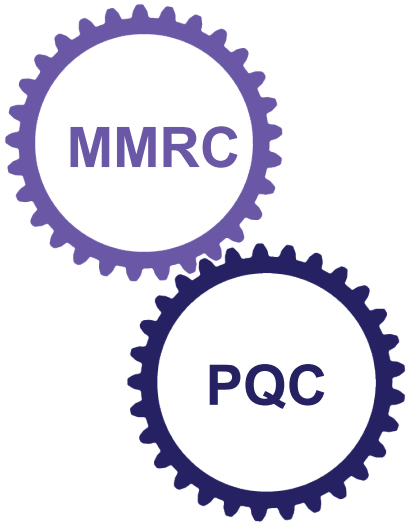

PA PQC

Pennsylvania Perinatal Quality Collaborative

MOMD Virtual Meeting

October 6, 2022

Agenda

1. **Introduction** – Sara Nelis, RN, Project Manager, Jewish Healthcare Foundation

2. **Presentations of Workflows and EHR Configurations for Perinatal Depression Screening and Follow-up Measures** –
   - Kerin Kohler, BSW and Elizabeth Huyett, MSN, RN, Tower Health Reading
   - Bridget Howard CNM, MSN and Sarah Henry, LCSW, Hospital of the University of Pennsylvania

3. **Q&A and Peer-to-Peer Learning Discussion** – Facilitated by Emily Magoc, RN-BSN, MPH, Quality Improvement Facilitator, Jewish Healthcare Foundation

4. **Wrap-Up & Next Steps** – Sara Nelis

MOMD Process Measures

Prenatal Depression Screening and Follow-up

1. Percent of patients **screened** with a validated depression screen during pregnancy among deliveries in a quarter.

2. Percent of deliveries in the quarter with a positive depression screen during pregnancy AND **received follow-up care within 30 days** from the date of the first positive screen.

Postpartum Depression Screening and Follow-up

3. Percent of patients **screened** with a validated depression screen during the *postpartum* period (84-day period)

4. Percent of patients who screened positive for depression during the 84-day postpartum period AND **received follow-up care within 30 days**

Thank you for submitting data!

PRENATAL SCREENING

Geisinger Medical Center, Danville

Jefferson Abbington

Tower Health

UPMC Magee

Wellspan Ephrata Hospital

Wellspan Gettysburg Hospital

Wellspan Good Samaritan Hospital

Wellspan Summit Health Chambersburg Hospital

WellspanYork Hospital

PRENATAL DEPRESSION FOLLOW-UP

Geisinger Medical Center, Danville

Penn Medicine Hospital of the University of Pennsylvania

UPMC Magee

Thank you for submitting data!

POSTPARTUM SCREENING

Geisinger Medical Center, Danville

Penn Medicine Hospital of the University of Pennsylvania

Tower Health

UPMC Magee

Wellspan Ephrata Hospital

Wellspan Gettysburg Hospital

Wellspan Good Samaritan Hospital

Wellspan Summit Health Chambersburg Hospital

WellspanYork Hospital

POSTPARTUM DEPRESSION FOLLOW-UP

Geisinger Medical Center, Danville

Penn Medicine Hospital of the University of Pennsylvania

UPMC Magee

Wellspan Ephrata Hospital

Wellspan Gettysburg Hospital

Wellspan Good Samaritan Hospital

Wellspan Summit Health Chambersburg Hospital

WellspanYork Hospital

Based on the data, in Q1 2022:

Prenatal

- **80%** of pregnant individuals screened for depression with a validated screen
- **64%** of pregnant individuals who screened positive received follow-up actions within 30 days

Postpartum

- **82%** of postpartum individuals screened for depression with a validated screen
- **71%** of postpartum individuals who screened positive received follow-up actions within 30 days

Tower Health – Reading Hospital

Elizabeth Huyett MSN, RN, CEN
Clinical Standards Program Manager – Maternal-Child Health
Kerin Kohler BSW
Social Worker – Women's Health Center

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Our Current Interdisciplinary Team

- Ambulatory:
  - Clinical representatives from each OBGYN office
    - Providers, RNs, and Social Workers
  - Population Health team
    - 2 Integrated Care Clinicians, 2 Care navigators
- Inpatient:
  - Clinical representatives from OB triage, LD, Mother-Baby, Pediatrics
  - Clinical representatives from the Emergency Dept

- Goal for this FY:
  - Add representatives from outside pediatric offices
  - Add representatives from community behavioral health partners specialized in Maternal Mood Disorders.
  - Re-establish representatives from our Behavioral Health facility

Gap Analysis

- Inconsistencies in screening processes among the ambulatory OB offices → Standardized the minimum expectation of once per trimester and again post partum.
- Identified clinical concerns related to the existing Pop Health guideline for addressing elevated PHQ 2/9 scores → worked with leadership from Pop Health to address these and ways to improve the program.
- Limitations with resources available to give to patients → continuing to identify resources for patients for where to seek support.
- Access to care → continue to navigate this within the community resources and internal behavioral health team
- Lack of reporting available → Built reports to capture baseline data on screening compliance per the PA PQC diagram.
- How do we connect with other community providers (OBGYN/Pediatric) that are serving our patients who deliver at Reading?

Current State

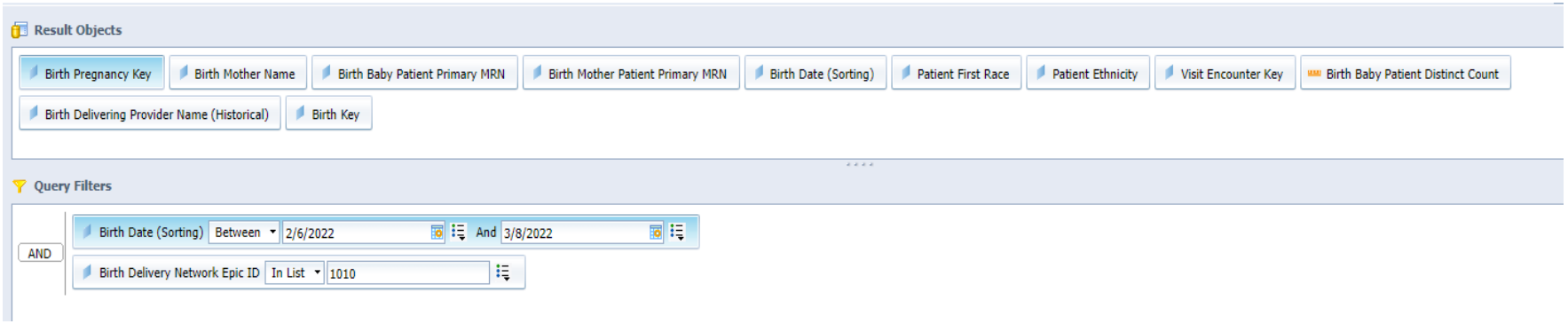
- Use EPIC EMR → PHQ and Edinburg are available for use
  - Organizational standard is for PHQ to be utilized (inpatient OB departments also utilize PHQ)
  - Current screenings offered verbally, on paper, or electronically
    - As a pre-assigned patient-entered questionnaire that can be completed upon check-in on an iPad or completed ahead of a visit or after a triage call via the patient's portal.
  - No reports in EPIC were available for use and required IT builds to make data retrievable.
    - Built our own given team member's access to reporting systems.
    - Need to do deeper analysis on the data now available to us

Reporting

- SAP Webi pulling from EPIC
  - Queries:
    - Births (Denominator)
    - Initial prenatal visit
    - Prenatal PHQ
    - Post-partum PHQ
    - Pediatric PHQ

Reporting: Denominator

- Currently have to build reports off the delivery data which starts tied to the baby
  - Pulling by birth date specific to time range we are looking for (quarterly for PA PQC)
  - Limited to just Reading Hospital births



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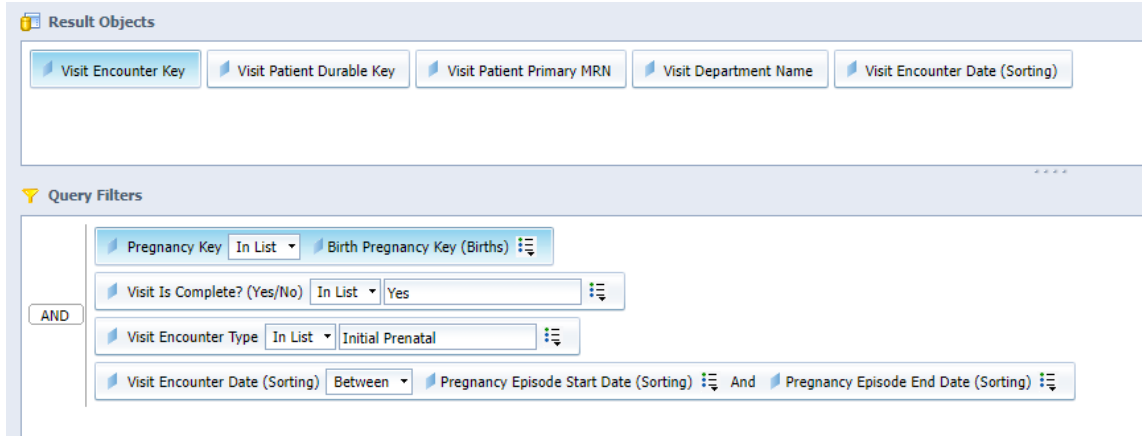
Reporting: IP Visit

- Query is based on the birth pregnancy key from our denominator query
- Looking for an “Initial Prenatal” visit type with a “completed” status between the Pregnancy Episode Start date and End Date.
- This provides us our visit date, department, and encounter key



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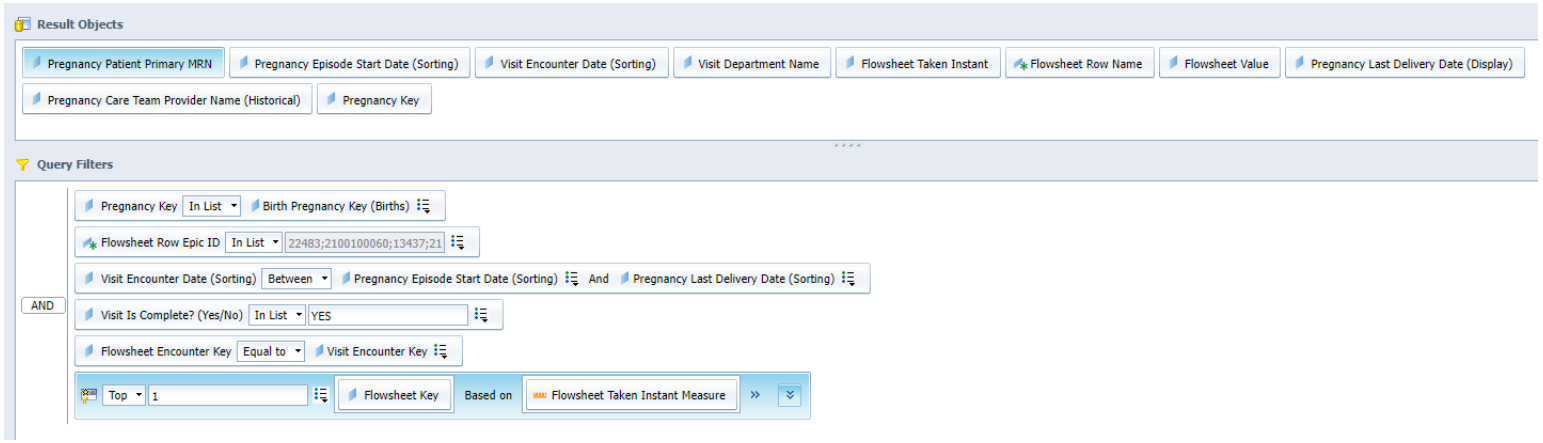
Reporting: Prenatal PHQ

- Query looks specifically for the flowsheet row IDs associated with the PHQ screenings that occurred between the pregnancy episode start date and delivery date
- This results the visit encounter department, date of screening, and result
- Currently ranked to show us only most recent result within that specified time frame



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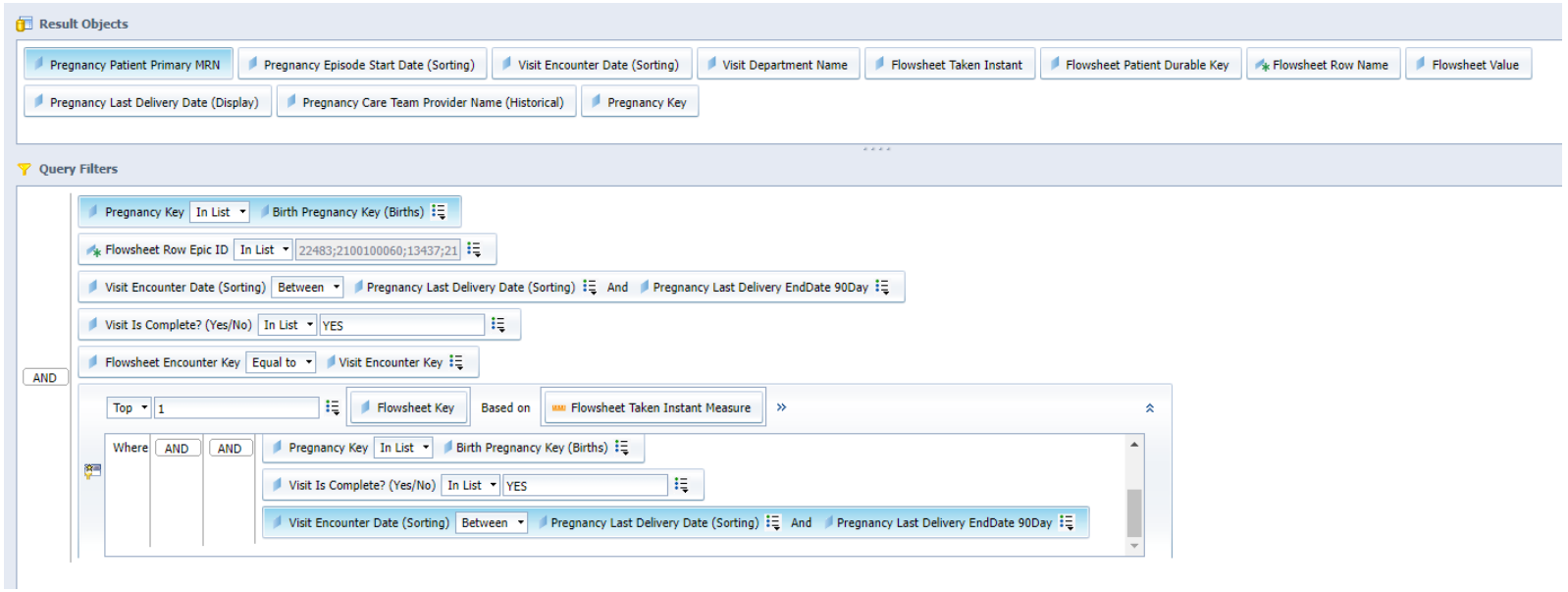
Reporting: PP PHQ

- Similar to Prenatal PHQ query except now looking at completed encounter dates between the birth date and 90 days post partum



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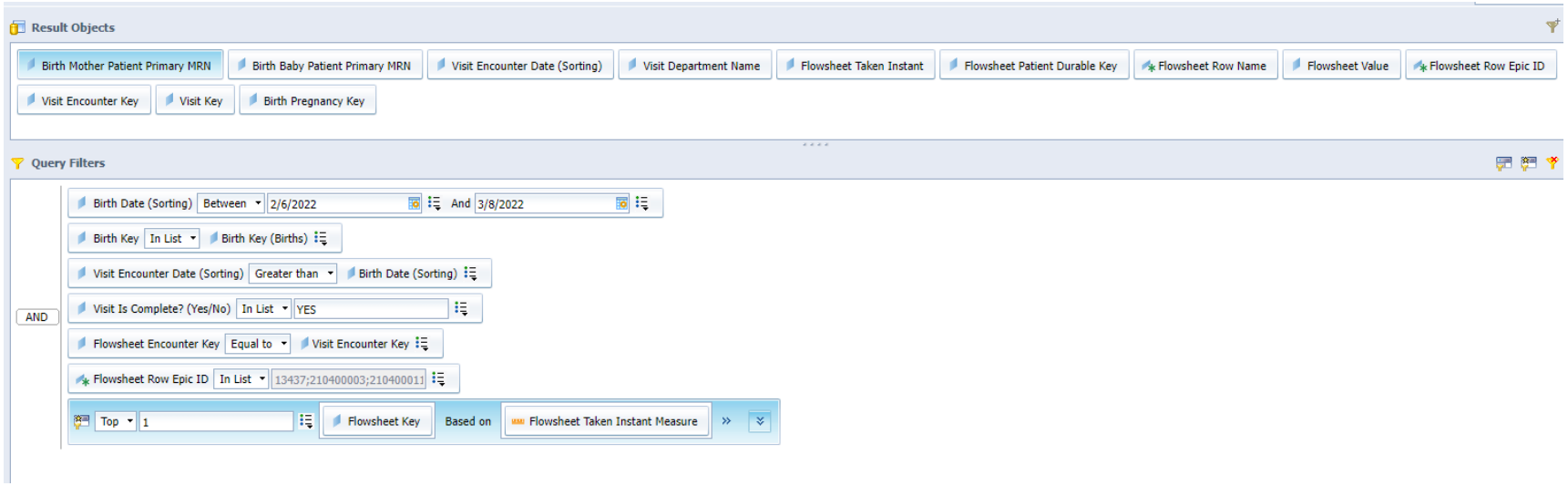
Reporting: Peds PHQ

- We have 2 pediatric offices associated with Reading Hospital and Tower Health Medical Group in addition to Family Medicine offices that see some of the infants.
- This query pulls from the baby's birth date and visit encounters after the birth date pulling a ranked result.



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Reporting: Results

- Each query has an individual result page.
- Variables were built to tie all the queries together to show prenatal, post partum, and pediatric results all associated to the mother.
- Includes race/ethnicity, date and times of screenings, and departments who performed the screening.

Reports: Results View

Patient First Race	Patient Ethnicity	Birth Date (Sorting)	Birth Delivering Provider Name (Historical)	Prenatal PHQ Date	Prenatal Null Pt Ct	Prenatal Visit Dept	PP PHQ Date	PP Null PT CT	PP Visit Dept	Peds PHQ Date	Peds Visit Department
Other	Hispanic or Latino	2022-02-06	FEHNEL, ERIC S	02/02/22 09:22 AM	0	OBGYN WYOMISSING THMG	03/21/22 10:49 AM	0	OBGYN WYOMISSING THMG		
Other	Hispanic or Latino	2022-02-06	BOSSERT, ANNA	01/06/22 10:57 AM	0	WHC WOMENS HEALTH CNTR	03/23/22 10:08 AM	0	WHC WOMENS HEALTH CNTR	08/11/22 09:00 AM	CHC CHILDREN'S HEALTH
Other	Hispanic or Latino	2022-02-06	FEHNEL, ERIC S	02/03/22 02:00 PM	0	WHC WOMENS HEALTH CNTR	03/22/22 10:13 AM	0	WHC WOMENS HEALTH CNTR	08/24/22 01:23 PM	CHC CHILDREN'S HEALTH
Black or African American	Not Hispanic or Latino	2022-02-06	BOSSERT, ANNA	02/03/22 08:46 AM	0	RAAW ALL ABOUT WOMEN	03/18/22 09:46 AM	0	RAAW ALL ABOUT WOMEN	08/16/22 09:02 AM	CHC CHILDREN'S HEALTH
White or Caucasian	Not Hispanic or Latino	2022-02-06	FEHNEL, ERIC S		1		03/22/22 09:26 AM	0	WHC WOMENS HEALTH CNTR	08/16/22 01:02 PM	CHC CHILDREN'S HEALTH
White or Caucasian	Not Hispanic or Latino	2022-02-06	BOSSERT, ANNA	02/01/22 08:47 AM	0	ACFW AD CARE WOMEN 380		1			
White or Caucasian	Not Hispanic or Latino	2022-02-06	DAVIDSON, SHANNON M	02/04/22 04:26 PM	0	ROBG READING OB/GYN	03/22/22 01:20 PM	0	ROBG READING OB/GYN		
Other	Hispanic or Latino	2022-02-07	CAMMARANO III, DOMINIC J	02/01/22 02:06 PM	0	WHC WOMENS HEALTH CNTR	03/22/22 03:10 PM	0	WHC WOMENS HEALTH CNTR		
White or Caucasian	Not Hispanic or Latino	2022-02-07	MUALLEM, NABIL S		1			1		08/12/22 11:45 AM	WPA WYOMISSING PEDS
White or Caucasian	Hispanic or Latino	2022-02-07	GANZEKAUFER, NICOLE MARI	02/03/22 02:14 PM	0	OBGYN WYOMISSING THMG		1			
White or Caucasian	Not Hispanic or Latino	2022-02-07	GANZEKAUFER, NICOLE MARI	02/02/22 10:26 AM	0	ROBG READING OB/GYN	03/23/22 10:51 AM	0	ROBG READING OB/GYN	08/22/22 03:25 PM	MORP TRHMG MORGANTOWN

Reporting: PA PQC Reports

CY21 vs CY22:

Quarter	Prenatal Patients	Prenatal Numerator	Prenatal PHQ Compliance	Total Births
1st Jan-Mar	712	588	82.58%	714
2nd Apr-Jun	774	623	80.49%	778
3rd Jul-Sep	837	722	86.26%	838
4th Oct-Dec	783	670	85.57%	795
CY Total	**3106**	**2603**	**83.81%**	**3125**

Quarter (84 DAYS PRIOR)	PP Patients	PP Numerator (including Peds)	PP PHQ Compliance	Total Births
1st Jan-Mar	717	649	90.52%	717
2nd Apr-Jun	739	661	89.45%	741
3rd Jul-Sep	791	700	88.50%	795
4th Oct-Dec	838	569	67.90%	856
CY Total	**3085**	**2579**	**83.60%**	**3109**

Quarter	Prenatal Patients	Prenatal Numerator	Prenatal PHQ Compliance	Total Births
1st Jan-Mar	764	666	87.17%	774
2nd Apr-Jun	757	653	86.26%	769
3rd Jul-Sep			#DIV/0!	
4th Oct-Dec			#DIV/0!	
CY Total	**1521**	**1319**	**86.72%**	**1543**

Quarter (84 DAYS PRIOR)	PP Patients	PP Numerator (including Peds)	PP PHQ Compliance	Total Births
1st Jan-Mar	755	605	80.13%	769
2nd Apr-Jun	769	615	79.97%	776
3rd Jul-Sep			#DIV/0!	
4th Oct-Dec			#DIV/0!	
CY Total	**1524**	**1220**	**80.05%**	**1545**

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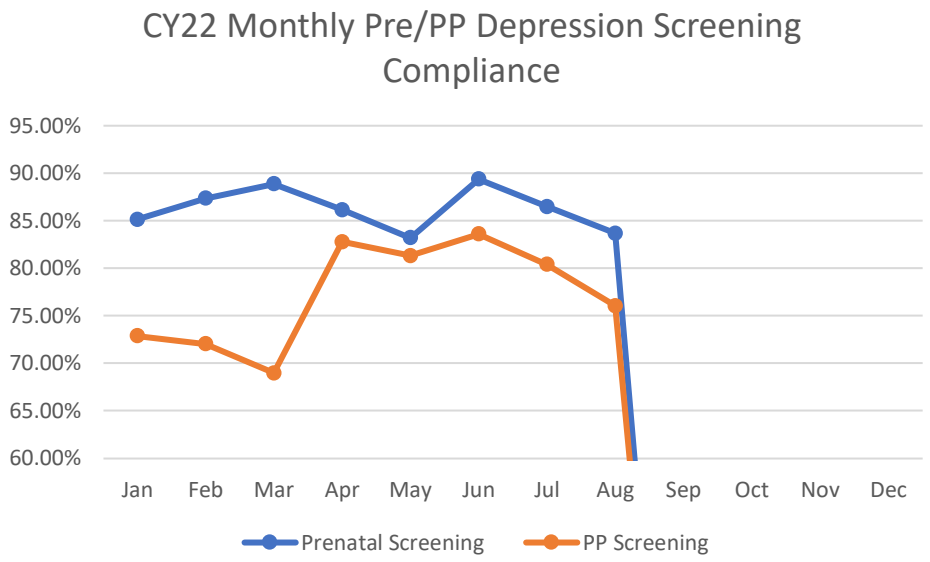
Reporting: Monthly Data

- Recently able to break down the quarterly data to a monthly view for our organization as a whole
- Future state: break this down by individual office so each team member can take back to their clinical teams to address



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Penn Medicine

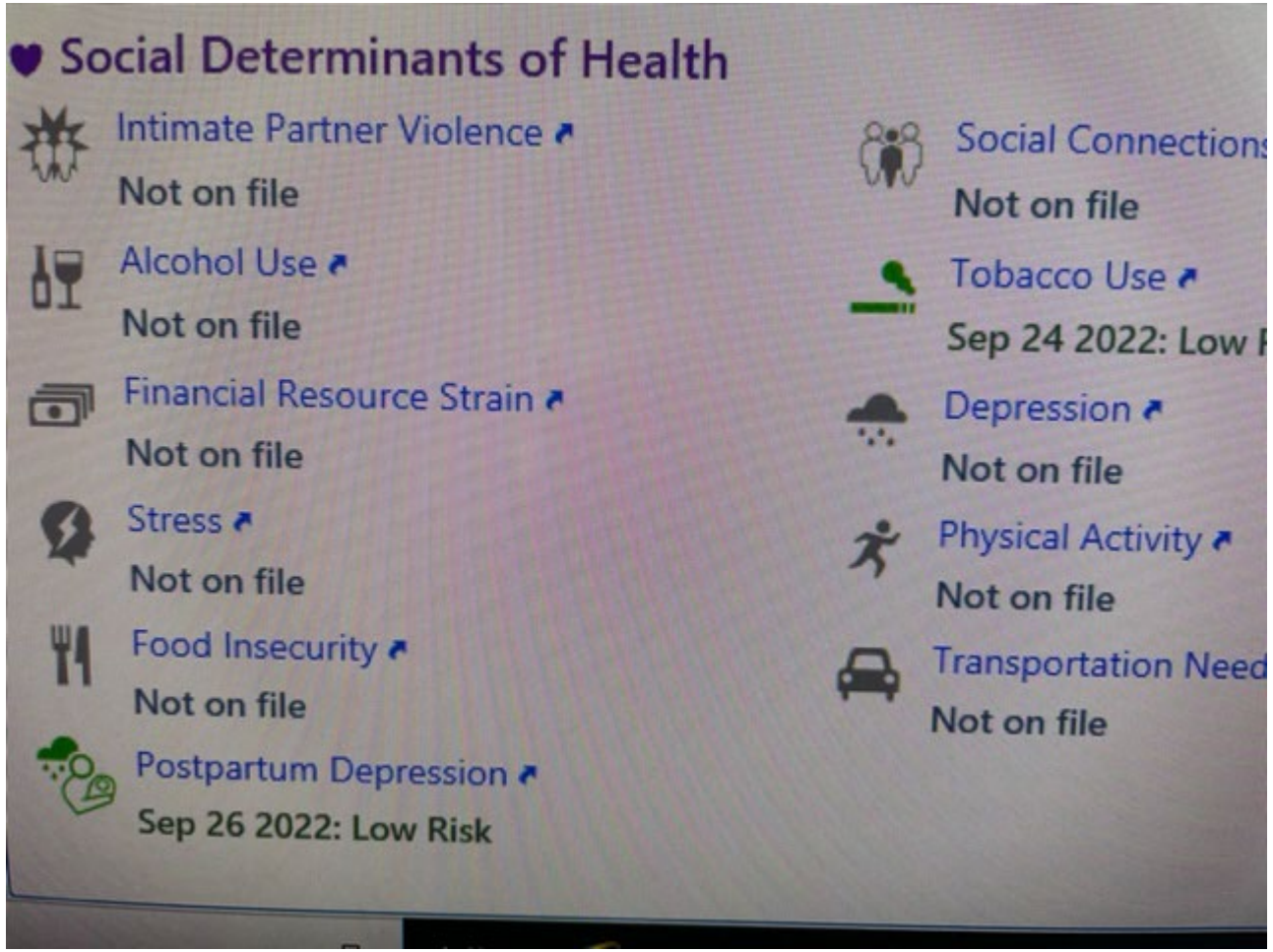
The Hospital of the University of Pennsylvania

Moving on Maternal Depression Committee: Report to the PA-PQC

Bridget Howard, CNM, MSN
Sarah Henry, LCSW

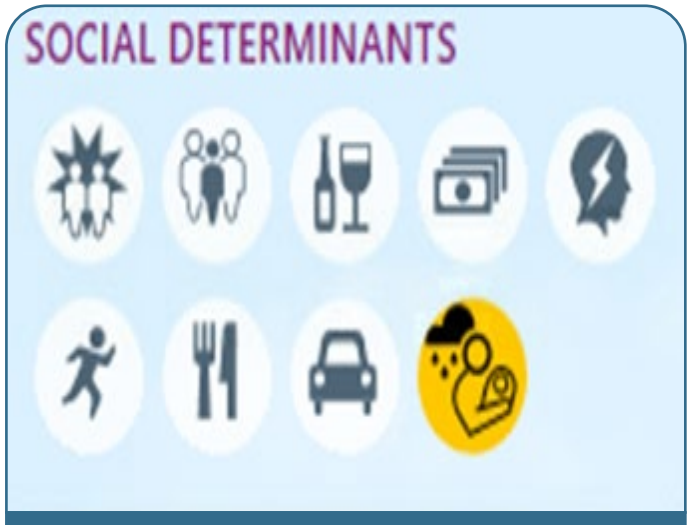
Special thanks to our other Social Workers who could not join us today:
Emma Kirshblum, LCSW
Latesha Kearney-Beauford, LCSW

EHR Social Determinants of Health



Social Determinants of Health

High Risk



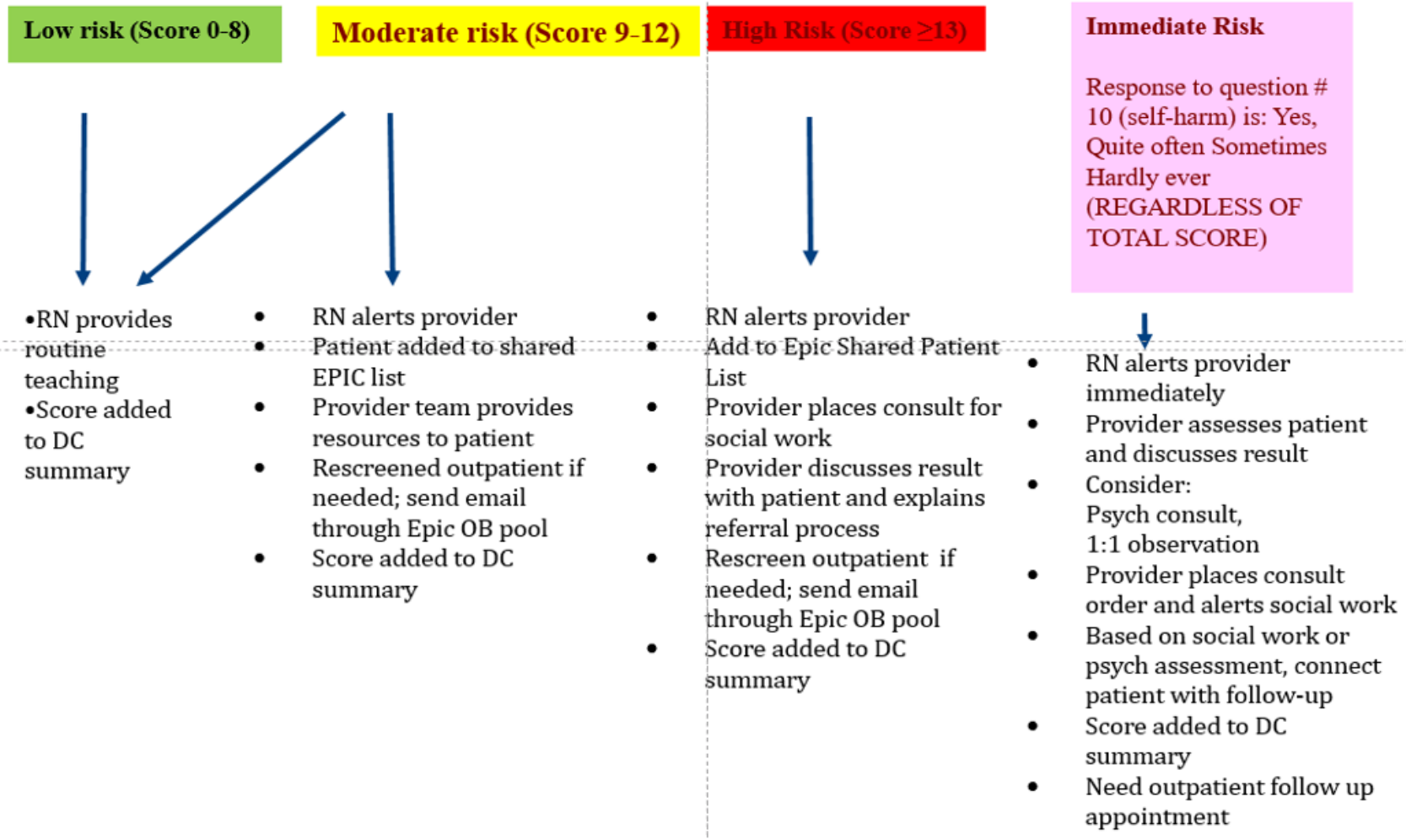
Moderate Risk

- No PPD screening icon under social determinant area

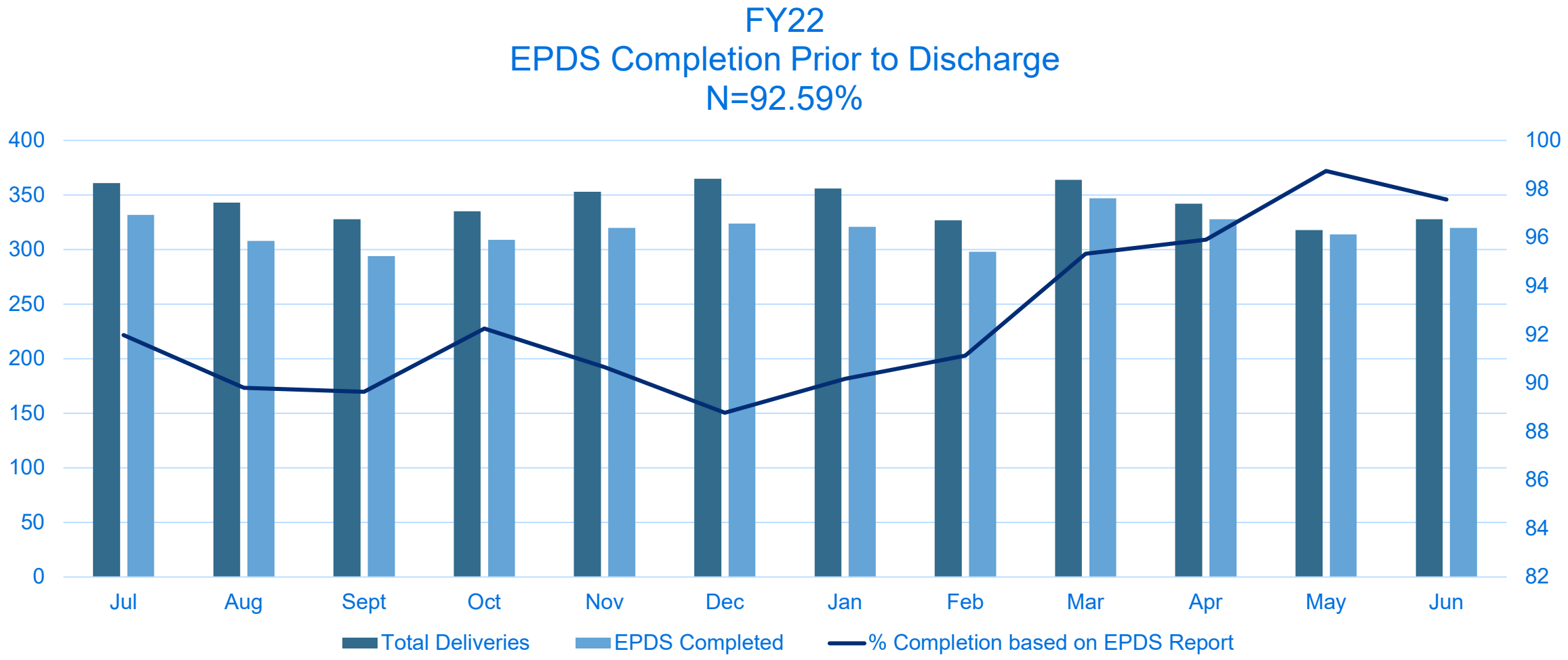
*please ensure EPDS was completed; * is this an opportunity to change to having an icon in green?

Low Risk

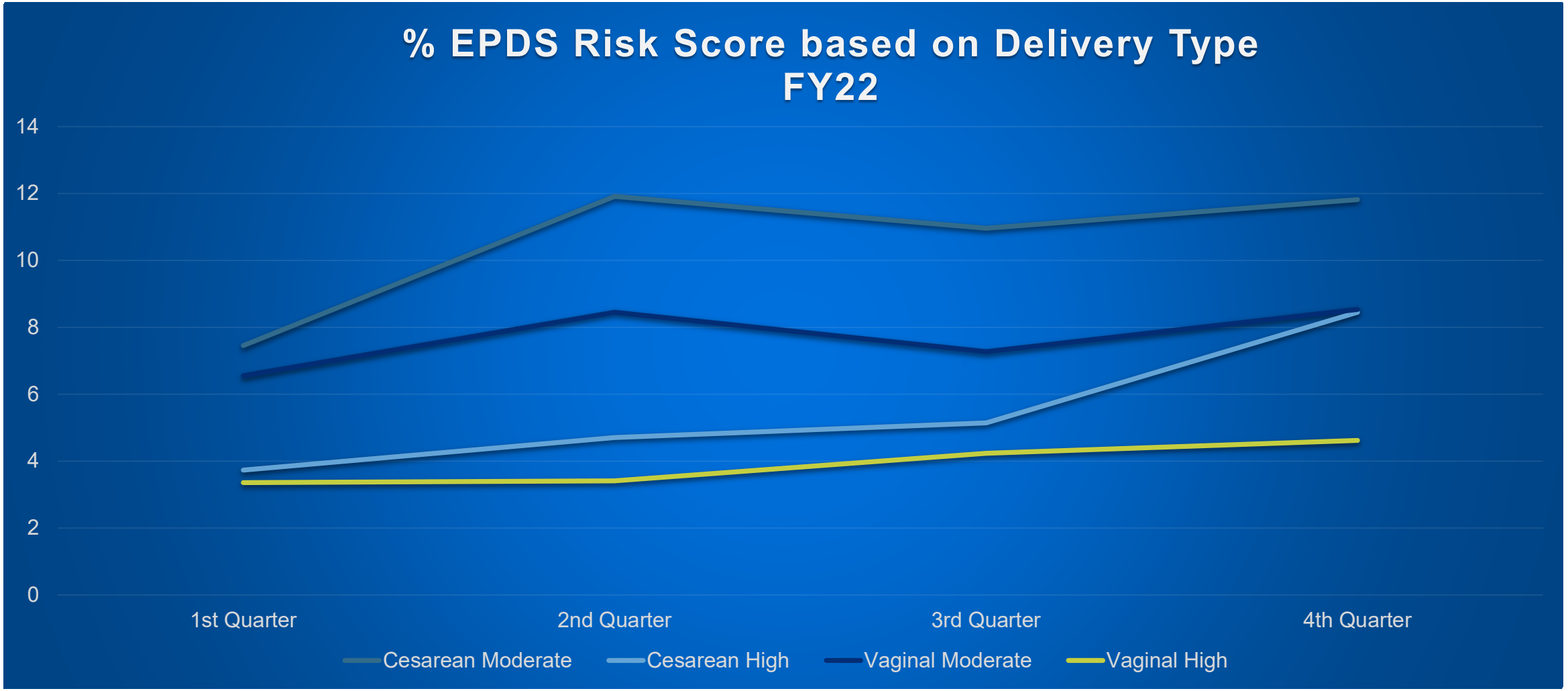
Goal: All women screened with EPDS by the time of discharge



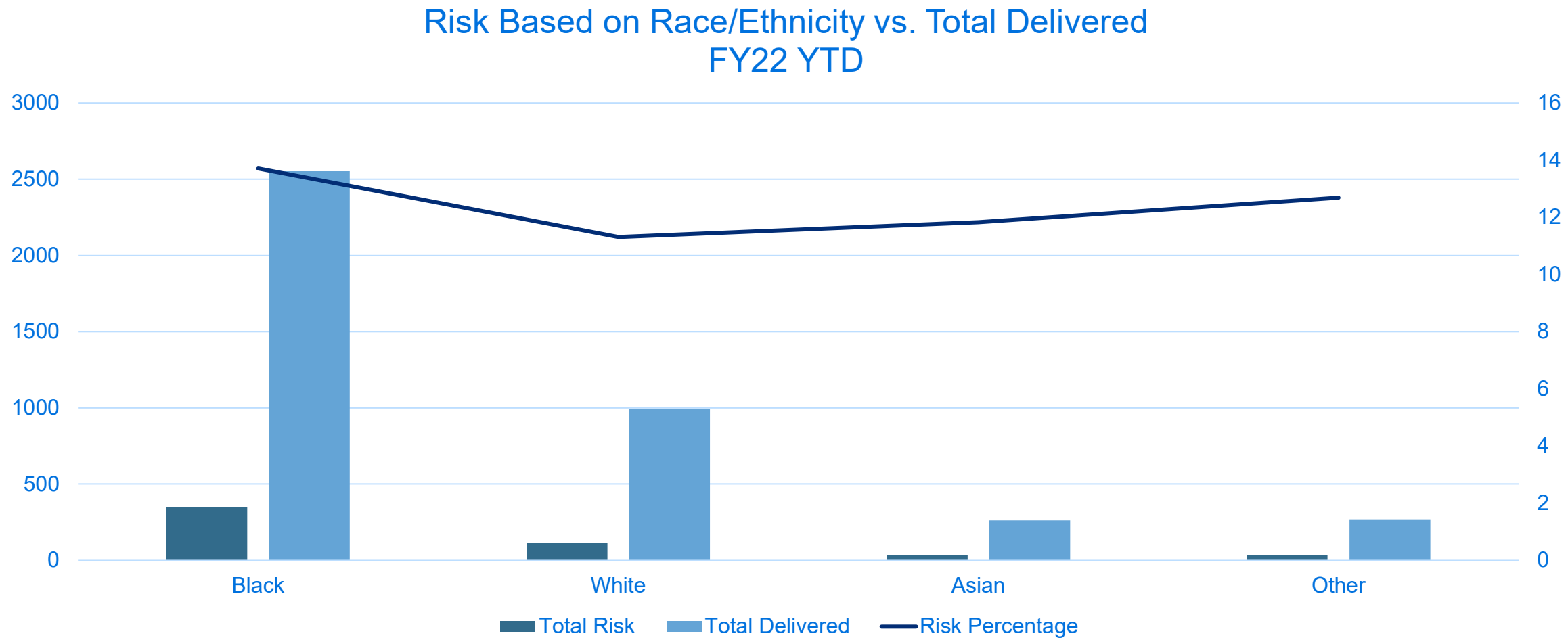
EPDS Completion Prior to Discharge FY22



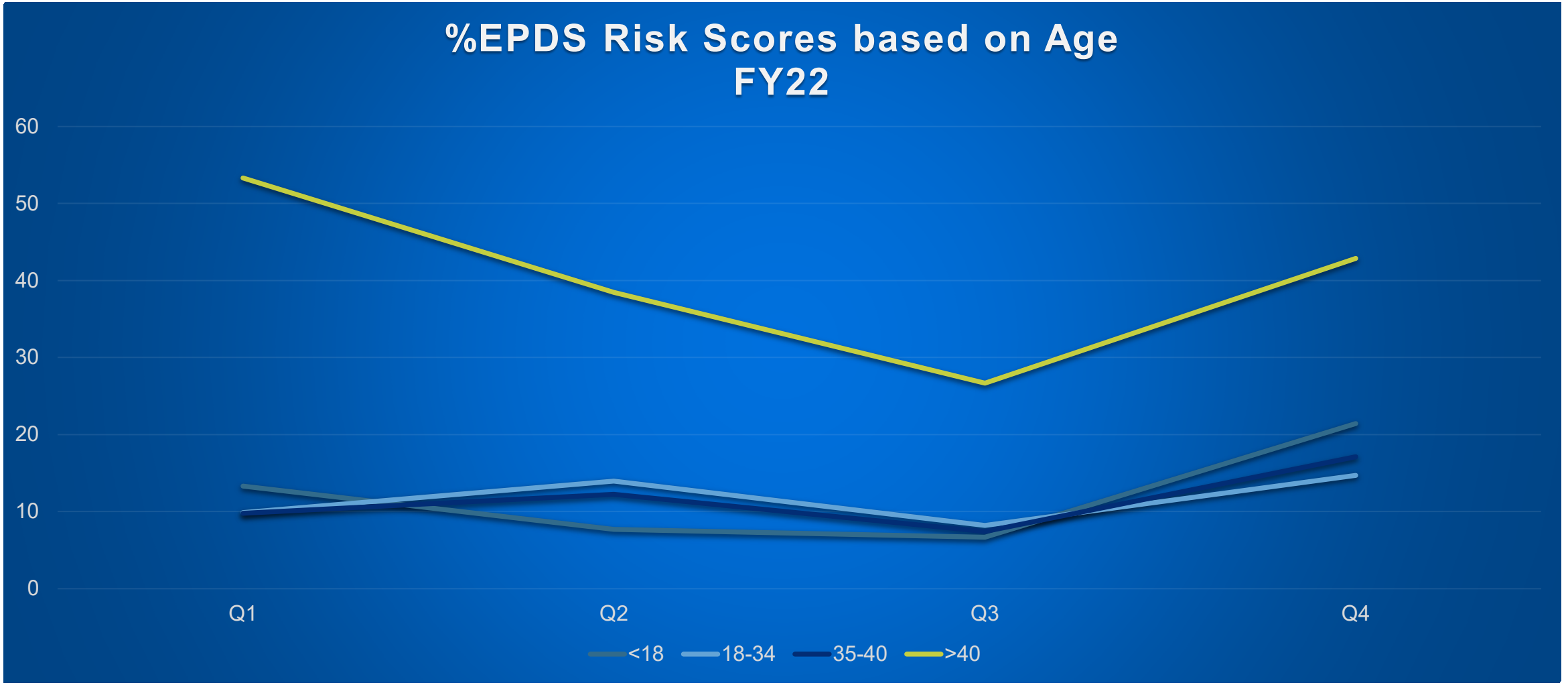
Risk Based on Delivery Type: FY22



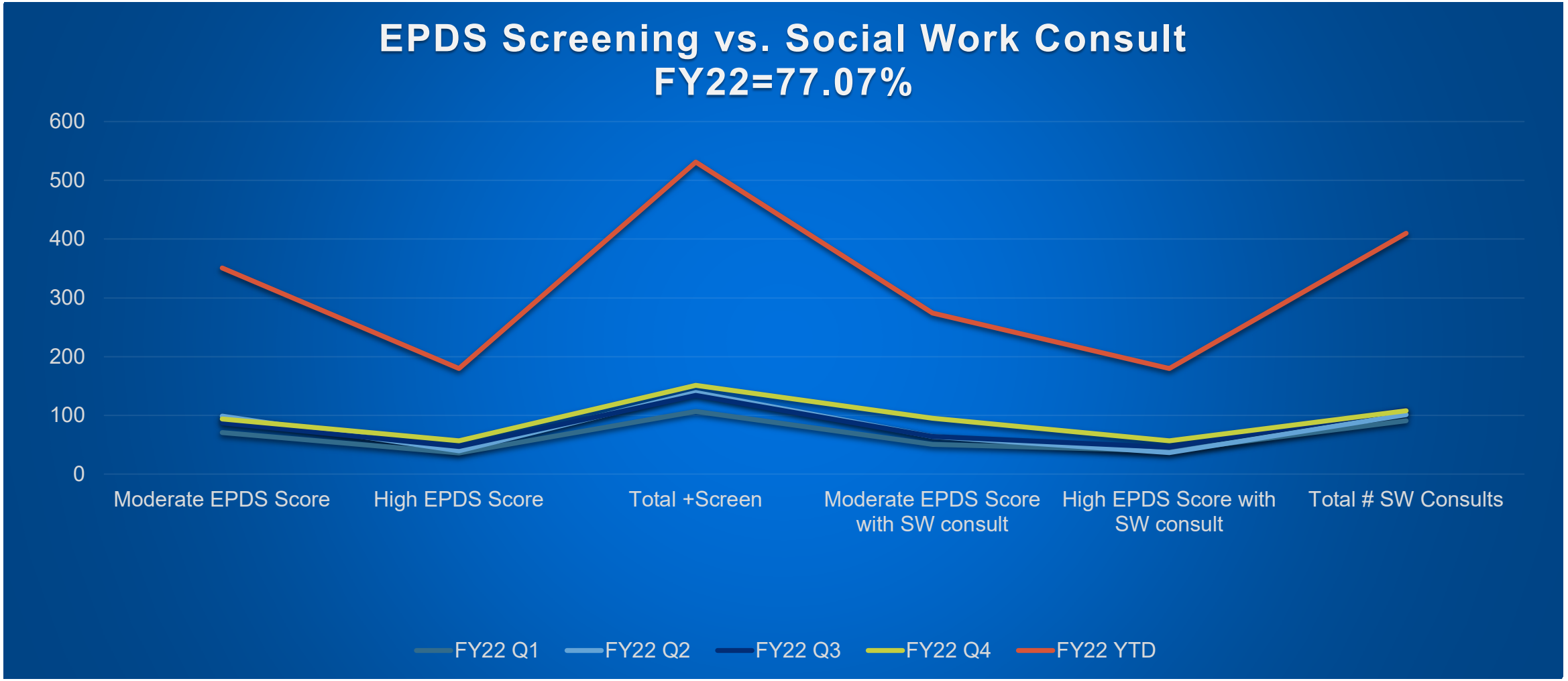
Risk Based on Race/Ethnicity: FY22



Risk Based on Age: FY22



Social Work Partnership: FY22



Strengths

- Implementation of the tool
- Nursing staff commitment
  - Discharge round process
- Culture Shift
  - Empathy
  - Integrated MH care
  - Presence of EPDS is important from a visibility standpoint
- Support for Multidiscipline Staff Education
- Communication and Delivery of MH concerns with Patients
  - Education for Patients
- Every OB patient is being asked about self-harm during hospitalization

Challenges

- Timeline
  - Given after 24 hrs and before 30 hrs
  - Given too soon: resolved and more accurate data now
  - Given right before discharge
- Language of EPDS: Confused about Q#10
  - “hardly ever” across the board confused about this question and increased with any language barrier
- Staff Education Standards
  - Q#10 any response is positive
- Automated Process
- Staffing challenges
  - Does 9-12 warrant a consult with SW
- Lack of MH outpatient appointments
  - 60d-6 months to obtain an appointment

Goals

- Screen Antepartum Admissions
- Establish Standardized Screening Process
- Track MH throughout pregnancy and not just PP period
- Establishing MH care early
- Rescreen the NICU delivered parent


Penn Medicine

Q&A

Emily Magoc, RN-BSN, MPH

Quality Improvement Facilitator

Jewish Healthcare Foundation

Wrap Up & Next Steps

Sara Nelis, RN

Project Manager

Jewish Healthcare Foundation

QI Awards Reminder

Milestone 1: Attend the quarterly PA PQC Learning Sessions

Milestone 2: Submit a Quality Improvement (QI) Report Out, showing work related to implementing Key Intervention(s)

*** Milestone 3:** Complete a PA PQC quarterly survey for the initiative

*** Milestone 4:** Submit at least one quarter's worth of aggregated data for a PA PQC process or outcomes measure(s) through the PA PQC Life QI Data Portal

*** Milestone 5:** Communicate and celebrate your team's impact!

Milestones 3-5 Due: End of the month that follows each calendar quarter – October 31!

https://www.whamglobal.org/pa-pqc-initiatives/criteria-for-quality-improvement-awards

SCAN ME

Learning Sessions

Quarterly Learning Sessions

- December 14 830am to 1230pm via Zoom

SCAN ME

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