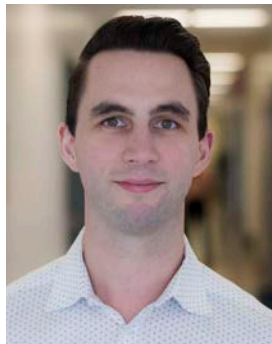




Best-Practices in
ORAL OPIOID AGONIST
THERAPY Collaborative



Profile EMR Queries for November 2017



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Health (VCH) Community

Medical Lead, BOOST Collaborative

EMR Queries

- Each team on Profile EMR should have at least one person with access to QI/queries environment so that queries can be run and reports created monthly
- Contact cole.stanley@vch.ca if you need to gain access for a team member

Profile EMR queries - Examples

?	BOOST 1 POF 304.0 Opioid Use Disorder
?	BOOST 1 POF 304.0 Opioid Use Disorder AltPOS
?	BOOST 1 POF baseline
?	BOOST 1 POF baseline AltPOS
?	BOOST 1.3N oOAT access
?	BOOST 1.6 self-reported number of ODs
?	BOOST 2.4 Retention on oOAT

First, remember...

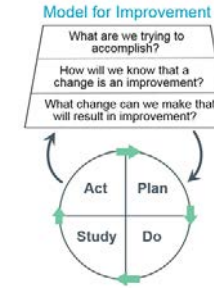
- The goal in QI work is *data-driven work through PDSA cycles*
- **This should be the number one priority**
- Collaborative-level measures will be easy to obtain if you these guidelines:
 - Use OUD form (goal – 100% of time)
 - Enter treatment course dates (only have to do this once per patient)
 - Get a reliable population of focus
 - Correct PC POS or Alt POS
 - Correct MRP
 - Inactivate charts and close PARIS referrals where appropriate
 - 304.0 Opioid Use Disorder in the Problem List



PDSA cycles and BOOST



Teams testing changes (PDSA-level measures)



Site-specific aims

Collaborative aims (Collaborative-level measures)

Collaborative outcomes

Profile EMR OUD visit form

Some important points:

- **Adding 304.0 to the Problem List**
- **Entering a “first ever OAT initiation” and “most recent start” date**
- **BOOST team members to promote form usage 100% of time**

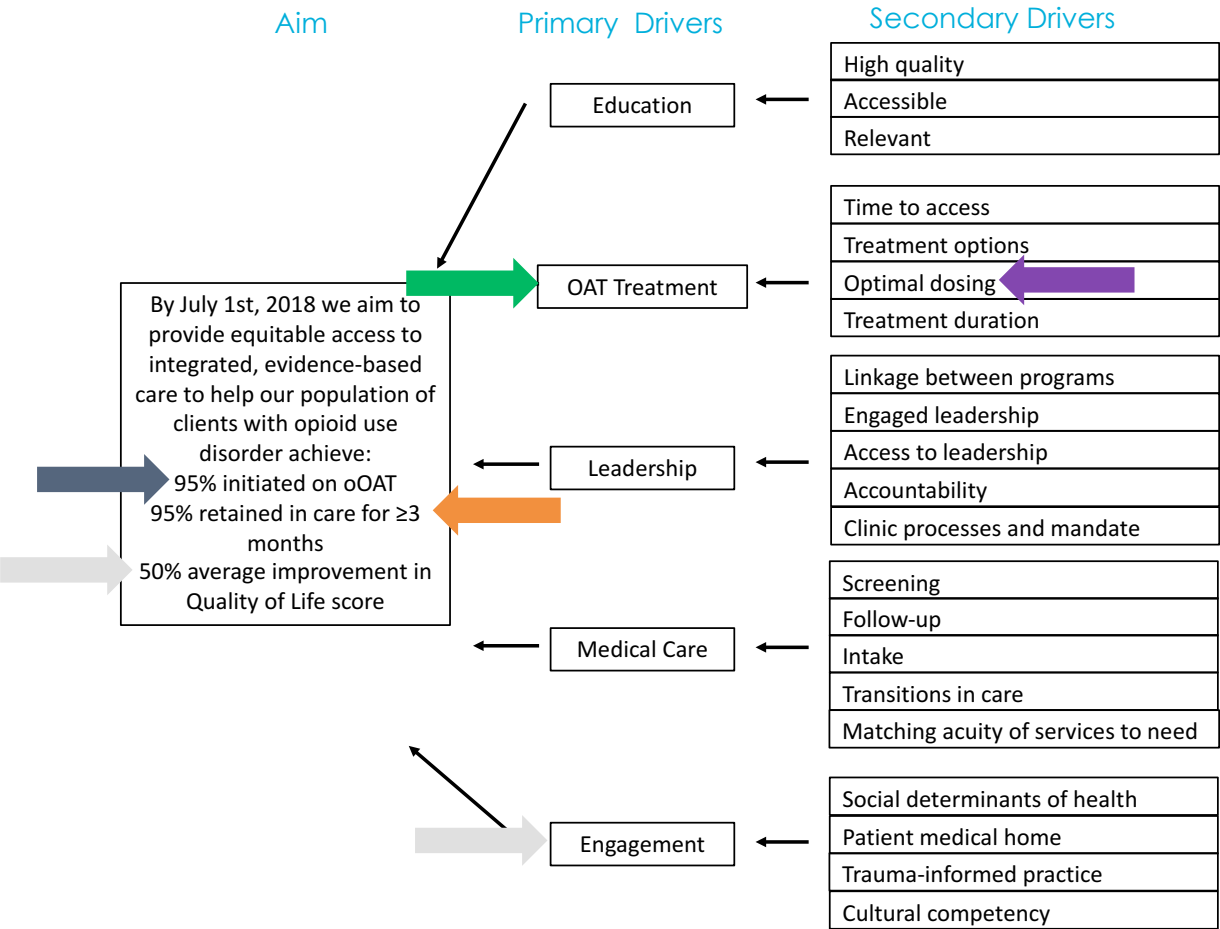
Profile EMR OUD Form How-To Videos

The OUD form on Profile EMR is now live! To help you to navigate the new form, we have created a series of brief How-to videos which are posted on our website here: <http://stophiv aids.ca/profile-emr-how-to-videos/>.

We have already received some great feedback from those of you using the form. Please continue to provide feedback through this brief online survey: <https://survey.cfenet.ubc.ca/hivcollaborative/index.php/538394?lang=en>

Measures to discuss

- Engagement (1.2)
- oOAT access (1.3)
- **Active oOAT (2.2)**
- **Optimal oOAT dosing (2.3)**
- **Retention on oOAT (2.4)**
- Quality of Life score (3.2)



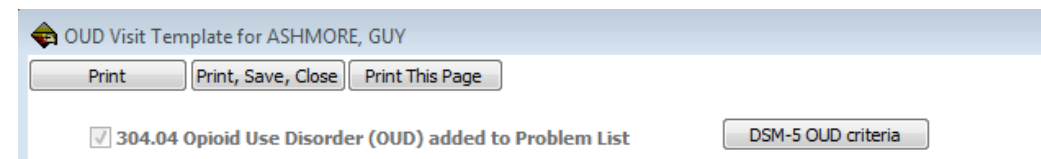
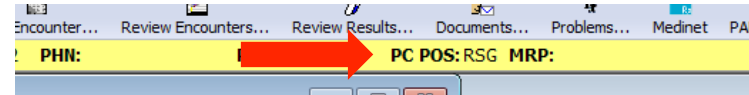
Collaborative Level Measures

These are the measures we would like you to report to us this month...

- Population of Focus – baseline
- Population of Focus – 304.0 Opioid Use Disorder
- OAT access – Number of clients with first OAT initiation date entered on OUD form
- Rate of THN training
- Number of ODs in last 30d
- Retention (most recent OAT start date entered + active OAT prescription)
- Active OAT
 - Methadone
 - Suboxone
 - Kadian

Population of focus (POF)

- Data clean-up
 - Ensure POS and MRP are correct (PC POS or Alt POS)
 - For patients who are no longer to be followed
 - Inactivate charts
 - Close PARIS referrals
 - Remove MRP designation
- Ensure 304.0 Opioid Use Disorder added to Problem List
 - Once added for all, will simplify query and give more accurate POF list (BOOST 1 POF 304.0)



Example – Raven Song Primary Care

These are the measures we would like you to report to us this month...

- Population of Focus – baseline
- Population of Focus – 304.0 Opioid Use Disorder

The screenshot shows a software interface with a list of BOOST measures on the left and a 'Find Objects Parameters' dialog box on the right.

BOOST Measures List:

- BOOST 1 POF 304.0 Opioid Use Disorder
- BOOST 1 POF 304.0 Opioid Use Disorder all sites
- BOOST 1 POF 304.0 Opioid Use Disorder AltPOS
- BOOST 1 POF 304.0 Opioid Use Disorder AltPOS appt phone call
- BOOST 1 POF baseline
- BOOST 1 POF baseline all sites
- BOOST 1 POF baseline AltPOS

Find Objects Parameters Dialog Box:

The dialog box contains the following text: "The find object query 'BOOST 1 POF 304.0 Opioid Use Disorder' requires you to supply some values for it to be run. Type these in the lines below then press OK. You can use A ... B for a range, 'today' for a date of today, 'today - 7d' for seven days before today and so on."

Column - Condition	Condition Value	Ask Value	Preview
Client - POS - Code is equal to	:POS		

Buttons: OK, Cancel

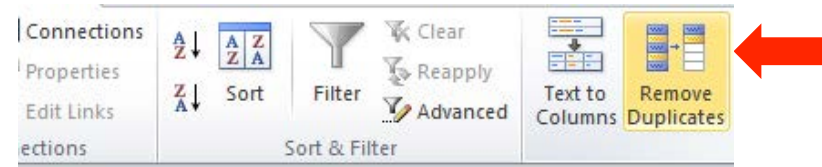
Example – Raven Song Primary Care

These are the measures we would like you to report to us this month...

- Population of Focus – baseline = 434
- Population of Focus – 304.0 Opioid Use Disorder = 282
- Remember to remove duplicates from baseline query results (see next slides)

Removing duplicates

- Run POF baseline query
- Delete first row of spreadsheet
- Save file
 - Suggest naming “Date – POS – - BOOST query name”
 - Example: 2017-10-11 RSG BOOST
- Select all of your data (can press Ctrl+'a')
- Remove duplicate clients...



The screenshot shows the Microsoft Excel ribbon with the 'Data' tab selected. The 'Remove Duplicates' button is highlighted with a red arrow. Below the ribbon, a table of data is visible with columns F through K. The table contains the following data:

FileNum	Date Last Se	User3: Alternate POS			
73744	9/18/2017				
92828	4/28/2017				
19450	1/25/2017				
102446	10/7/2017	IYC			
106388	7/19/2017				
113976	12/6/2016				
12038	10/3/2017	RSG			
12395	10/2/2017				
84689	10/5/2017	PST,RAS			
114044	7/28/2017				
116102	5/8/2017				

Removing duplicates

- Remove duplicate FileNum in Excel (each client has unique FileNum)

The screenshot shows an Excel spreadsheet with columns F through O. The data in columns F and G is as follows:

FileNum	Date Last Se	User3: Alternate POS
73744	9/18/2017	
92828	4/28/2017	
19450	1/25/2017	
102446	10/7/2017	IYC
106388	7/19/2017	
113976	12/6/2016	
12038	10/3/2017	RSG
12395	10/2/2017	
84689	10/5/2017	PST
114044	7/28/2017	
116102	5/8/2017	
117561	10/4/2017	SAS
120641	10/5/2017	RAS
123102	10/4/2017	IYC
19324	9/30/2017	EHC
21091	9/25/2017	PEN
211	9/5/2017	RAS
2396	10/5/2017	EHC
89267	10/7/2017	POF
26306	8/25/2017	
59204	10/8/2017	
59514	9/22/2017	RSG
7429	9/21/2017	
7705	10/6/2017	
7903	10/7/2017	MM
70605	10/4/2017	
91987	9/20/2017	POF
105917	10/3/2017	
107275	9/27/2017	RSG
124978	9/26/2017	
11616	10/4/2017	
11668	10/3/2017	
11987	9/29/2017	

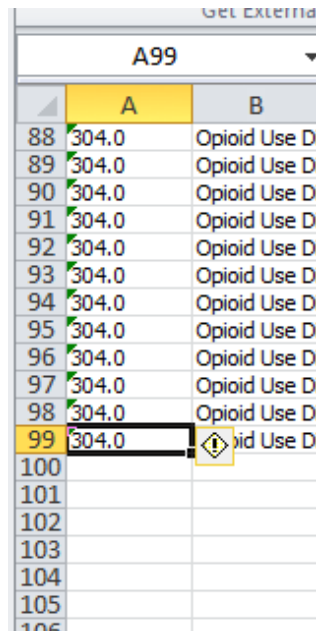
The 'Remove Duplicates' dialog box is open, showing the following options:

- My data has headers
- Code
- Dx Description
- First Name
- Last Name
- Preferred Name
- FileNum
- Date Last Seen
- User3: Alternate POS

Red arrows point to the 'My data has headers' checkbox and the 'FileNum' checkbox in the 'Columns' list.

Removing duplicates

- Scroll down to the last row
- Your POF is the last column number minus 1 (subtract the header row)



	A	B
88	304.0	Opioid Use D
89	304.0	Opioid Use D
90	304.0	Opioid Use D
91	304.0	Opioid Use D
92	304.0	Opioid Use D
93	304.0	Opioid Use D
94	304.0	Opioid Use D
95	304.0	Opioid Use D
96	304.0	Opioid Use D
97	304.0	Opioid Use D
98	304.0	Opioid Use D
99	304.0	Opioid Use D
100		
101		
102		
103		
104		
105		
106		

Example baseline POF = 99-1 = 98

Sorting your data

The screenshot shows the Microsoft Excel interface with the Data tab selected. The ribbon includes options like From FileMaker, From HTML, From Text, New Database Query, Refresh All, Connections, Properties, Edit Links, Sort, Filter, Advanced, Text to Columns, Remove Duplicates, Data Validation, Consolidate, What-If Analysis, Group, and Unhide. An Office Update notification is visible below the ribbon. The active cell is A2, containing the formula =fgh. The spreadsheet data is as follows:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Header 1	Header 2	Header 3												
2	fgh	s	5												
3	r	a	45												
4	th	r	56456												
5	fsrhr	g	4												
6	gdfgd	r	3												

The Sort dialog box is open, showing the following configuration:

- My list has headers:
- Sort On: Values
- Order: A to Z

Buttons at the bottom of the dialog include +, -, Copy, Options..., Cancel, and OK.

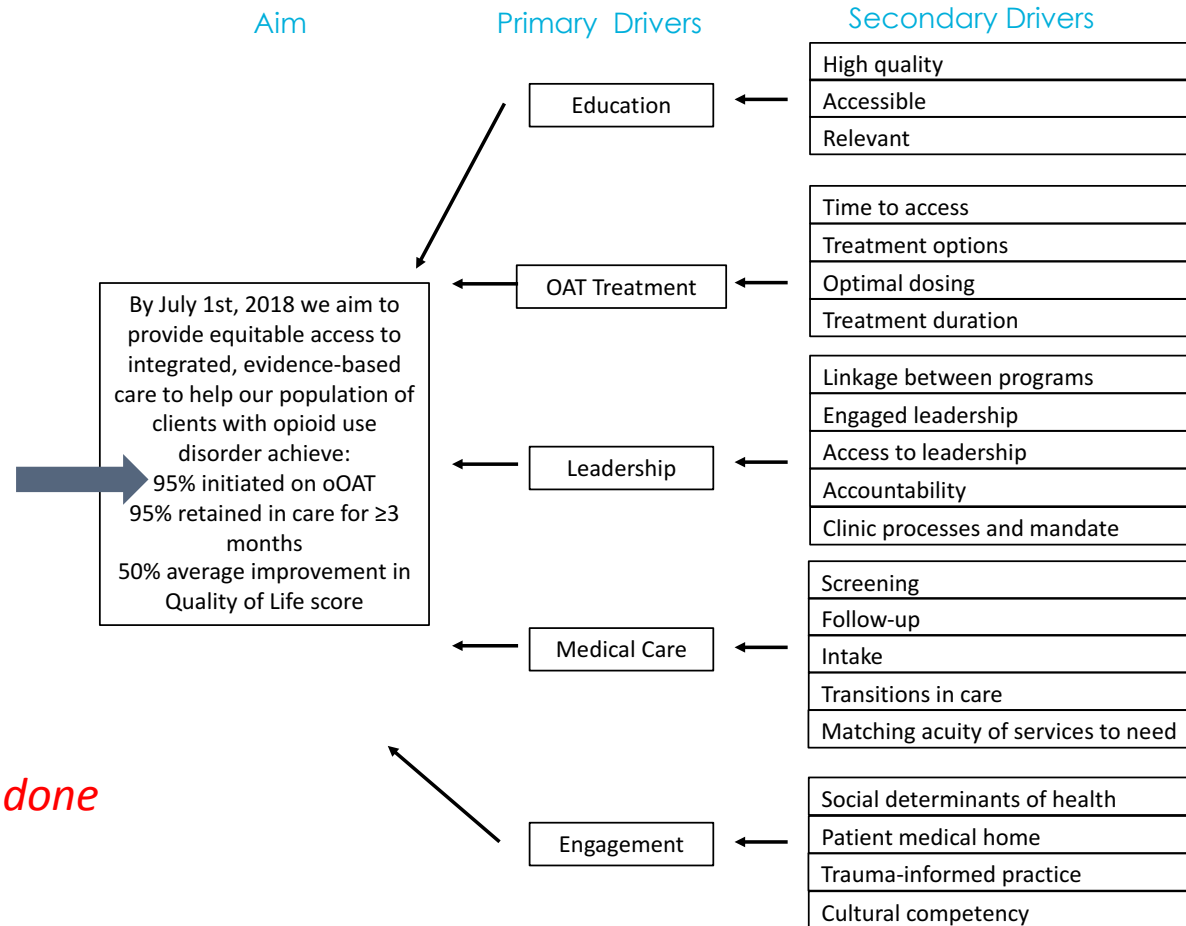
Example – Raven Song Primary Care

These are the measures we would like you to report to us this month...

- OAT access – Number of clients with first OAT initiation date entered on OUD form

EMR Queries – Example for demonstration

- oOAT access (1.3)



Assuming data clean-up is done

- *POS is accurate*
- *304.0 is in problem list*
- *First ever OAT initiation date is entered*

EMR Queries – Example for demonstration

- **oOAT access (1.3)**

Numerator	Number of clients with a treatment initiation date entered in OUD form (notNull)
Denominator	POF
Calculation	$(\text{Numerator}/\text{Denominator}) \times 100\%$
Suggested goal	95%
Notes	Using the new OUD visit template, providers will fill in approximate first OAT initiation date if person has ever been on OAT. This can then be used to accurately identify all those who have accessed treatment. This differs from baseline data presented that was based on having an OAT prescription in the EMR in the past 12 months.
Profile EMR queries	BOOST 1.3N oOAT access

EMR Queries – Example for demonstration

- Now we need our numerator – run BOOST 1.3N oOAT

BOOST 1.3N oOAT access
BOOST 1.3N oOAT access AltPOS

Select							
Column	Name	Sort	Count	Sum	Avg	Min	Max
Form (Registered) - OUD Visit (Methadone, Suboxone, Kadian) LATEST - Client_ - FileNum	FileNum	None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Form (Registered) - OUD Visit (Methadone, Suboxone, Kadian) LATEST - Client_ - Name First Name	First Name	None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Form (Registered) - OUD Visit (Methadone, Suboxone, Kadian) LATEST - Client_ - Name Last Name	Last Name	None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Form (Registered) - OUD Visit (Methadone, Suboxone, Kadian) LATEST - Client_ - Name Preferred Name	Preferred N	None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Form (Registered) - OUD Visit (Methadone, Suboxone, Kadian) LATEST - Client_ - Usual Doctor - Code	Code	None	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Where			
Column	Name	Condition	Value
Form (Registered) - OUD Visit (Methadone, Suboxone, Kadian) LATEST - Client_ - POS - Code	Code	is equal to	:POS
and	Form (Registered) - OUD Visit (Methadone, Suboxone, Kadian) LATEST - Client_ - Status	is equal to	Active
and	Form (Registered) - OUD Visit (Methadone, Suboxone, Kadian) LATEST - OAT initiation date - Value	is not null	

Example – Raven Song Primary Care

These are the measures we would like you to report to us this month...

- OAT access – Number of clients with first OAT initiation date entered on OUD form = 97
- Note that date is not entered on most forms, so this measure is not yet accurate
- Goal for subsequent months – make sure date entered for all clients (PDSA cycles)

Example – Raven Song Primary Care

These are the measures we would like you to report to us this month...

- Rate of THN training = 106 documented
- Number of ODs in last 30d = 4 out of 96 with data entered

BOOST 1.5 rate of THN training
BOOST 1.5 rate of THN training AltPOS
BOOST 1.6 self-reported number of ODs
BOOST 1.6 self-reported number of ODs AltPOS

Example – Raven Song Primary Care

These are the measures we would like you to report to us this month...

- Retention (most recent OAT start date entered + active OAT prescription) = 98 clients with most recent start date entered
- Need to cross-match with lists of clients with Active OAT
- Retention is then date of QI Refresh (Nov 9) minus the most recent OAT start date for these clients

BOOST 2.4 Retention on oOAT
BOOST 2.4 Retention on oOAT AltPOS

Example – Raven Song Primary Care

These are the measures we would like you to report to us this month...

- **IMPORTANT NOTE: These queries take 5-10min to run**
- Active OAT
 - Methadone = 102 clients (64 on 60mg or higher)
 - Suboxone = 28 clients (12 on 16mg or higher)
 - Kadian – 14 clients
- All active duplicate rx (no standard daily dosing info though)
 - Can see rx made not using form
 - Suboxone = 19 clients
 - Kadian = 1 client

- BOOST 2.2N Active oOAT Methadone
- BOOST 2.2N Active oOAT Methadone all sites
- BOOST 2.2N Active oOAT Methadone AltPOS
- BOOST 2.2N Active oOAT Suboxone and Kadian
- BOOST 2.2N Active oOAT Suboxone and Kadian AltPOS
- BOOST 2.4 Retention on oOAT
- BOOST 2.4 Retention on oOAT AltPOS
- BOOST All Active Duplicates
- BOOST All Active Duplicates AltPOS

Excel Reporting Tool

- Enter these values into the Excel spreadsheet

6	Indicators	
7		
8		
9	Population of Focus (POF)	
10	Population of Focus (POF)	
11	All clients seen within the last year with 304.0 in the Problem List	98
12		
13	Required Measures	
14		
15	1.2 Engagement	
16	Teams will determine their definition of "engagement" and/or "lost to care" based on their client population and program. For example, a team can define engaged in care as all clients with at least two care visits (with MD, NP, RN, etc.) in the last 12 months.	0
17	1.3 oOAT Access	
18	Numerator - Number of clients who have accessed oOAT at any time in the past (based on treatment initiation date entry on OUD form)	37

Excel Reporting Tool

- The outcome measure will be calculated



- The Run Chart will automatically fill in

