



Pennsylvania Perinatal Quality Collaborative

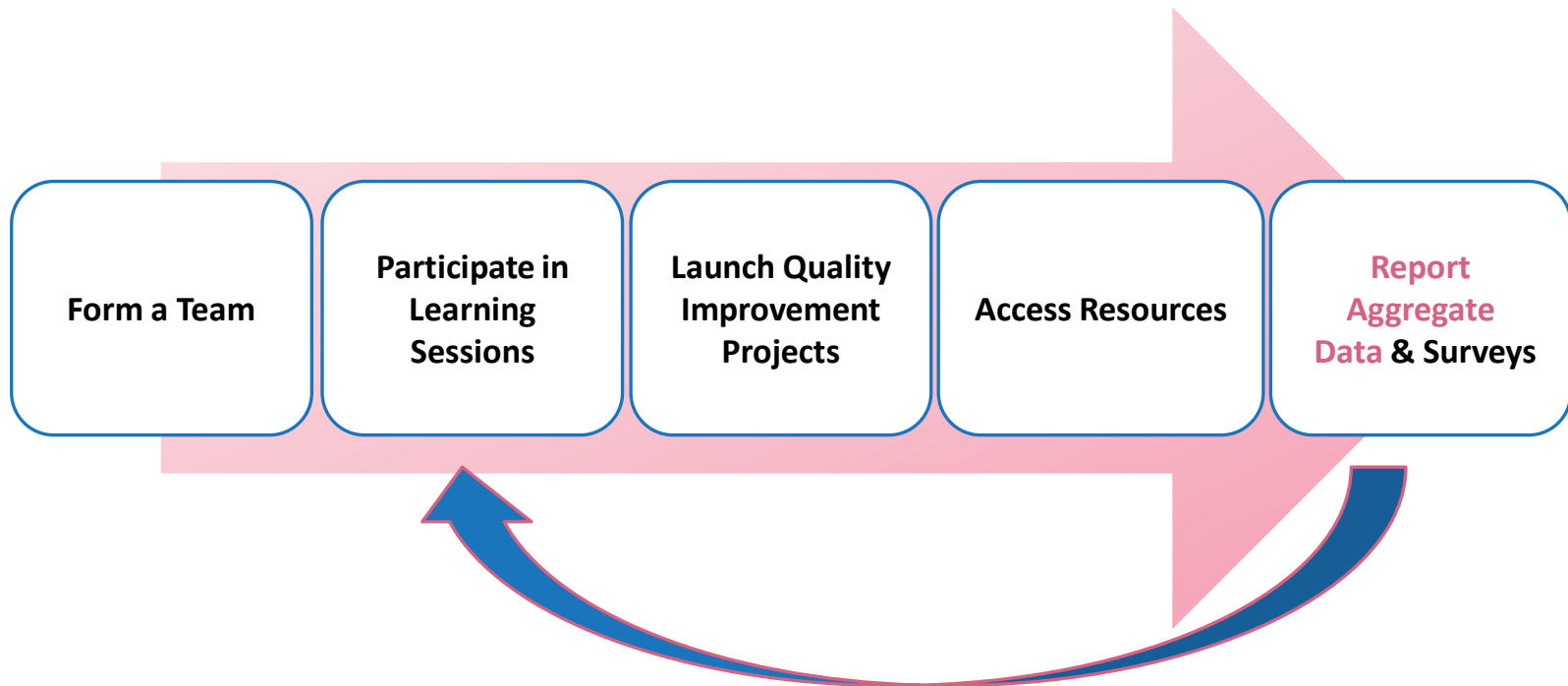
Best Practices for Data Collection and Reporting of the PA PQC's
Maternal OUD, NAS, and Maternal Mortality Focus Areas

August 12, 2020

Agenda

- 1. Introductions & Role of Data Collection and Reporting – Robert Ferguson, MPH, Chief Policy Officer, Jewish Healthcare Foundation (JHF)**
- 2. Best Practices on Data Collection and Reporting including Peer-to-Peer Discussion – Karena Moran, PhD, Research and Quality Project Manager, Northeastern PA Perinatal Quality Collaborative, Geisinger Health System**
- 3. Wrap-Up & Next Steps – Pauline Taylor, Program Specialist, JHF**

How Today's Meeting Fits into the PA PQC Roadmap



And Your Coaches!



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Research and Quality
Project Manager



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PA PQC Data Collection and Reporting

August 12, 2020

PA PQC QI Collaborative Virtual Meeting

Karena M. Moran, PhD

Objectives

- Review PA PQC required metrics for OUD, NAS, and MM
- Review how to compile the “ask” for a monthly data report
- Discuss questions about metrics and barriers/challenges surrounding pulling data from EMR

QUD

Metric	Numerator (Out of the Denominator)	Denominator
Percentage of pregnant women screened for SUD with a validated screen (required)	Number of women screened for SUD with a validated screen at any time during the pregnancy (prenatal visits or hospital/delivery visits)	Number of women with a delivery in the month

- Monthly
- Every pt. is only counted once, no matter how many times they were screened throughout pregnancy and/or upon admission to L&D

OUD

Metric	Numerator (Out of the Denominator)	Denominator
Percentage of pregnant women diagnosed with OUD at any time of pregnancy (required)	Number of women with an OUD diagnosis at any time during pregnancy (prenatal visits or hospital/delivery visits)	Number of women with a delivery in the month

- Monthly
- ICD-10 codes: F11, O99.320, Z79.891
- Positive screening or toxicology for mother/newborn
- Chronic Rx opioid use during 3rd trimester for longer than 1 month

OUD

Metric	Numerator (Out of the Denominator)	Denominator
Percentage of pregnant and postpartum women diagnosed with OUD who <u>initiate</u> MAT (required)	Number who filled a prescription for or were administered or ordered <u>an</u> MAT medication (buprenorphine or methadone) for OUD at any time during or after the pregnancy	Number of women with a delivery and OUD diagnosis in the month

- Monthly
- Up to 30 days after birth
- Examine PDMP, SureScripts, etc.
- May require collaboration with organizations external to hospital

Questions about OUD metrics



Submitted question/comments:

- “Pharmacy data is difficult to come by and outpatient visits are not in the same system.”

NAS

Median hospital length of stay for newborns with NAS (Required)	Median number of hospital days from birth of newborns with NAS through discharge to home among newborns greater than 34 gestational weeks with NAS
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- Quarterly
- **Median Hospital LoS**
- “confirmed” and “probable” cases
- Enter based off discharge date
- If transferred, receiving hospital reports full LoS

Questions about NAS metric



MM

Metric	Numerator (Out of the Denominator)	Denominator
Severe Maternal Morbidity <i>(Required)</i>	Number of cases with any severe maternal morbidity (SMM) code	All mothers during their birth admission, excluding <u>ectopics</u> and miscarriages

- Quarterly (aggregated)
- Annually (by race/ethnicity)
- Based on delivery discharge date
- Exclude births that occurred outside of the hospital

MM

Metric	Numerator (Out of the Denominator)	Denominator
Severe Maternal Morbidity (excluding cases with only a transfusion code) <i>(Required)</i>	Number of cases with any non-transfusion SMM code	All mothers during their birth admission, excluding <u>ectopics</u> and miscarriages

- Quarterly (aggregated)
- Annually (by race/ethnicity)
- Based on delivery discharge date
- Exclude births that occurred outside of the hospital

Questions about MM metrics



Optional, prioritized metrics

- % newborns w/ NAS treated with non-pharm bundle
- % newborns w/ NAS receiving pharm treatment
- % of newborns w/ NAS were referred to appropriate follow-up at discharge

- % women w/ OUD receiving postpartum care
- % of pregnant or postpartum women w/ OUD and 90 & 180 day continuity on MAT

- Treatment of severe HTN within 1 hour
- 4th trimester contact

Submitted question/comments:

- Should we assess HTN crisis encounters or if a mother has multiple occurrences within the same encounter that meets the criteria of 2 persistent (twice within 15 minutes) new-onset severe HTN and requires treatment within 1 hour, would we only assess the first time the patient had two BPs meeting the criteria?
- The Hypertension metric is in development while we are trying to capture the timing of the intervention. We use different systems than our outpatient clinics, so postpartum and any outpatient visits are hard to capture.
- Any follow up visits will happen outside of the hospital system, only birth and LOS around the birth can be reported on these metrics.

Compiling the “Ask”: Data Dictionary

1. Indicate a time frame and inclusion/exclusion criteria to identify your population

Date Range	1/1/19 - 11/30/19
Inclusion Criteria (use AND and OR to separate criteria)	Females with at least one prenatal appointment or birth during the indicated time frame. Infants born during the indicated time frame.
Exclusion Criteria (use AND and OR to separate criteria) Opt Out patients HIV/AIDS diagnoses 042 Deceased Prisoners Current Clinical Trial Participant diagnoses V70.7	Males, females without a prenatal appointment or birth during time frame. Infants born before or after the indicated time frame.

- If your goal is to create a monthly report, we suggest adding each new month to the existing report.
 - E.g., next month the date range would be 1/1/19-12/31/19

2. Provide details about the pieces of information you need and where/how to find them

VARIABLE	DESCRIPTION	FORMAT	COMMENTS
SMM_all	All cases of SMM	yes/no	Use AIM file for all ICD-10 SMM codes
SMM_excl_transf	Excludes SMM cases with <i>only</i> transfusions	yes/no	Use AIM file for all ICD-10 SMM codes, exclude any case that <i>only</i> has a transfusion. The case would remain if it has an additional SMM code.
Delivery_date	Date of delivery	date	
Onset_HTN	Women with persistent (twice within 15mins) new-onset severe HTN (systolic ≥ 160 or diastolic ≥ 110)	yes/no	Will need to identify where within medical record BP readings can be found
HTN_Treatment	Cases with new-onset severe HTN (systolic ≥ 160 or diastolic ≥ 110) that received IV Labetalol, IV Hydralazine, or PO Nifedipine within one hour of second elevated BP reading	yes/no	Provide medication codes and/or order sets
Discharge_date	Date of mother's discharge from hospital	date	
4th_Tri_Contact	Patient received postpartum care contact within 3 weeks of discharge after delivery	yes/no	Provide codes and/or descriptions of what these appointments may be called. "Postpartum care" could be physician office visits, home health visits, nursing care, or telemedicine

Example of Maternal Morbidity metrics

3. Provide all relevant codes

Example code lists for OUD metrics

Variable Name	Code
OUD_Dx	F11
OUD_Dx	F11.1
OUD_Dx	F11.10
OUD_Dx	F11.11
OUD_Dx	F11.12
OUD_Dx	F11.120
OUD_Dx	F11.121
OUD_Dx	F11.122
OUD_Dx	F11.129
OUD_Dx	F11.14
OUD_Dx	F11.15
OUD_Dx	F11.150
OUD_Dx	F11.151
OUD_Dx	F11.159
OUD_Dx	F11.18
OUD_Dx	F11.181
OUD_Dx	F11.182
OUD_Dx	F11.188
OUD_Dx	F11.19
OUD_Dx	F11.2
OUD_Dx	F11.20
OUD_Dx	F11.21
OUD_Dx	F11.22
OUD_Dx	F11.220
OUD_Dx	F11.221
OUD_Dx	F11.222
OUD_Dx	F11.229
OUD_Dx	F11.23
OUD_Dx	F11.24
OUD_Dx	F11.25

MAT_Rx	MED91134	BUPRENORPHINE
MAT_Rx	MED40607	BUPRENORPHINE 10 MCG/HR TD PTWK
MAT_Rx	MED14325	BUPRENORPHINE 15 MCG/HR TD PTWK
MAT_Rx	MED6772	BUPRENORPHINE 20 MCG/HR TD PTWK
MAT_Rx	MED10098	BUPRENORPHINE 5 MCG/HR TD PTWK
MAT_Rx	MED92909	BUPRENORPHINE 7.5 MCG/HR TD PTWK
MAT_Rx	MED3337	BUTRANS 10 MCG/HR TD PTWK
MAT_Rx	MED78887	BUTRANS 15 MCG/HR TD PTWK
MAT_Rx	MED38084	BUTRANS 20 MCG/HR TD PTWK
MAT_Rx	MED11946	BUTRANS 5 MCG/HR TD PTWK
MAT_Rx	MED80151	BUTRANS 7.5 MCG/HR TD PTWK
MAT_Rx	MED94770	BUPRENEX 0.3 MG/ML IJ SOLN
MAT_Rx	MED36934	BUPRENORPHINE HCL (OPIOID PARTIAL AGONISTS)
MAT_Rx	MED8793	BUPRENORPHINE HCL 0.3 MG/ML IJ SOLN
MAT_Rx	MED50643	BUPRENORPHINE HCL 2 MG SL SUBL
MAT_Rx	MED44671	BUPRENORPHINE HCL 8 MG SL SUBL
MAT_Rx	MED72758	SUBUTEX 2 MG SL SUBL
MAT_Rx	MED91090	SUBUTEX 8 MG SL SUBL
MAT_Rx	MED68192	BUNAVAIL 2.1-0.3 MG BU FILM
MAT_Rx	MED89298	BUNAVAIL 4.2-0.7 MG BU FILM
MAT_Rx	MED53986	BUNAVAIL 6.3-1 MG BU FILM
MAT_Rx	MED55867	BUPRENORPHINE HCL-NALOXONE HCL
MAT_Rx	MED3164	BUPRENORPHINE HCL-NALOXONE HCL 1.4-0.36 MG SL SUBL
MAT_Rx	MED93021	BUPRENORPHINE HCL-NALOXONE HCL 12-3 MG SL FILM
MAT_Rx	MED19235	BUPRENORPHINE HCL-NALOXONE HCL 2.1-0.3 MG BU FILM
MAT_Rx	MED24459	BUPRENORPHINE HCL-NALOXONE HCL 2-0.5 MG SL FILM
MAT_Rx	MED65981	BUPRENORPHINE HCL-NALOXONE HCL 2-0.5 MG SL SUBL
MAT_Rx	MED40351	BUPRENORPHINE HCL-NALOXONE HCL 4.2-0.7 MG BU FILM
MAT_Rx	MED83806	BUPRENORPHINE HCL-NALOXONE HCL 4-1 MG SL FILM
MAT_Rx	MED95288	BUPRENORPHINE HCL-NALOXONE HCL 5.7-1.4 MG SL SUBL
MAT_Rx	MED44037	BUPRENORPHINE HCL-NALOXONE HCL 6.3-1 MG BU FILM
MAT_Rx	MED42239	BUPRENORPHINE HCL-NALOXONE HCL 8.6-2.1 MG SL SUBL
MAT_Rx	MED43930	BUPRENORPHINE HCL-NALOXONE HCL 8-2 MG SL FILM
MAT_Rx	MED65311	BUPRENORPHINE HCL-NALOXONE HCL 8-2 MG SL SUBL

Tips for Creating Your “Ask”

- Meet in person (virtually) with the person/team pulling the data
 - Include *everyone* with relevant expertise!
- Screen sharing - be able to show the person pulling data where to find specific metrics within the EMR
- Have example cases for each metric (e.g., a patient with only a transfusion, a patient with a transfusion and another morbidity)

Other Tips

- Standardize when data report is due to you
- Secure blocked time to review/analyze data and enter into PA PQC data portal every month
- Have internal data review as a standing agenda item for monthly team meetings

Other Questions





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Wrap-Up & Next Steps

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Upcoming Sessions

<https://www.whamglobal.org/member-content/register-for-sessions>

Date	Details
September 3 8:30am to 12:30pm	Learning Session via Zoom
October 14 11:00am to 12:00pm	QI Collaborative Virtual Meeting
December 16 8:30am to 4:00pm	Learning Session

Thank You!

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Frequently Asked Questions: https://www.whamglobal.org/images/PA_PQC_FAQ.pdf