

Opioid Stewardship Evaluating RPMS Opioid Dispensing Data

CDR Nick Sparrow, Chief Pharmacist/Pharmacy Informatics

Sponsors

CAPT Kevin Brooks, IHS Principal Pharmacy Consultant
CAPT Cindy Gunderson, vice-Chair HOPE Committee
CAPT Stephen "Miles" Rudd, MD, Chair HOPE Committee

FIELD SMEs:

Aaron Long, Alicia Smith, Ashley Channels, Clint Krestel, Hillary Duvivier, Joanna Ferraro, Kailee Fretland, Kendall VanTyle, Nick Laughton, Ryan Buckner, Tara Argual, Tincy Maroor, Wil Darwin



Objectives

- Understand the role of data and surveillance in combatting the opioid epidemic
- Describe available tools and best practices surrounding opioid dispensing data surveillance to inform professional practice evaluation and foster continuous quality improvement practices
- Demonstrate the configuration and utilization of the IHS RPMS Report and Information Processor (RRIP)
- Apply information from pre-populated tables to analyze dispensing data



Public Health Surveillance and the Role of Data in the Opioid Epidemic

- HHS Opioid 5-Point Strategy—Better Data
 - HHS is supporting more timely, specific public health data and reporting, including through accelerating CDC's reporting of drug overdose data.
- Data storm: National Vital Statistics; National Center for Injury Prevention and Control; Sexually Transmitted Diseases
- IHS Data Sources

Opioid Stewardship—Using Data

The IHS CMO “Charge”—Issued August 2018

- CMOs, CDs, Pharmacy Directors, Area Pharmacy consultants all have access to tools to monitor opioid prescribing within their respective Areas or Service
- A multidisciplinary approach is essential. Areas should consider sharing summary data with Area Nurse Consultants, Area Quality Officers, Area Behavioral Health consultants
- Tools exist that assist us in identifying prescribing patterns and identifying outliers, patients at risk, and patients for whom lifesaving interventions are readily identifiable
- We need to ensure these tools are deployed at all Federal service units.
- Safe opioid prescribing should be a part of the QAPI program and reported to and overseen by the Medical Staff and the Governing Body.
 - Examples of data utilization include:
 - Local patient-level analysis for use in pain committee and patient therapy plans
 - Professional Practice Evaluation (OPPE, Peer Review)
 - Benchmarking dispensing trends between facilities



Opioid Stewardship Efforts

- Assists with identification of potential prescriber outliers. The tool should also be used to inform medication safety committee reviews as well as support team-based care pain committee review processes.
- Oversight of Opioid dispensing data should be developed as a component of the professional practice evaluation standards. The data should be reviewed at the regional and local level as part of the QAPI, Medical Staff, and GB processes. Any necessary prescriber interventions should be conducted at the local or regional level.
- Professional practice evaluation should reference local chronic pain policy requirements as informed by IHM Part 3, Chapter 30 and Chapter 32.
- Future plans include design and deployment of an opioid stewardship dashboard in 'Qlik'. Sites should NOT wait for this tool to begin opioid stewardship activities.



Opioid Stewardship—Using Data

- An evaluation of dispensing data can:
 - Inform medication safety committee reviews
 - Support integrative team-based care strategies
 - Assist with identification of potential outliers
 - Enhance professional practice evaluation standards and evaluate prescriber adherence with agency policy
 - Facilitate local and regional opioid stewardship reviews and establish benchmarks as part of continuous quality improvement for Medical Staff and Governing Board structures



RPMS Report and Information Processor (RRIP) Overview

- The 'RRIP' Tool is a way to analyze RPMS data
 - It is a macro-enabled workbook that allows detailed review of pharmacy controlled substance dispensing data
 - Takes session logged reports from RPMS and puts the data into Excel
 - Uses pre-populated formulas to calculate
 - Morphine Milligram Equivalents (MMEs)
 - Concurrent benzodiazepine prescriptions
 - Creates useful customizable graphs and tables in seconds

Controlled Substance Management (CSM) Report

DEVICE: HOME// 0;132;999999 TELNET

Controlled Substance Management Report (Detail)

07/16/2018 17:20 Page: 1

Report Criteria:

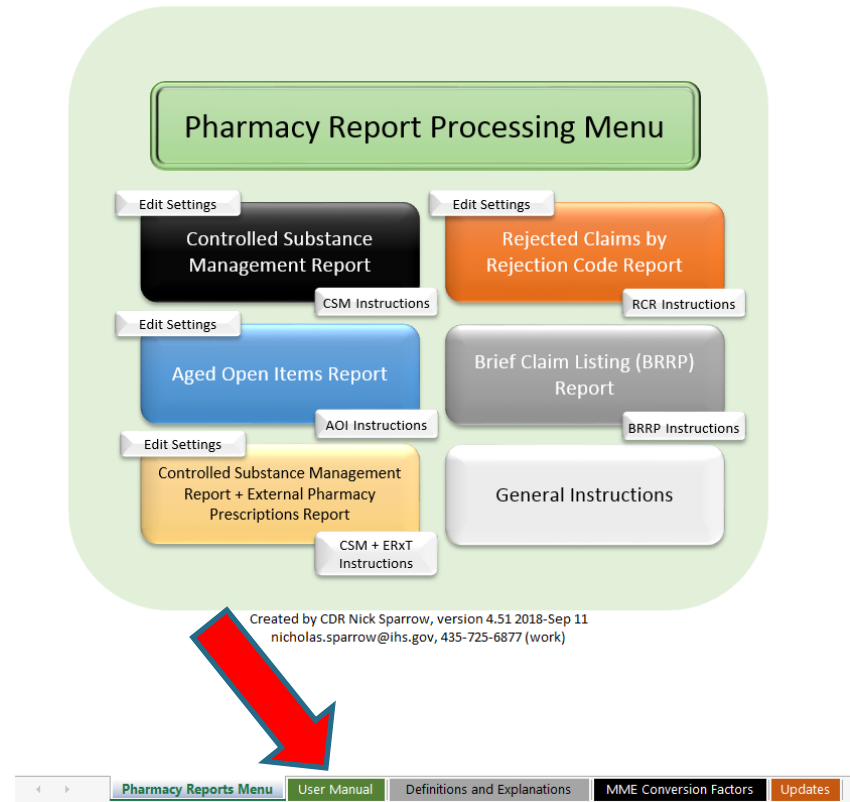
Inclusive Dates: 05/01/2017 to 04/30/2018
 Pharmacy Division: All
 Drug Class: C-II through C-V
 Sorted by: Drug Schedule, Drug Name then Fill Date
 CMOP meds: Included
 Test Pts: Included

Date Disp. Schedule	Type	Patient	HRN	Rx Number	Drug Name	Qty	Days Supply	Drug
Prescriber			DEA Number	Pharmacist	Refills left	CMOP/Mail		
Dosage Ordered								
Pharmacy Division: 2017 DEMO CLINIC								
04/11/2018	F	DEMO,PATIENT ACT	111892	513918	AMPHETAMINE/DEXTROAMPHET XR 10MG CAP	30	30	C-II
HATHAWAY,KATHI JO		KJ1234563		EPCS,PHARMACIST CHANGE	0			
Dosing:TAKE ONE (1) CAPSULE BY MOUTH DAILY FOR ADHD								
05/24/2017	F	SKYE,KERMIT	111107	508300	AMPHETAMINE/DEXTROAMPHET XR 15MG CAP	30	30	C-II
GRASSROPE,ROBERT C		AG2009858		LRLAB,SANDRA	0			
Dosing:TAKE ONE (1) CAPSULE BY MOUTH EVERY MORNING FOR ADHD								
05/10/2017	F	AIKEN,KEITH WADE	110152	507505	AMPHETAMINE/DEXTROAMPHET XR 20MG CAP	16	8	C-II
BAUER,CYNTHIA		AB2011396		LRLAB,SANDRA	0			
Dosing:TAKE TWO (2) CAPSULES BY MOUTH DAILY FOR ADHD								
05/18/2017	F	AIKEN,KEITH WADE	110152	508099	AMPHETAMINE/DEXTROAMPHET XR 20MG CAP	56	28	C-II
BAUER,CYNTHIA		AB2011396		LRLAB,SANDRA	0			
Dosing:TAKE TWO (2) CAPSULES BY MOUTH DAILY FOR ADHD								
06/15/2017	F	AIKEN,KEITH WADE	110152	509545	AMPHETAMINE/DEXTROAMPHET XR 20MG CAP	56	28	C-II
BAUER,CYNTHIA		AB2011396		LRLAB,SANDRA	0			
Dosing:TAKE TWO (2) CAPSULES BY MOUTH DAILY FOR ADHD								
07/13/2017	F	AIKEN,KEITH WADE	110152	511284	AMPHETAMINE/DEXTROAMPHET XR 20MG CAP	56	28	C-II
BAUER,CYNTHIA		AB2011396		LRLAB,SANDRA	0			
Dosing:TAKE TWO (2) CAPSULES BY MOUTH DAILY FOR ADHD								
08/10/2017	F	AIKEN,KEITH WADE	110152	513199	AMPHETAMINE/DEXTROAMPHET XR 20MG CAP	22	11	C-II
BAUER,CYNTHIA		AB2011396		KUNDEL,RIZAN	0			
Dosing:TAKE TWO (2) CAPSULES BY MOUTH DAILY FOR ADHD								

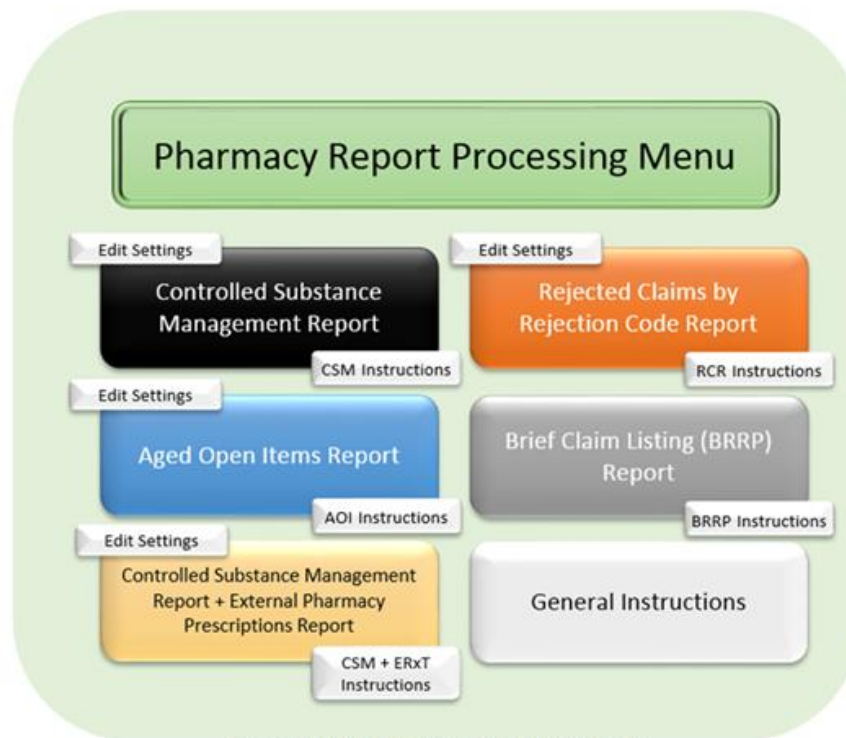
RPMS Report and Information Processor (RRIP) Tool

Getting Started

1. Tabs at bottom of main workbook contain the 'User Manual'
2. Start with the user manual
3. Includes definitions and explanations of how data is handled, the conversion factors for MME calculations, and a list of the updates for different versions



RRIP Tool—Main Screen



Created by CDR Nick Sparrow, version 4.51 2018-Sep 11
nicholas.sparrow@ihs.gov, 435-725-6877 (work)

RRIP Configuration

- Customizable—allows user to select the desired data points and the display order

CSM Initial Setup ✕

Welcome to the RPMS Report and Information Processor! Below you may choose how you would like this report to look. Each dropdown contains all the data items you may want to display from the CSM report. Simply choose which data you want for each column. Choose only the data you want displayed and leave blank or choose "Leave Blank" the columns where you do not want data displayed. Clicking "Save" will save these settings but allow you to change them next time you process a report. Clicking the "Permanently Save" button will save your settings and this box will not display next time you process a report. If later you want to modify your settings, simply click the "Edit Columns" button next to the "Process Controlled Substance Monitoring Report" on the main report processing page

Note: MME = Morphine Milligram Equivalent

If you choose to display the pivot graphs, at a minimum you must have the following columns in any order you wish: Division, Fill Date, Patient, Chart #, Drug Name, Qty, Days Supply, Prescriber, Daily MME, and Total MME

Column A	Column B	Column C	Column D	Column E	Column F	Column G	Column H	Column I
Division ▼	Fill Date ▼	Patient ▼	Drug Name ▼	Qty ▼	Days Supply ▼	Type ▼	Rx # ▼	Prescriber ▼

Column J	Column K	Column L	Column M	Column N	Column O	Column P	Column Q	Column R
Daily MME ▼	Total MME ▼	Chart # ▼	Schedule ▼	DEA # ▼	Pharmacy ▼	Refills Left ▼	CMOP/M ▼	Site ▼

Would you like to display pivot graphs and tables that will allow you to quickly analyze the data contained in the CSM report?

Yes ▼

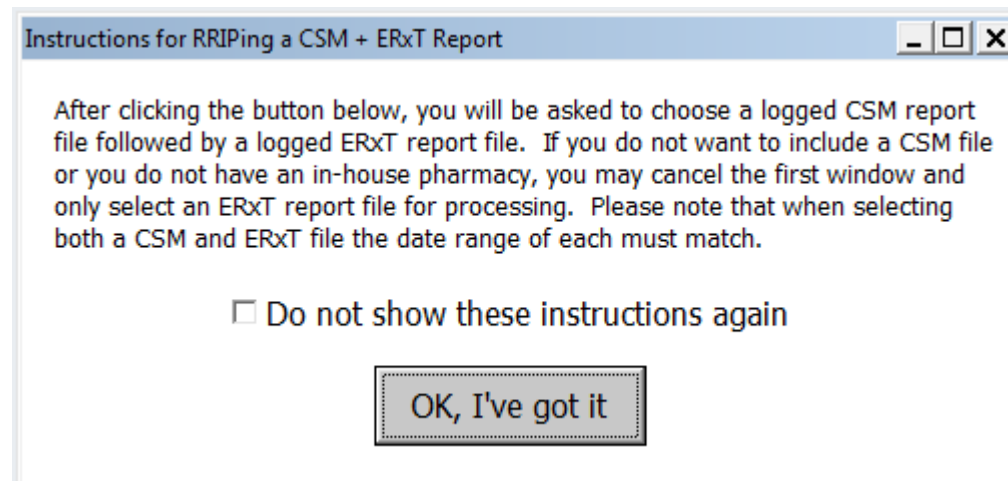
Would you like the .txt file you created to run this report to be deleted automatically?

No ▼

Clear Columns
Save
Permanently Save

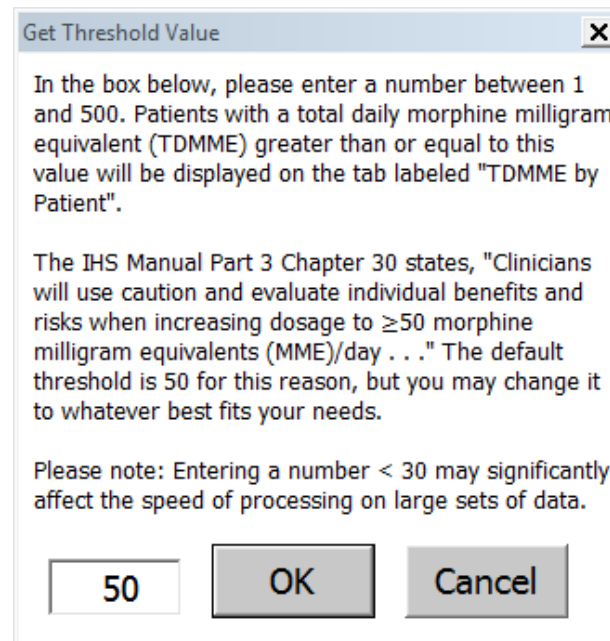
RRIP Coaching Tools and Instructions

- Platform includes many in program instructions help guide you



RRIP Customization

- Ability to program thresholds to customize reports
- Defaults are guided by IHM Part 3 Chapter 30 requirements



Get Threshold Value

In the box below, please enter a number between 1 and 500. Patients with a total daily morphine milligram equivalent (TDMME) greater than or equal to this value will be displayed on the tab labeled "TDMME by Patient".

The IHS Manual Part 3 Chapter 30 states, "Clinicians will use caution and evaluate individual benefits and risks when increasing dosage to ≥ 50 morphine milligram equivalents (MME)/day . . ." The default threshold is 50 for this reason, but you may change it to whatever best fits your needs.

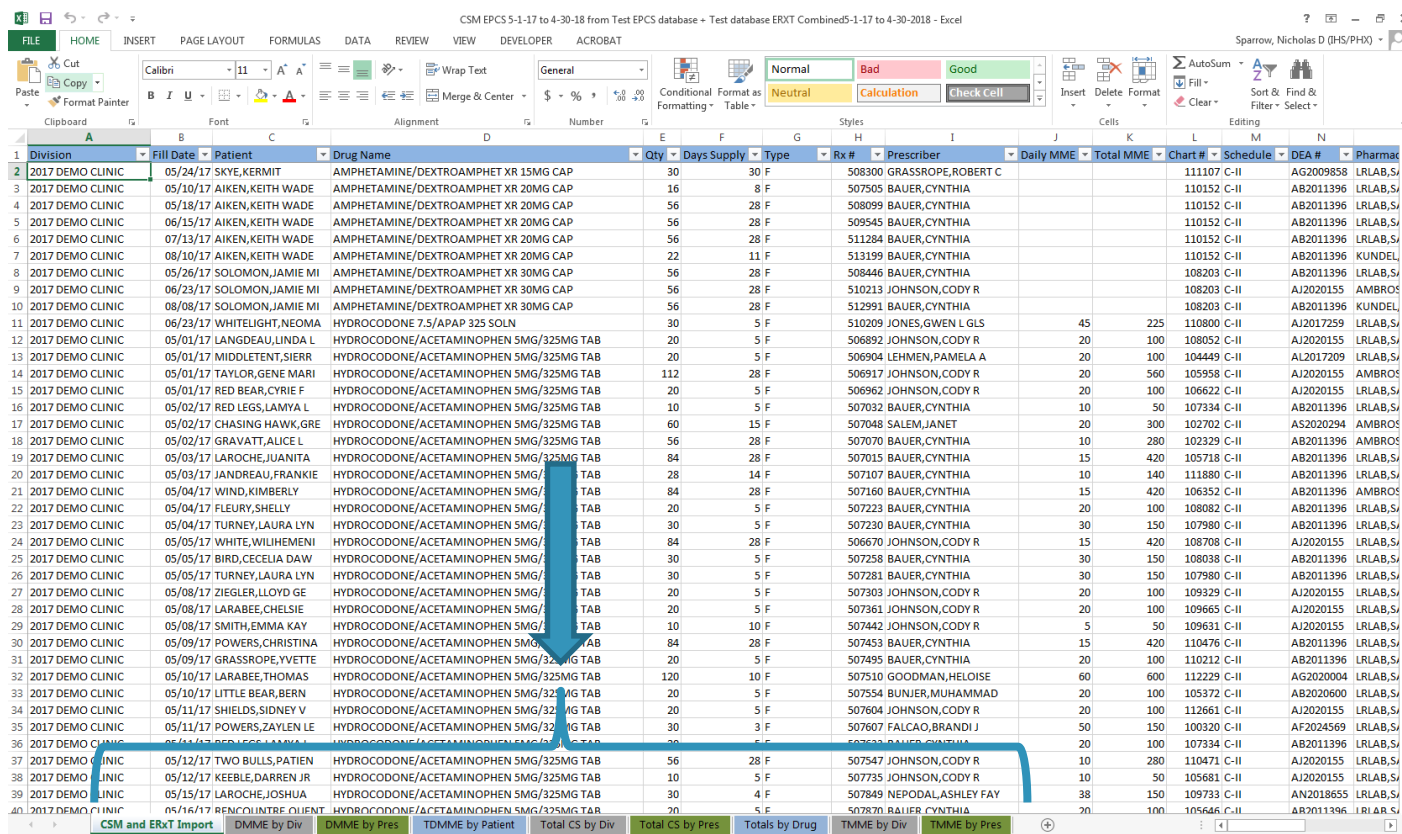
Please note: Entering a number < 30 may significantly affect the speed of processing on large sets of data.

50 OK Cancel

RRIP Raw Data

- Tabs at the bottom contain pre-populated formulas to help analyze, interpret, and use opioid dispensing data

CSM EPCS 5-1-17 to 4-30-18 from Test EPCS database + Test database ERXT Combined5-1-17 to 4-30-2018 - Excel



Division	Fill Date	Patient	Drug Name	Qty	Days Supply	Type	Rx #	Prescriber	Daily MME	Total MME	Chart #	Schedule	DEA #	Pharmacist
2017 DEMO CLINIC	05/24/17	SKYE, KERMIT	AMPHETAMINE/DEXTROAMPHET XR 15MG CAP	30	30	F	508300	GRASSROPE, ROBERT C			111107	C-II	AG2009858	LRLAB, S
2017 DEMO CLINIC	05/10/17	AIKEN, KEITH WADE	AMPHETAMINE/DEXTROAMPHET XR 20MG CAP	16	8	F	507505	BAUER, CYNTHIA			110152	C-II	AB2011396	LRLAB, S
2017 DEMO CLINIC	05/18/17	AIKEN, KEITH WADE	AMPHETAMINE/DEXTROAMPHET XR 20MG CAP	56	28	F	508099	BAUER, CYNTHIA			110152	C-II	AB2011396	LRLAB, S
2017 DEMO CLINIC	06/15/17	AIKEN, KEITH WADE	AMPHETAMINE/DEXTROAMPHET XR 20MG CAP	56	28	F	509545	BAUER, CYNTHIA			110152	C-II	AB2011396	LRLAB, S
2017 DEMO CLINIC	07/13/17	AIKEN, KEITH WADE	AMPHETAMINE/DEXTROAMPHET XR 20MG CAP	56	28	F	511284	BAUER, CYNTHIA			110152	C-II	AB2011396	LRLAB, S
2017 DEMO CLINIC	08/10/17	AIKEN, KEITH WADE	AMPHETAMINE/DEXTROAMPHET XR 20MG CAP	22	11	F	513199	BAUER, CYNTHIA			110152	C-II	AB2011396	KUNDEL
2017 DEMO CLINIC	05/26/17	SOLOMON, JAMIE MI	AMPHETAMINE/DEXTROAMPHET XR 30MG CAP	56	28	F	508446	BAUER, CYNTHIA			108203	C-II	AB2011396	LRLAB, S
2017 DEMO CLINIC	06/23/17	SOLOMON, JAMIE MI	AMPHETAMINE/DEXTROAMPHET XR 30MG CAP	56	28	F	510213	JOHNSON, CODY R			108203	C-II	AJ2020155	AMBR05
2017 DEMO CLINIC	08/08/17	SOLOMON, JAMIE MI	AMPHETAMINE/DEXTROAMPHET XR 30MG CAP	56	28	F	512991	BAUER, CYNTHIA			108203	C-II	AB2011396	KUNDEL
2017 DEMO CLINIC	06/23/17	WHITELIGHT, NEOMA	HYDROCODONE 7.5/APAP 325 SOLN	30	5	F	510209	JONES, GWEN L GLS	45	225	110800	C-II	AJ2017259	LRLAB, S
2017 DEMO CLINIC	05/01/17	LANGDEAU, LINDA L	HYDROCODONE/ACETAMINOPHEN SMG/325MG TAB	20	5	F	506892	JOHNSON, CODY R	20	100	108052	C-II	AJ2020155	LRLAB, S
2017 DEMO CLINIC	05/01/17	MIDDLETENT, SIERR	HYDROCODONE/ACETAMINOPHEN SMG/325MG TAB	20	5	F	506904	LEHMEN, PAMELA A	20	100	104449	C-II	AL2017209	LRLAB, S
2017 DEMO CLINIC	05/01/17	TAYLOR, GENE MARI	HYDROCODONE/ACETAMINOPHEN SMG/325MG TAB	112	28	F	506917	JOHNSON, CODY R	20	560	105958	C-II	AJ2020155	AMBR05
2017 DEMO CLINIC	05/01/17	RED BEAR, CYRIE F	HYDROCODONE/ACETAMINOPHEN SMG/325MG TAB	20	5	F	506962	JOHNSON, CODY R	20	100	106622	C-II	AJ2020155	LRLAB, S
2017 DEMO CLINIC	05/02/17	RED LEGS, LAMYA A	HYDROCODONE/ACETAMINOPHEN SMG/325MG TAB	10	5	F	507032	BAUER, CYNTHIA	10	50	107334	C-II	AB2011396	LRLAB, S
2017 DEMO CLINIC	05/02/17	CHASING HAWK, GRE	HYDROCODONE/ACETAMINOPHEN SMG/325MG TAB	60	15	F	507048	SALEM, JANET	20	300	102702	C-II	AS2020294	AMBR05
2017 DEMO CLINIC	05/02/17	GRAVATT, ALICE L	HYDROCODONE/ACETAMINOPHEN SMG/325MG TAB	56	28	F	507070	BAUER, CYNTHIA	10	280	102329	C-II	AB2011396	AMBR05
2017 DEMO CLINIC	05/03/17	LAROCHE, JUANITA	HYDROCODONE/ACETAMINOPHEN SMG/325MG TAB	84	28	F	507015	BAUER, CYNTHIA	15	420	105718	C-II	AB2011396	LRLAB, S
2017 DEMO CLINIC	05/03/17	JANDREAU, FRANKIE	HYDROCODONE/ACETAMINOPHEN SMG/325MG TAB	28	14	F	507107	BAUER, CYNTHIA	10	140	111880	C-II	AB2011396	LRLAB, S
2017 DEMO CLINIC	05/04/17	WIND, KIMBERLY	HYDROCODONE/ACETAMINOPHEN SMG/325MG TAB	84	28	F	507160	BAUER, CYNTHIA	15	420	106352	C-II	AB2011396	AMBR05
2017 DEMO CLINIC	05/04/17	FLEURY, SHELLEY	HYDROCODONE/ACETAMINOPHEN SMG/325MG TAB	20	5	F	507223	BAUER, CYNTHIA	20	100	108082	C-II	AB2011396	LRLAB, S
2017 DEMO CLINIC	05/04/17	TURNERY, LAURA LYN	HYDROCODONE/ACETAMINOPHEN SMG/325MG TAB	30	5	F	507230	BAUER, CYNTHIA	30	150	107980	C-II	AB2011396	LRLAB, S
2017 DEMO CLINIC	05/05/17	WHITE, WILHEMINE	HYDROCODONE/ACETAMINOPHEN SMG/325MG TAB	84	28	F	506670	JOHNSON, CODY R	15	420	108708	C-II	AJ2020155	LRLAB, S
2017 DEMO CLINIC	05/05/17	BIRD, CECILIA DAW	HYDROCODONE/ACETAMINOPHEN SMG/325MG TAB	30	5	F	507258	BAUER, CYNTHIA	30	150	108038	C-II	AB2011396	LRLAB, S
2017 DEMO CLINIC	05/05/17	TURNERY, LAURA LYN	HYDROCODONE/ACETAMINOPHEN SMG/325MG TAB	30	5	F	507281	BAUER, CYNTHIA	30	150	107980	C-II	AB2011396	LRLAB, S
2017 DEMO CLINIC	05/08/17	ZIEGLER, LLOYD GE	HYDROCODONE/ACETAMINOPHEN SMG/325MG TAB	20	5	F	507303	JOHNSON, CODY R	20	100	109329	C-II	AJ2020155	LRLAB, S
2017 DEMO CLINIC	05/08/17	LARABEE, CHELSIE	HYDROCODONE/ACETAMINOPHEN SMG/325MG TAB	20	5	F	507361	JOHNSON, CODY R	20	100	109665	C-II	AJ2020155	LRLAB, S
2017 DEMO CLINIC	05/08/17	SMITH, EMMA KAY	HYDROCODONE/ACETAMINOPHEN SMG/325MG TAB	10	10	F	507442	JOHNSON, CODY R	5	50	109631	C-II	AJ2020155	LRLAB, S
2017 DEMO CLINIC	05/09/17	POWERS, CHRISTINA	HYDROCODONE/ACETAMINOPHEN SMG/325MG TAB	84	28	F	507453	BAUER, CYNTHIA	15	420	110476	C-II	AB2011396	LRLAB, S
2017 DEMO CLINIC	05/09/17	GRASSROPE, YVETTE	HYDROCODONE/ACETAMINOPHEN SMG/325MG TAB	20	5	F	507495	BAUER, CYNTHIA	20	100	110212	C-II	AB2011396	LRLAB, S
2017 DEMO CLINIC	05/10/17	KEEBLE, THOMAS	HYDROCODONE/ACETAMINOPHEN SMG/325MG TAB	120	10	F	507510	GOODMAN, HELOISE	60	600	112229	C-II	AG2020004	LRLAB, S
2017 DEMO CLINIC	05/10/17	LITTLE BEAR, BERN	HYDROCODONE/ACETAMINOPHEN SMG/325MG TAB	20	5	F	507554	BUNJER, MUHAMMAD	20	100	105372	C-II	AB2020600	LRLAB, S
2017 DEMO CLINIC	05/11/17	SHIELDS, SIDNEY V	HYDROCODONE/ACETAMINOPHEN SMG/325MG TAB	20	5	F	507604	JOHNSON, CODY R	20	100	112661	C-II	AJ2020155	LRLAB, S
2017 DEMO CLINIC	05/11/17	POWERS, ZAVLEN LE	HYDROCODONE/ACETAMINOPHEN SMG/325MG TAB	30	3	F	507607	FALCAO, BRANDI J	50	150	103020	C-II	AF2024569	LRLAB, S
2017 DEMO CLINIC	05/14/17	BEF, LAMIA L	HYDROCODONE/ACETAMINOPHEN SMG/325MG TAB	20	5	F	507633	BAUER, CYNTHIA	20	100	107334	C-II	AB2011396	LRLAB, S
2017 DEMO CLINIC	05/12/17	TWO BULLS, PATIEN	HYDROCODONE/ACETAMINOPHEN SMG/325MG TAB	56	28	F	507547	JOHNSON, CODY R	10	280	110471	C-II	AJ2020155	LRLAB, S
2017 DEMO CLINIC	05/12/17	KEEBLE, DARREN JR	HYDROCODONE/ACETAMINOPHEN SMG/325MG TAB	10	5	F	507735	JOHNSON, CODY R	10	50	105681	C-II	AJ2020155	LRLAB, S
2017 DEMO CLINIC	05/15/17	LAROCHE, JOSHUA	HYDROCODONE/ACETAMINOPHEN SMG/325MG TAB	30	4	F	507849	NEPODAL, ASHLEY FAY	38	150	109733	C-II	AN2018655	LRLAB, S
2017 DEMO CLINIC	05/16/17	RENCOURT, CLIFF	HYDROCODONE/ACETAMINOPHEN SMG/325MG TAB	20	5	F	507870	BAUER, CYNTHIA	20	100	105646	C-II	AB2011396	LRLAB, S

CSM and ERXT Import DMME by Div DMME by Pres DMME by Patient Total CS by Div Total CS by Pres Totals by Drug TMMME by Div TMMME by Pres

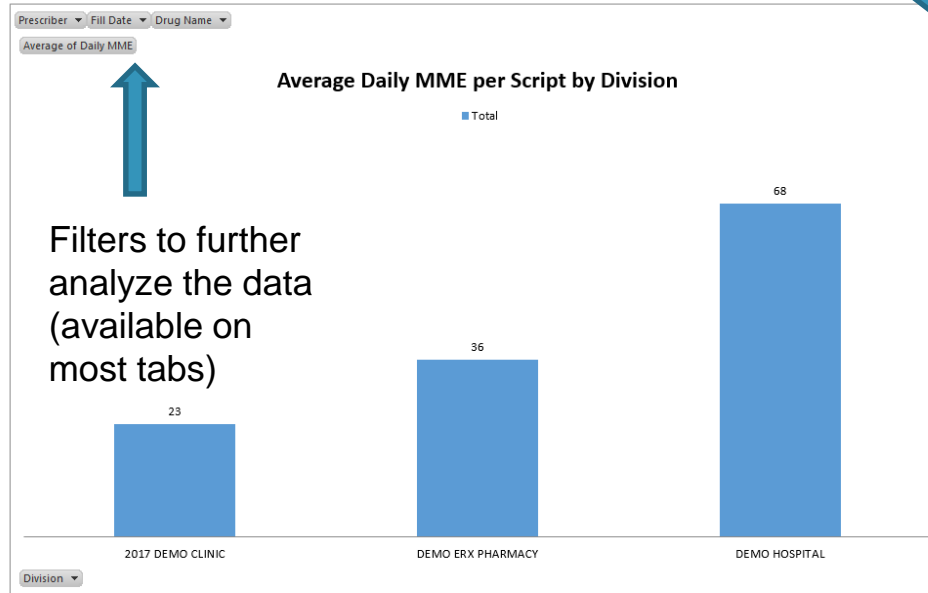
Daily Morphine Milligram Equivalents (DMME) by Division

Prescriber	(All)
Fill Date	(All)
Drug Name	(All)
Row Labels	
2017 DEMO CLINIC	23
DEMO ERX PHARMACY	36
DEMO HOSPITAL	68
Grand Total	26

Please note: Fully understand the logic used to generate numbers on this tab and all others. As this is an RRIP'd report, please familiarize yourself with the information presented in the "Definitions and Explanations" tab in the main RRIP workbook.

Double-clicking on any of these numbers will display all the scripts that created that number (available on all tabs)

This pivot chart displays the average daily morphine milligram equivalents (MME) prescribed per division for the timeframe of the original report (CSM and ERxT Import). It's possible a smaller division may appear as a blank if no narcotic controlled substances were prescribed there during the report period. The drop-down filters can be used to further filter the results. Additionally if you have the chart selected, you will notice 4 boxes in the bottom right section of the screen labeled "Report Filter", "Legend Fields (series)", "Axis Fields (Categories)", and "Values". If you drag the "Drug Name" from the "Report Filter" box down to below "Division" in the "Axis Fields (Categories)", you will then be able to see the average Daily MME of each drug prescribed per division. Lastly, as with all pivot tables, you can double-click the totals in the pivot table to drilldown to the data that created that number.



Explanation of the chart (available on all tabs)

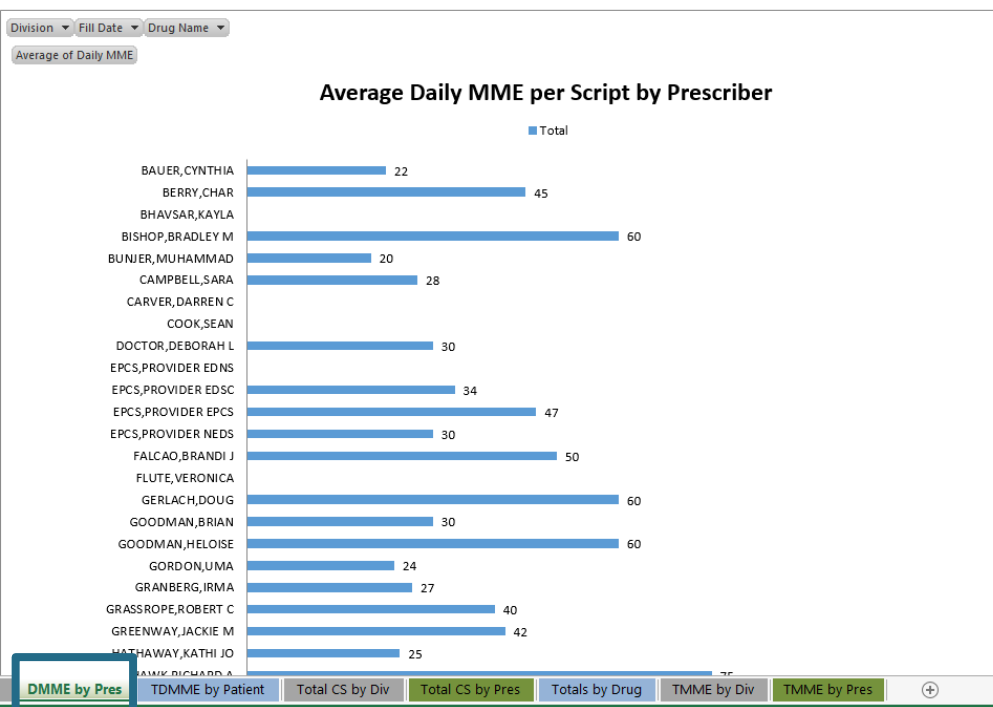
DMME by Prescriber

Division	(All)	▼
Fill Date	(All)	▼
Drug Name	(All)	▼

Row Labels Average of Daily MME

BAUER,CYNTHIA	22
BERRY,CHAR	45
BHAVSAR,KAYLA	
BISHOP,BRADLEY M	60
BUNJER,MUHAMMAD	20
CAMPBELL,SARA	28
CARVER,DARREN C	
COOK,SEAN	
DOCTOR,DEBORAH L	30
EPCS,PROVIDER EDNS	
EPCS,PROVIDER EDSC	34
EPCS,PROVIDER EPCS	47
EPCS,PROVIDER NEDS	30
FALCAO,BRANDI J	50
FLUTE,VERONICA	
GERLACH,DOUG	60
GOODMAN,BRIAN	30
GOODMAN,HELOISE	60
GORDON,UMA	24
GRANBERG,IRMA	27
GRASSROPE,ROBERT C	40
GREENWAY,JACKIE M	42
HATHAWAY,KATHI JO	25
HAWK,RICHARD A	75
HOHN,SHAHID	
HUCKINS,JUANITA	
JAIN,BRIDGET	33
JOHNSON,CODY R	18
JONES,GWEN L GLS	20
KOSAR,ALAULDEEN HA	26
LEHMEN,PAMELA A	20
LUEKING,DAVID	19
LUTTER,STUART G	27
LYAAA,DR	47
MARTINE,KATIE	40

This pivot chart displays the daily average morphine milligram equivalents (MME) prescribed per prescriber for the timeframe of the original report (CSM and ERxT Import). Some prescribers may appear as blanks if they prescribed controlled substances, but not narcotics during the report period. The drop-down filters can be used to further filter the results. Additionally if you have the chart selected, you will notice 4 boxes in the bottom right section of the screen labeled "Report Filter", "Legend Fields (series)", "Axis Fields (Categories)", and "Values". If you drag the "Drug Name" from the "Report Filter" box down to below "Prescriber" in the "Axis Fields (Categories)", you will then be able to see the average Daily MME of each drug each prescriber prescribed. Note: if there is a long list of prescribers, you may want to filter your prescribers down to just a handful before moving the "Drug Name" to the "Axis Fields (Categories)" box. Lastly, as with all pivot tables, you can double-click the totals in the pivot table to drilldown to the data that created that number.



Total DMME by Patient

Patient list
from
identified
parameters
with refill
history to
the right

Click here for a description of this table

How is the days supply displayed?

Click here for instructions on how to further analyze this data

Total # of patients who received any opioid: 216
Average TDMME/pt. for all patients who received any opioid: 30

The table below shows patients with at least 8 days at ≥ 50 TDMME

DMME ≥ 50 (12) Fill Dates DMME ≥ 90 (7) Benzodiazepines (2)

Sum of Daily MME

Fill Date

Patient(C#)	Drug Name	05-01-17	05-02-17	05-03-17	05-04-17	05-05-17	05-06-17	05-07-17	05-08-17	05-09-17	05-10-17	05-11-17	05-12-17	05-13-17	05-14-17	05-15-17	05-16-17	05-17-17	05-18-17	05-19-17	05-20-17	05-21-17	05-22-17	05-23-17	05-24-17	05-25-17	05-26-17	05-27-17	05-28-17	05-30-17	06-05-17	06-06-17
BISHOP, BRANSON E (144095)	FENTANYL 25MCG/HR PATCH																															
	methylPHENIDATE 18MG *XR* TAB																															
HICKEY, JENNIFER (105652)	OXYCODONE CR 10MG TAB																															
	OXYCODONE CR 20MG TAB																															
LARABEE, THOMAS (112229)	HYDROCODONE/ACETAMINOPHEN 5MG/325MG TAB																															
	PREGABALIN 75MG CAP																															
LI, CI (67849)	MORPHINE 60MG SA TAB																															
	TRAMADOL HCL 50MG TAB																															
RITE, PATIENT ACE (111602)	ACETAMINOPHEN/COD #3 TABLET																															
	AMPHETAMINE/DEXTROAMPHET XR 10MG CAP																															
	HYDROCODONE/ACETAMINOPHEN 5MG/325MG TAB																															
	MORPHINE SULFATE CR 30MG TAB 100'S																															
	OXYCODONE/APAP 5MG/325MG TAB																															
RITE, PATIENT ACF (111542)	ACETAMINOPHEN/COD #3 TABLET																															
	AMPHETAMINE/DEXTROAMPHET XR 10MG CAP																															
	AMPHETAMINE/DEXTROAMPHET XR 15MG CAP																															
	APAP/CODEINE 120MG/12MG/5ML ELIXIR																															
	ASA/BUTALBITAL/CAFFEINE CAP																															
	CLONAZEPAM 1MG TAB																															
	DAYTRANA 30MG/9HR PATCH																															

CSM and ERxT Import DMME by Div DMME by Pres TDMME by Patient Total CS by Div Total CS by Pres Totals by Drug TMME by Div TMM ...

Counts of patients
meeting
parameters
entered are in ()

Total # of Controlled Substances by Division

Prescriber	(All)
Fill Date	(All)
Drug Name	(All)

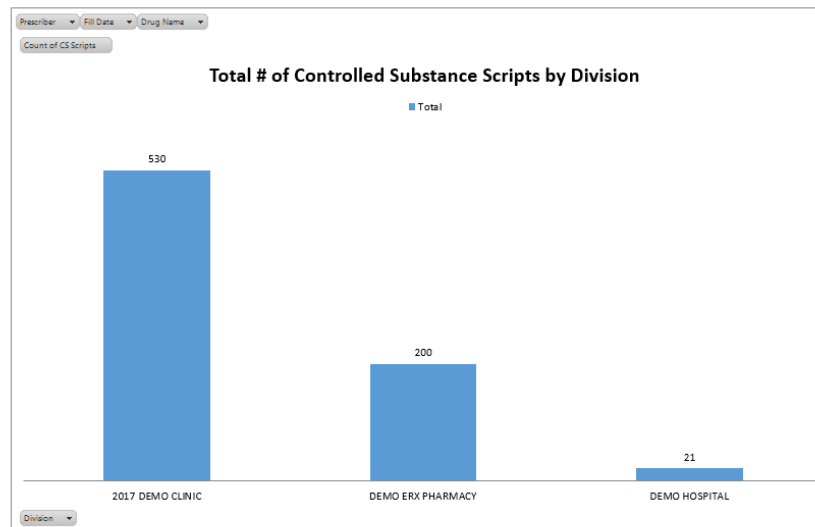
Row Labels	Count of CS Scripts
2017 DEMO CLINIC	530
DEMO ERX PHARMACY	200
DEMO HOSPITAL	21
Grand Total	751

This pivot chart displays the total number of controlled substance scripts written per division for the timeframe of the original report (CSM and ERxT Import). If you would like to give context to this data, you may want to know what percentage of total script volume for each division is controlled substances. To do this, run the RXDA report (in RPMS) for each division for the same timeframe as the CSM report and then take the total controlled substance scripts for each division (the numbers in the graph) and divide them by the RXDA numbers for the respective division then times by 100 to get the percentage. The drop-down filters can be used to further filter the results. Additionally if you have the chart selected, you will notice 4 boxes in the bottom right section of the screen labeled "Report Filter", "Legend Fields (series)", "Axis Fields (Categories)", and "Values". If you drag the "Drug Name" from the "Report Filter" box down to below "Division" in the "Axis Fields (Categories)", you will then be able to see how many scripts of each drug were prescribed by each division. Lastly, as with all pivot tables, you can double-click the totals in the pivot table to drilldown

Total # of Controlled Injectables and In-house Scripts for all Divisions Combined: 47

Total # of Outpatient Opioid Scripts for all Divisions Combined: 367

Please note: To fully understand the logic used to get the numbers on this tab and all others in this RRIP'd report, please familiarize yourself with the information presented in the grey "Definitions and Explanations" tab in the main RRIP workbook.



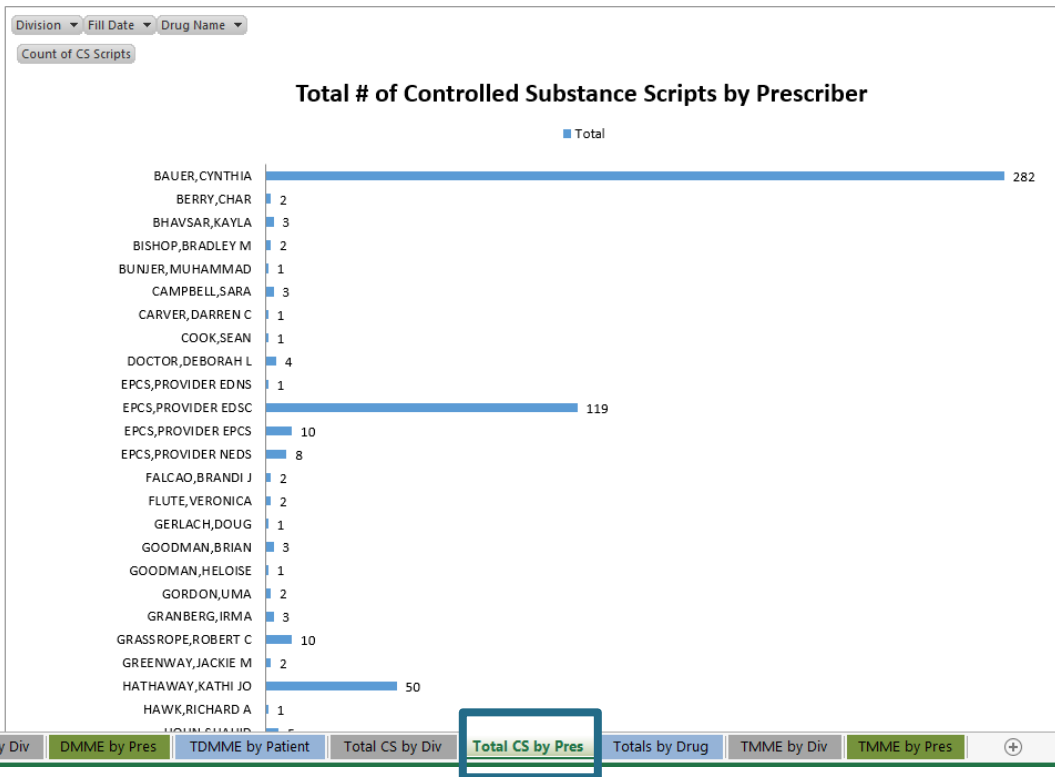
Total # of Controlled Substance Prescriptions by Prescriber

Division (All)
 Fill Date (All)
 Drug Name (All)

Row Labels Count of CS Scripts

BAUER,CYNTHIA	282
BERRY,CHAR	2
BHAVSAR,KAYLA	3
BISHOP,BRADLEY M	2
BUNJER,MUHAMMAD	1
CAMPBELL,SARA	3
CARVER,DARREN C	1
COOK,SEAN	1
DOCTOR,DEBORAH L	4
EPCS,PROVIDER EDNS	1
EPCS,PROVIDER EDSC	119
EPCS,PROVIDER EPCS	10
EPCS,PROVIDER NEDS	8
FALCAO,BRANDI J	2
FLUTE,VERONICA	2
GERLACH,DOUG	1
GOODMAN,BRIAN	3
GOODMAN,HELOISE	1
GORDON,UMA	2
GRANBERG,IRMA	3
GRASSROPE,ROBERT C	10
GREENWAY,JACKIE M	2
HATHAWAY,KATHI JO	50
HAWK,RICHARD A	1
HOHN,SHAHID	5
HUCKINS,JUANITA	1
JAIN,BRIDGET	1
JOHNSON,CODY R	141
JONES,GWEN L GLS	27
KOSAR,ALAUDEEN HA	2
LEHMEN,PAMELA A	1
LUEKING,DAVID	1
LUTTER,STUART G	2
LYAAA,DR	3
MARTINE,KATIE	1

This pivot chart displays the total number controlled substance scripts written per prescriber for the timeframe of the original report (CSM and ERxT Import). The drop-down filters can be used to further filter the results. Additionally if you have the chart selected, you will notice 4 boxes in the bottom right section of the screen labeled "Report Filter", "Legend Fields (series)", "Axis Fields (Categories)", and "Values". If you drag the "Drug Name" from the "Report Filter" box down to below "Prescriber" in the "Axis Fields (Categories)", you will then be able to see how many scripts of each drug each prescriber prescribed. Note: if there is a long list of prescribers, you may want to filter your prescribers down to just a handful before moving the "Drug Name" to the "Axis Fields (Categories)" box. Lastly, as with all pivot tables, you can double-click the totals in the pivot table to drilldown to the data that created that

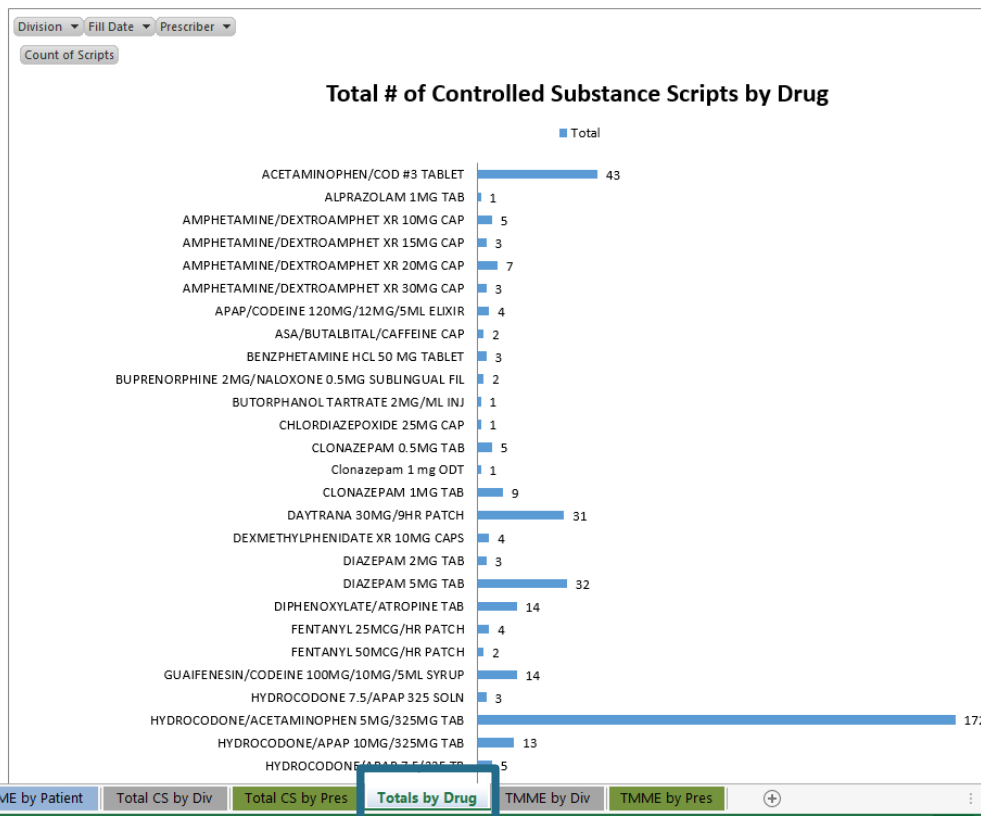


Totals by Drug

Division	(All)
Fill Date	(All)
Prescriber	(All)

This pivot chart displays the total number of controlled substances prescribed, sorted by drug, for the timeframe of the original report (CSM and EI Import). The drop-down filters can be used to further filter the results. Lastly, as with all pivot tables, you can double-click the totals in the pivot table drilldown to the data that created that number.

Row Labels	Count of Scripts
ACETAMINOPHEN/COD #3 TABLET	43
ALPRAZOLAM 1MG TAB	1
AMPHETAMINE/DEXTROAMPHET XR 10MG CAP	5
AMPHETAMINE/DEXTROAMPHET XR 15MG CAP	3
AMPHETAMINE/DEXTROAMPHET XR 20MG CAP	7
AMPHETAMINE/DEXTROAMPHET XR 30MG CAP	3
APAP/CODEINE 120MG/12MG/5ML ELIXIR	4
ASA/BUTALBITAL/CAFFEINE CAP	2
BENZPHETAMINE HCL 50 MG TABLET	3
BUPRENORPHINE 2MG/NALOXONE 0.5MG SUBLINGUAL FIL	2
BUTORPHANOL TARTRATE 2MG/ML INJ	1
CHLORDIAZEPOXIDE 25MG CAP	1
CLONAZEPAM 0.5MG TAB	5
Clonazepam 1 mg ODT	1
CLONAZEPAM 1MG TAB	9
DAYTRANA 30MG/9HR PATCH	31
DEXMETHYLPHENIDATE XR 10MG CAPS	4
DIAZEPAM 2MG TAB	3
DIAZEPAM 5MG TAB	32
DIPHENOXYLATE/ATROPINE TAB	14
FENTANYL 25MCG/HR PATCH	4
FENTANYL 50MCG/HR PATCH	2
GUAIFENESIN/CODEINE 100MG/10MG/5ML SYRUP	14
HYDROCODONE 7.5/APAP 325 SOLN	3
HYDROCODONE/ACETAMINOPHEN 5MG/325MG TAB	172
HYDROCODONE/APAP 10MG/325MG TAB	13
HYDROCODONE/APAP 7.5/325 TB	5
LISDEXAMFETAMINE 10MG CAPSULE	1
LOMOTIL (DIPHENOXYLATE/ATROPINE) 2.5MG/0.025MG	1
LORAZEPAM 0.5MG TAB	24
LORAZEPAM 1MG TAB	18
methylPHENIDATE 18MG *XR* TAB	1
methylPHENIDATE 36MG *XR* TAB	1
METHYLPHENIDATE 5MG TAB	1
METHYLPHENIDATE ER 18MG TAB	1

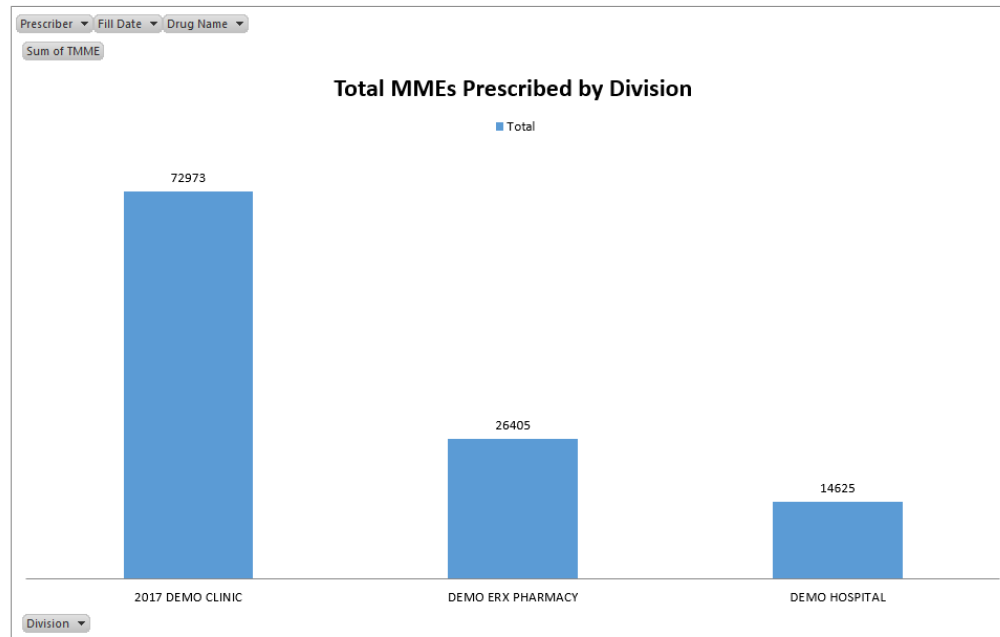


Total Morphine Milligram Equivalents (TMME) by Division

Prescriber	(All)	
Fill Date	(All)	
Drug Name	(All)	
Row Labels		
	Sum of TMME	
2017 DEMO CLINIC	72973	
DEMO ERX PHARMACY	26405	
DEMO HOSPITAL	14625	
Grand Total	114003	

Please note: To fully understand the logic used to get the numbers on this tab and all others in this RRIP'd report, please familiarize yourself with the information presented in the grey "Definitions and Explanations" tab in the main RRIP workbook.

This pivot chart displays the total morphine milligram equivalents (MME) prescribed during timeframe of the original report (CSM and ERxT Import). It's possible a smaller division may appear as a blank if no narcotic controlled substances were prescribed there during the report period. The drop-down filters can be used to further filter the results. Additionally if you have the chart selected, you will notice 4 boxes in the bottom right section of the screen labeled "Report Filter", "Legend Fields (series)", "Axis Fields (Categories)", and "Values". If you drag the "Drug Name" from the "Report Filter" box down to below "Division" in the "Axis Fields (Categories)", you will then be able to see the average Total MME for each drug by division. Lastly, as with all pivot tables, you can double-click the totals in the pivot table to drilldown to the data that created that number.



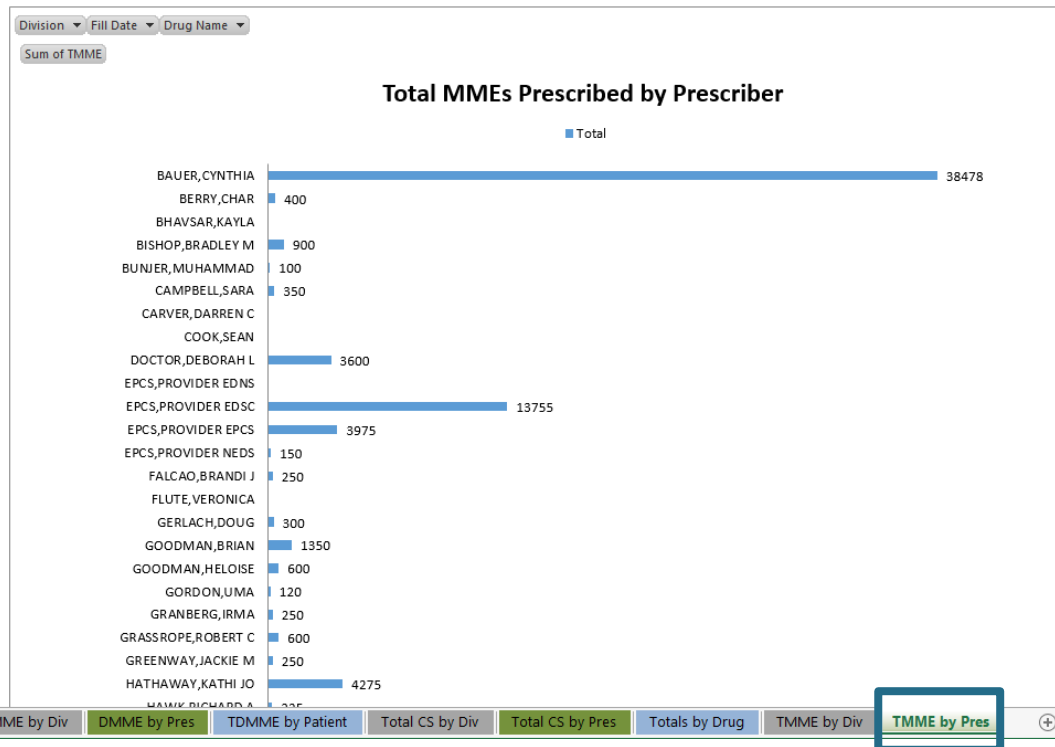
TMME by Provider

Division	(All)	▼
Fill Date	(All)	▼
Drug Name	(All)	▼

Row Labels Sum of TMME

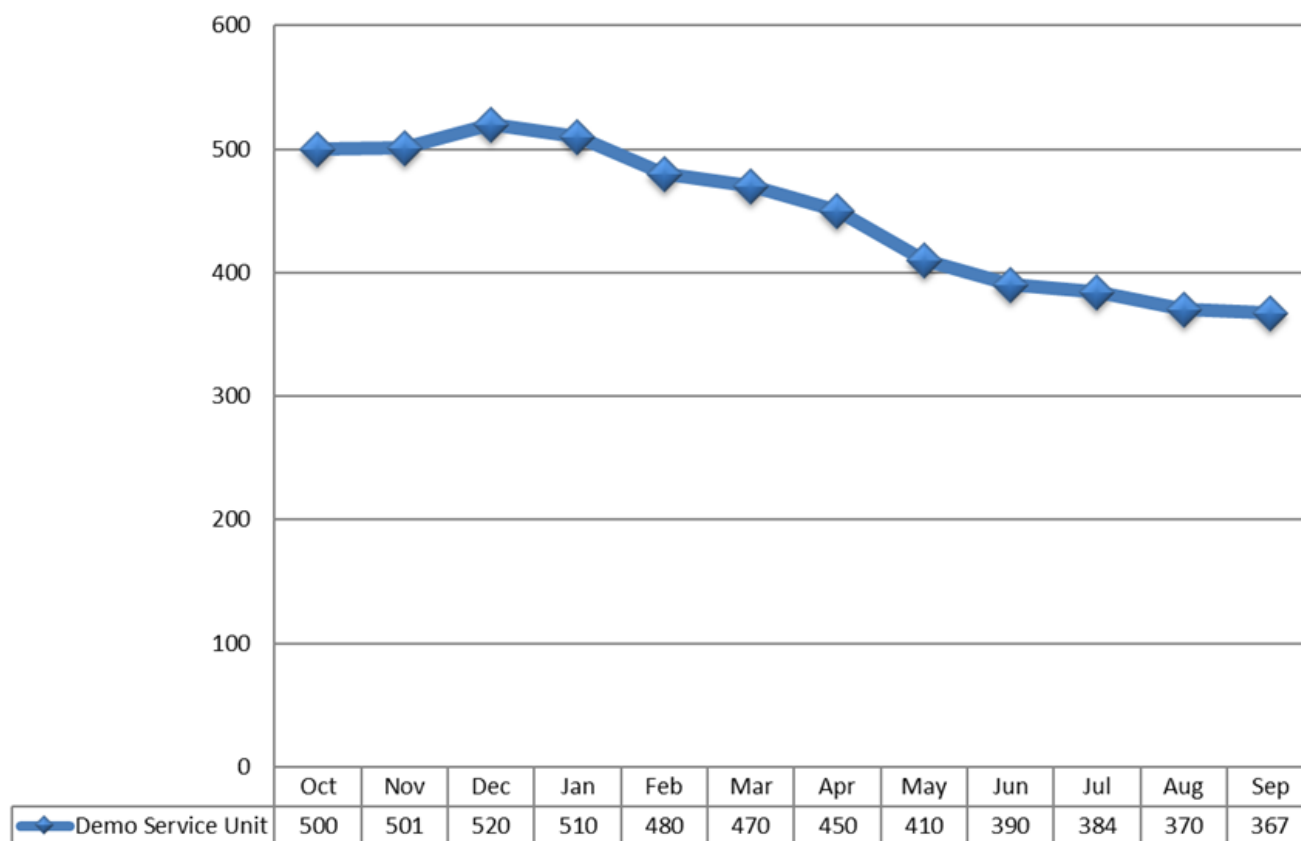
BAUER, CYNTHIA	38478
BERRY, CHAR	400
BHAVSAR, KAYLA	
BISHOP, BRADLEY M	900
BUNJER, MUHAMMAD	100
CAMPBELL, SARA	350
CARVER, DARREN C	
COOK, SEAN	
DOCTOR, DEBORAH L	3600
EPCS, PROVIDER EDNS	
EPCS, PROVIDER EDCS	13755
EPCS, PROVIDER EPCS	3975
EPCS, PROVIDER NEDS	150
FALCAO, BRANDI J	250
FLUTE, VERONICA	
GERLACH, DOUG	300
GOODMAN, BRIAN	1350
GOODMAN, HELOISE	600
GORDON, UMA	120
GRANBERG, IRMA	250
GRASSROPE, ROBERT C	600
GREENWAY, JACKIE M	250
HATHAWAY, KATHI JO	4275
HAWK, RICHARD A	225
HOHN, SHAHID	
HUCKINS, JUANITA	
JAIN, BRIDGET	100
JOHNSON, CODY R	16955
JONES, GWEN L GLS	2455
KOSAR, ALAULDEEN HA	140
LEHMEN, PAMELA A	100
LUEKING, DAVID	150
LUTTER, STUART G	250
LYAAA, DR	550
MARTINE, KATIE	200

This pivot chart displays the total morphine milligram equivalents (MME) prescribed during the timeframe of the original report (CSM and ERxT Import). Some prescribers may appear as blanks if they prescribed controlled substances, but not narcotics during the report period. The drop-down filters can be used to further filter the results. Additionally if you have the chart selected, you will notice 4 boxes in the bottom right section of the screen labeled "Report Filter", "Legend Fields (series)", "Axis Fields (Categories)", and "Values". If you drag the "Drug Name" from the "Report Filter" box down to below "Prescriber" in the "Axis Fields (Categories)", you will then be able to see the average Total MME of each drug each prescriber prescribed. Note: If there is a long list of prescribers, you may want to filter your prescribers down to just a handful before moving the "Drug Name" to the "Axis Fields (Categories)" box. Lastly, as with all pivot tables, you can double-click the totals in the pivot table to drilldown to the data that created that number.



Monthly Trend Reports

Total Opioid Script



Monthly Trend Reports

TMME by Division



Questions?

Support Team:

BEMRRIPRxSupportTeam@ihs.gov

Office Hours Schedule

- Session 1: First Time Set-Up Instructions
 - Recommended Participants: Rx leadership and informatics
- Session 2: Running reports and using data
- Weekly RRIP Office Hours on Thursday mornings:
1PM EST/12PM CST/11AM MST/10AM PST