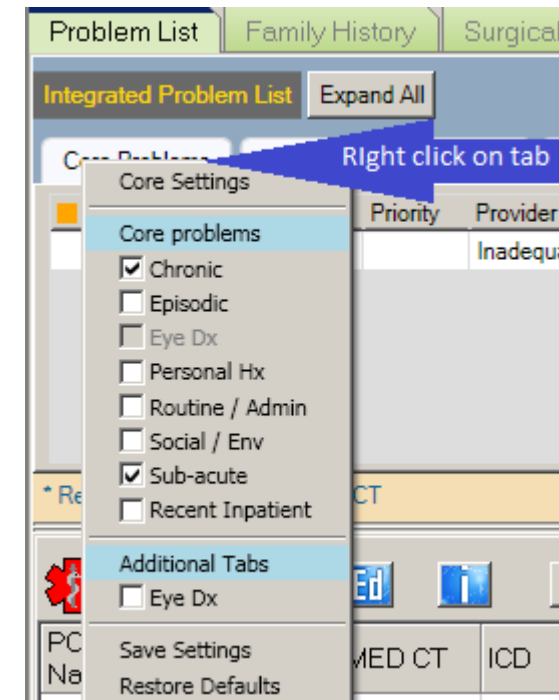


# User Defined IPL Core Tab

Right click on the Core Problem top tab.

The user may change which groups of problems appear on their “Core” IPL list then “save settings”.

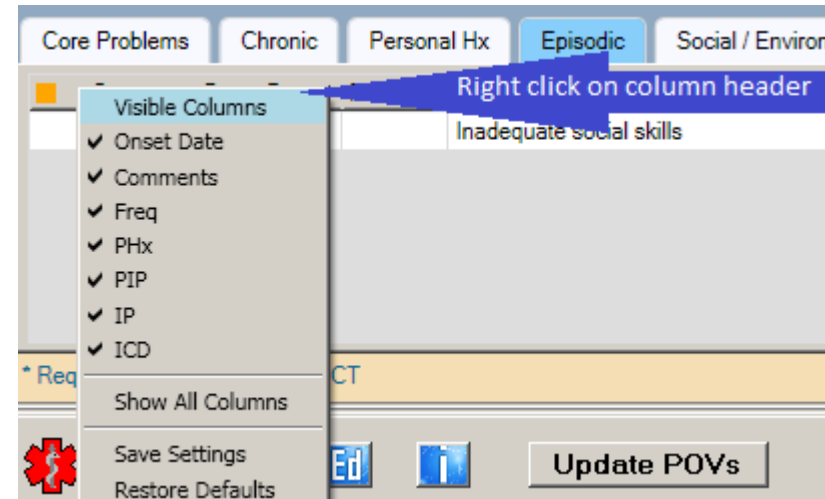
This allows each clinician to have a default display that meets their needs.



# User Defined IPL Columns

Right click on the header row.

The user may want to expose or hide rows then click “save settings”.



# Display Improvements and Clutter Management (cont.)

Default status inherited from DTS (SNOMED search database) when defined.

Example: Essential Hypertension would default to status of “chronic”

\*\*\* This will be an ongoing project. We will welcome field input on curating these definitions over time.\*\*\*

The image shows two overlapping software windows. The background window is titled "SNOMED CT Lookup" and has a search bar with "hypertension" entered. It includes radio buttons for "Fully specified name" (selected) and "Synonym", and a "Search Date" dropdown set to "04/11/2016". Below the search bar is a table with columns "Problem" and "is a rel". The table lists "Elevated blood-pressure reading without diagnosis of hypertension" and "Essential hypertension". The foreground window is titled "Integrated Problem Maintenance - Add Problem". It has fields for "Problem ID" (DB-7), "Priority", and "Use as POV" (checkbox). The "SNOMED CT" field contains "Essential hypertension" and "hypertension". The "Status" field has radio buttons for "Chronic" (selected), "Sub-acute", "Episodic", "Social/Environmental", "Inactive", "Personal Hx", and "Routine/Admin". There is a "Provider Text" field at the bottom with the text "Essential hypertension I10.".

SNOMED CT Lookup

Diagnosis Lookup: ☒ Fully specified name ☐ Synonym

Search Date: 04/11/2016

Maximum Results : ☐ 25 ☒ 50 ☐ 100 ☐ 200 ☐ ALL

Search: hypertension

Expand All

Subset

| Problem   | is a rel  |
|---|-----------|
| Elevated blood-pressure reading without diagnosis of hypertension | is a Clin |
| Essential hypertension  | is a Dis  |

Integrated Problem Maintenance - Add Problem

Problem ID DB-7 Priority

Use as POV

Save Cancel

\* SNOMED CT Essential hypertension hypertension ... Get SCT Pick list

\* Status ☒ Chronic ☐ Sub-acute ☐ Episodic ☐ Social/Environmental ☐ Inactive ☐ Personal Hx ☐ Routine/Admin

\* Required Field

Provider Text

Essential hypertension I10.

# APCD EPISODIC CLEANUP

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This should only be set up AFTER problem lists have been updated either manually or via the PLST Update Problem Status utilities.

1. Set parameter BGO IPL INACTIVATE TIMEFRAME

Select PARAMETER DEFINITION NAME: BGO IPL INACTIVATE **TIMEFRAME**      Lookback for  
APCD EPISODIC CLEANUP task

- Setting BGO IPL INACTIVATE TIMEFRAME for System: 2011 DEMO-HO.ABQ.IHS.GOV -  
Value: ??

Enter number of days to look back for episodic problems used as POV. This look back is used to determine how long before episodic problems that have not been used as a POV will be changed over to inactive status.

Example: an entry of 90 indicates that any problems with episodic status that have not been used as POV in past 90 days will change to inactive status.

# APCD EPISODIC CLEANUP (cont.)

## 2. Schedule the APCD EPISODIC CLEAN UP

Select Taskman Management <TEST ACCOUNT> Option: schedule/Unschedule Options

Select OPTION to schedule or reschedule: **APCD EPISODIC CLEANUP**      Inactivate episodic Problems not used as POV

✓ 10.154.33.215

Edit option schedule

Option Name: **APCD EPISODIC CLEANUP**

Menu Text: **Inactivate Episodic Problems not**      TASK ID:

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QUEUED TO RUN AT WHAT TIME: **APR 26,2016@23:59**

DEVICE FOR QUEUED JOB OUTPUT:

QUEUED TO RUN ON VOLUME SET:

RESCHEDULING FREQUENCY: **30D**

TASK PARAMETERS:

SPECIAL QUEUEING:

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Exit    Save    Next Page    Refresh

Enter a command or '^' followed by a caption to jump to a specific field.

COMMAND:       Press <PF1>H for help    **Insert**

| BGO IPL INACTIVATE TIMEFRAME | APCD EPISODIC CLEAN UP suggested schedule frequency |
|------------------------------|---|
| 90D                          | 14D-30D   |
| 180D                         | 30D   |
| 270D                         | 30D   |
| 365D                         | 30D-90D   |

# Picklist – Update with Default Statuses

To update pick list with defaulted statuses (helpful for those with routine/admin/screening terms), click **default statuses** in **Manage Quick Picks** dialog.

The left screenshot shows the 'Manage Quick Picks' dialog with the 'PickList' dropdown set to 'Preventive Care - Test'. The 'PickList Items' table is displayed with columns: Freq, Group, SNOMED Desc, Preferred Term, Status, SNOMED Concept ID, and SNOMED Desc ID. The 'Default the status of all items' button is highlighted with a red box. A blue arrow points from this button to the right screenshot.

The right screenshot shows the same dialog, but the 'Default Statuses' button is highlighted with a red box. The 'PickList Items' table is also displayed.

| Freq | Group | SNOMED Desc                              | Preferred Term                           | Status | SNOMED Concept ID | SNOMED Desc ID |
|------|-------|--|--|--------|-------------------|----------------|
| 0    |       | Advice given                             | Advice given                             |        | 418043000         | 2578952010     |
| 0    |       | Alcohol consumption screening            | Alcohol consumption screening            |        | 171208001         | 265301016      |
| 0    |       | Anemia screening                         | Anemia screening                         |        | 171201007         | 265284011      |
| 0    |       | Antenatal screening                      | Antenatal screening                      |        | 243787009         | 364616017      |
| 0    |       | Aortic aneurysm screening                | Aortic aneurysm screening                |        | 171226003         | 265323017      |
| 0    |       | Case management                          | Case management                          |        | 386230005         | 1480408011     |
| 0    |       | Cataract screening                       | Cataract screening                       |        | 171216005         | 265312016      |
| 0    |       | Cholesterol screening                    | Cholesterol screening                    |        | 275972003         | 411949013      |
| 0    |       | Counseling                               | Counseling                               |        | 409063005         | 2469564010     |
| 0    |       | Depression screening                     | Depression screening                     |        | 171207006         | 265300015      |
| 0    |       | Depression screening negative            | Depression screening negative            |        | 42817100012410    | 63527100012411 |
| 0    |       | Depression screening positive            | Depression screening positive            |        | 42817100012410    | 63527100012411 |
| 0    |       | Diabetes mellitus screening              | Diabetes mellitus screening              |        | 394642008         | 1488367018     |
| 0    |       | Diabetic peripheral neuropathy screening | Diabetic peripheral neuropathy screening |        | 460617003         | 2922918015     |
| 0    |       | Diabetic retinopathy screening           | Diabetic retinopathy screening           |        | 394642008         | 1488367018     |
| 0    |       | Drug screening test                      | Drug screening test                      |        | 460617003         | 2922918015     |
| 0    |       | Education of caregiver                   | Education of caregiver                   |        | 394642008         | 1488367018     |
| 0    |       | Family planning education                | Family planning education                |        | 460617003         | 2922918015     |

# POV Management

Add **Edit Today's POVs** button on IPL and Visit Diagnosis component brings up **POV** dialog.

Problem List

Family History

Surgical Hx

Patient Goals

AMI

Anticoagulation

Asthma

Eyeglass

Stroke

Integrated Problem List

Expand All

Ed

i

Update POVs

Get SCT

Pick List

POV

Add

Edit

Delete

Core Problems

Chronic

Personal Hx

Episodic

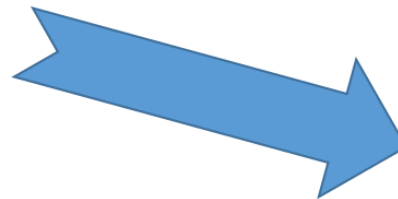
Social / Environmental

Routine / Admin

Inactive

|  | Status      | Onset Date | Priority | Provider Narrative       | Comments | Freq | PHx | PIP | IP | POV | ICD     |
|--|-------------|------------|----------|--------------------------|----------|------|-----|-----|----|-----|---------|
|  | Personal Hx |            |          | Adult health examination |          | 1    | ✓   |     |    | ✓   | ZZZ.999 |
|  | Chronic     |            |          | Type 2 diabetes mellitus |          | 0    |     |     |    |     | E11.9   |
|  | Chronic     |            |          | Essential hypertension   |          | 0    |     |     |    |     | I10.    |

 Visit Diagnosis   **Update POVs**



**POV**

| ID | Status | Prov. Narrative          | POV                                 | Episodicity  | Alternate POV Provider Text | Goal Notes | Care Plans | Visit Instructions | Pt Ed   | Tx/Regimen/FU     | Tx/Regimen/ |
|----|--------|--------------------------|-------------------------------------|--|-----------------------------|------------|------------|--------------------|---|-------------------|-------------|
|    |        | Adult health examination | <input checked="" type="checkbox"/> | <input type="checkbox"/> First episode<br><input type="checkbox"/> New episode<br><input type="checkbox"/> Old episode<br><input type="checkbox"/> Ongoing episode |                             |            |            |                    | <input type="checkbox"/> DP <input type="checkbox"/> N<br><input type="checkbox"/> EX <input type="checkbox"/> LA | Treatment/Regimen |             |

Primary POV: Adult health examination

**\* General Exam POV Finding**

| Narrative           | w/o abn find          | w/abn find                       | not examined/unk      |
|---------------------|-----------------------|----------------------------------|-----------------------|
| Adult health examin | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> |

**E&M** ☐ New ☒ Established

| Selected                 | History & Exam  | Complexity      | Approx Time | CPT Code |
|--------------------------|-----------------|-----------------|-------------|----------|
| <input type="checkbox"/> | Brief           | Nurse Visit     | 5 min       | 99211    |
| <input type="checkbox"/> | Problem Focused | Straightforward | 10 min      | 99212    |
| <input type="checkbox"/> | Expanded        | Low             | 15 min      | 99213    |
| <input type="checkbox"/> | Detailed        | Moderate        | 25 min      | 99214    |
| <input type="checkbox"/> | Comprehensive   | High            | 40 min      | 99215    |

\* Required Field

Save Cancel

# POV Management

Expose “Asthma Control” prompt on POV dialog if Asthma diagnosis selected as POV.

**POV**

| ID     | Status  | Prov. Narrative          | POV                                 | Episodicity   | Alternate POV Provider Text | Goal Notes | Care Plans | Visit Instructions | Pt Ed  | Tx/Regimen/FU     | Tx/Regimen/FU display only |
|--------|---------|--------------------------|-------------------------------------|---|-----------------------------|------------|------------|--------------------|--|-------------------|----------------------------|
| 138478 | Chronic | Mild intermittent asthma | <input checked="" type="checkbox"/> | <input type="radio"/> First episode<br><input type="radio"/> New episode<br><input type="radio"/> Old episode<br><input type="radio"/> Ongoing episode<br><input type="radio"/> Undefined episodicity |                             |            |            |                    | <input type="checkbox"/> DP <input type="checkbox"/> N<br><input type="checkbox"/> EX <input type="checkbox"/> LA<br><input type="checkbox"/> M <input type="checkbox"/> P | Treatment/Regimen |                            |

Primary POV  
Chart evaluation by healthcare professional

E&M ☐ New ☒ Established

| Selected                 | History & Exam  | Complexity      | Approx Time | CPT Code |
|--------------------------|-----------------|-----------------|-------------|----------|
| <input type="checkbox"/> | Brief           | Nurse Visit     | 5 min       | 99211    |
| <input type="checkbox"/> | Problem Focused | Straightforward | 10 min      | 99212    |
| <input type="checkbox"/> | Expanded        | Low             | 15 min      | 99213    |
| <input type="checkbox"/> | Detailed        | Moderate        | 25 min      | 99214    |
| <input type="checkbox"/> | Comprehensive   | High            | 40 min      | 99215    |

\* Required Field

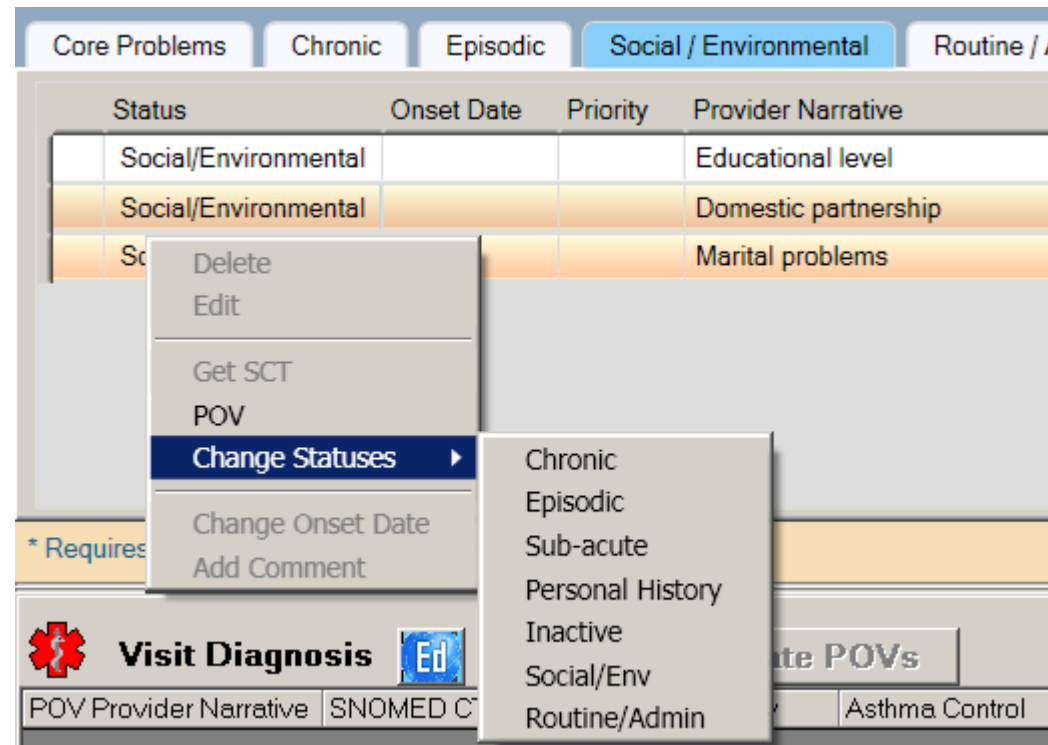
Asthma Control

WELL CONTROLLED  
NOT WELL CONTROLLED  
VERY POORLY CONTROLLED

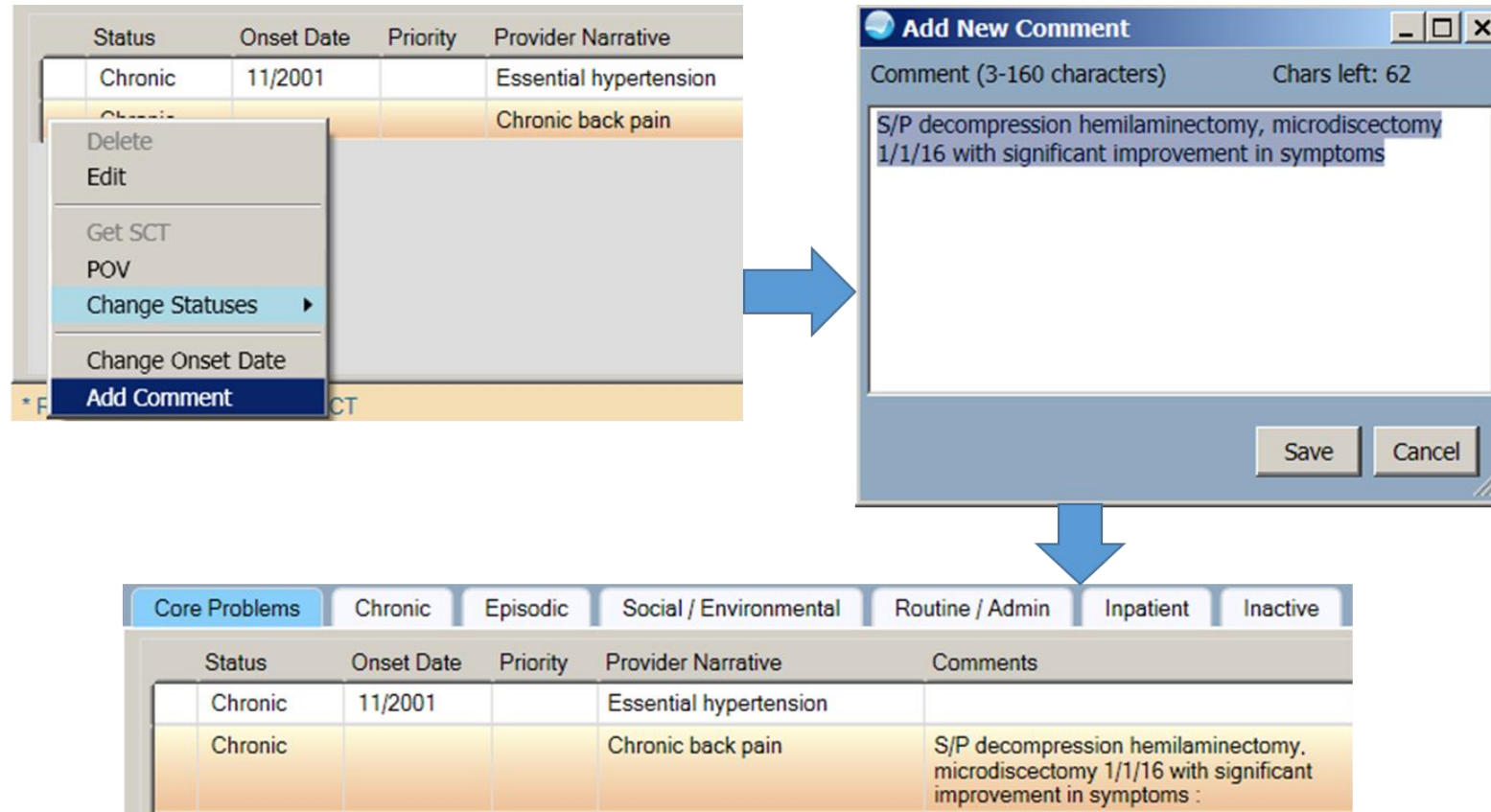
Save Cancel



# Right Click Option – Change Status >1 Problem



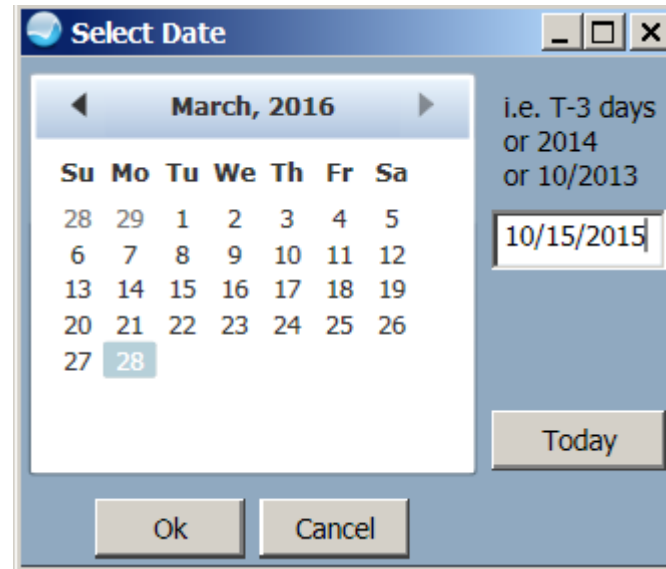
# Right Click Option - Add Comment



# Calendar Controls on IPL

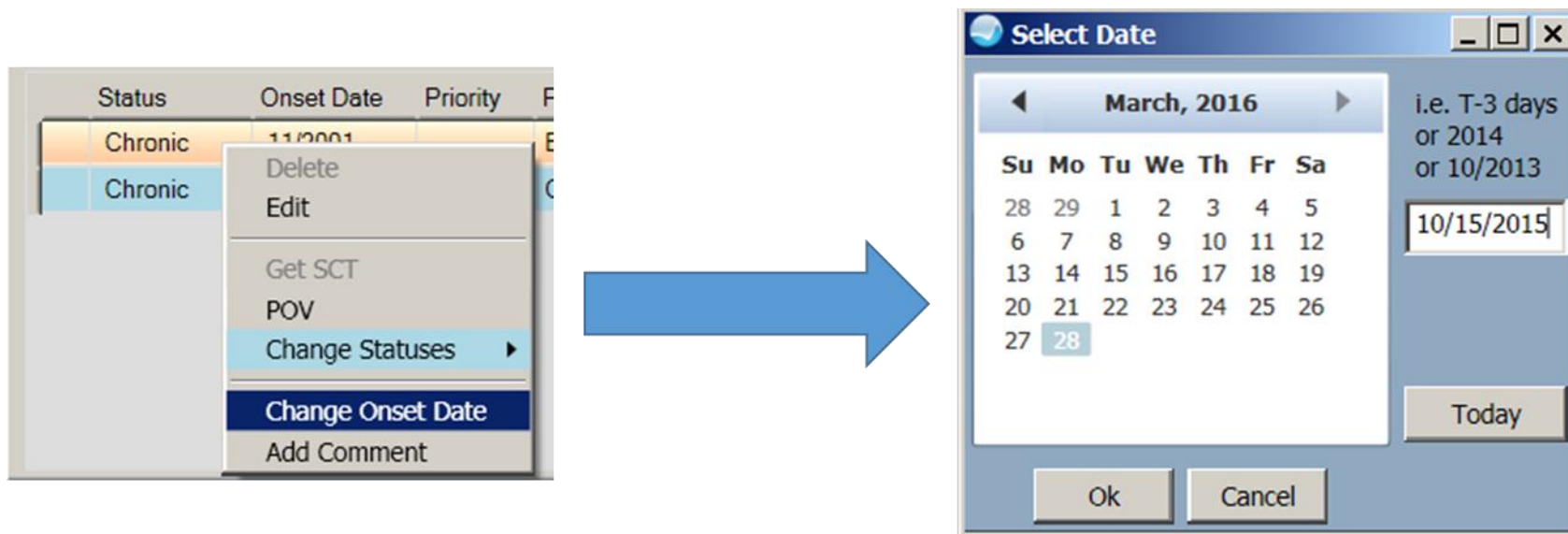
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Now allows entry of T-DAYS and MM/DD/YYYY format



# Right Click Option – Add/Update Date of Onset

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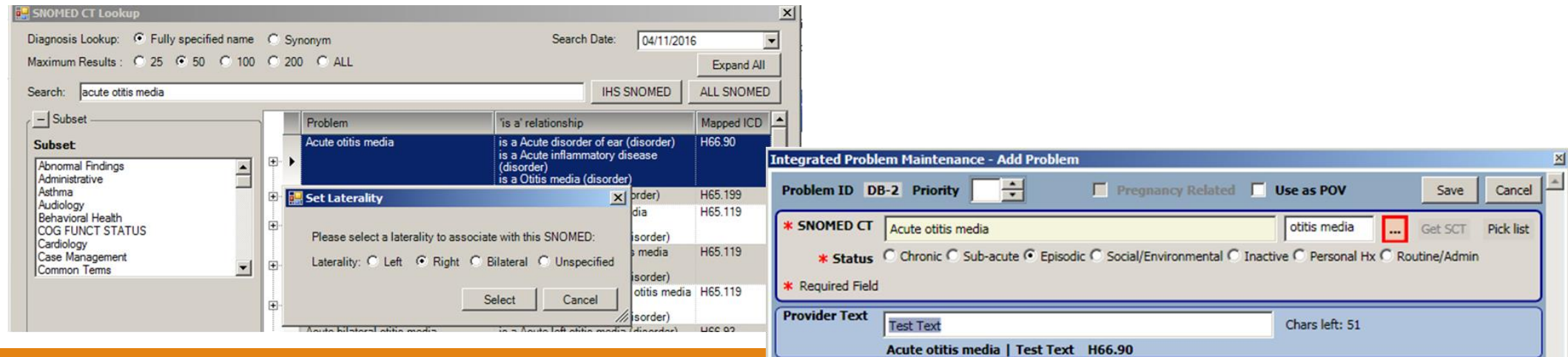


# Laterality

When a user selects a SNOMED term for which laterality is appropriate, a selection dialog is presented. Both the Problem SNOMED and the Laterality SNOMED are stored and are displayed as:

Problem, Laterality | Provider text

Acute Otitis Media, right | test text



# Laterality Picklists

Similar to the SNOMED search tool, if you select a term for which laterality is appropriate, you must select laterality (or unspecified) before saving.

The screenshot shows a 'PickList Selection' dialog box. It has a 'Manage PickLists' button at the top left. Below it, there are two main columns: 'PickList' and 'SNOMEDCT Desc ( Items: 5 )'. The 'PickList' column contains a list of terms, with 'EHRp19 testing' selected. The 'SNOMEDCT Desc' column shows a list of 5 items, with 'Closed fracture of fibula' selected. A dropdown menu is open for the 'Closed fracture of fibula' item, showing options: 'Right', 'Left', 'Bilateral', and 'Unspecified'. The 'Left' option is currently selected. At the bottom of the dialog, there are three buttons: 'Cancel', 'Save as Problem', and 'Save as Problem and POV'. A 'Show All' checkbox is also present at the bottom left.

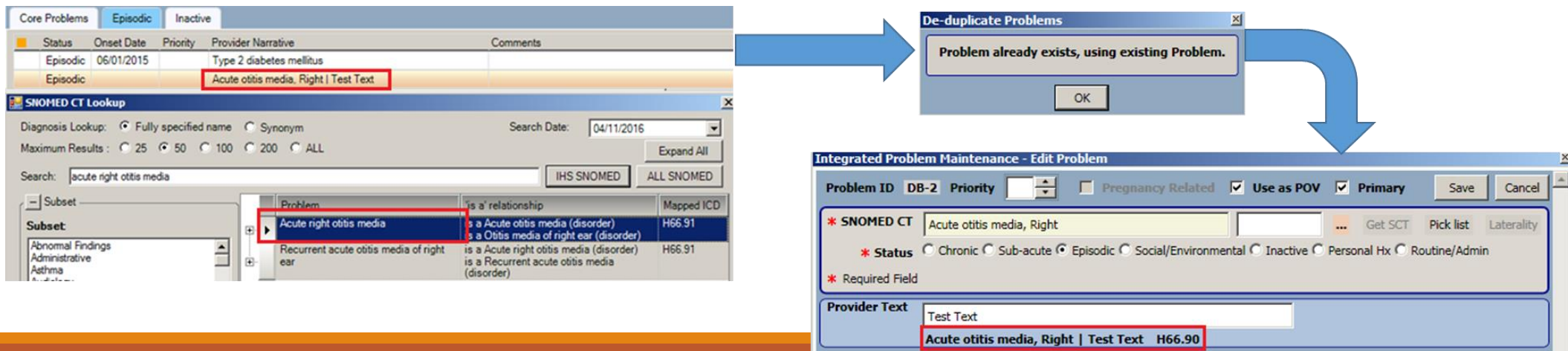
| PickList                                 | SNOMEDCT Desc ( Items: 5 )                                    |
|--|---|
| __ Patch Testing                         | <input type="checkbox"/> Acute left otitis media              |
| PXRM 1005                                | <input type="checkbox"/> Acute otitis media                   |
| EHRp19 testing                           | <input type="checkbox"/> Acute right otitis media             |
| _201601 DTS Content Verification Testing | <input checked="" type="checkbox"/> Closed fracture of fibula |
| ABNORMAL FINDINGS                        | <input type="checkbox"/> Closed fracture of radius            |
| Administrative                           |   |
| CASE MANAGEMENT                          |   |
| CQM Problems                             |   |
| CQM PROBLEMS                             |   |
| ED_Alcohol and Substance Abuse           |   |
| ED_Altered Mental Status                 |   |
| ED_Gastrointestinal                      |   |
| EHRp18 test script                       |   |
| Eye General                              |   |
| Immunizations                            |   |
| IMMUNIZATIONS                            |   |
| MAN test picklist                        |   |
| Musculoskeletal-Fx                       |   |
| NIST PROBLEMS                            |   |
| Nursing                                  |   |
| Nutrition                                |   |

# Search and Select Equivalent Term

Problem entry: “Acute otitis media” + “right”

Search and select: “Acute right otitis media”

- The two are equivalent and your original problem is brought up for edit
- An informational dialog displays and disappears after a few seconds



# EHRp20

Introduced the  
addition of the ability  
to add Brief OB Notes

**Edit Problem**

IPL Priority: 0 ☒ Use as POV ☐ Primary Save Cancel

PIP Priority: ☐ Not Set ☒ Low ☐ Medium ☐ High

\* SNOMED CT: Normal pregnancy ... Pick list

\* IPL Status: ☐ Chronic ☐ Sub-acute ☒ Episodic ☐ Social/Environmental ☐ Inactive ☐ Personal Hx ☐ Routine/Admin

\* PIP Status: ☒ Active ☐ Inactive

\* Scope: ☒ Current Pregnancy ☐ Prior Pregnancy

\* Required Field

Provider Text: Normal pregnancy Z33.1

Date of Onset: ...

Qualifiers: Severity: ... Clinical Course: (0 Selected) ... Episodicities: ...

☐ Is Injury

Care Plan Info

OB Notes

Visit Instructions

Care Planning Activities

Goal Notes

Care Plans