### THE NURSE COORDINATOR ROLE AND INCREASING CONTINUITY OF CARE

### IN A PEDIATRIC HEART FAILURE/CARDIOMYOPATHY PROGRAM.

DEBORA BURGER, PHD, RN, NE-BC, PATRICK D. EVERS, MD, MBA, MSC.



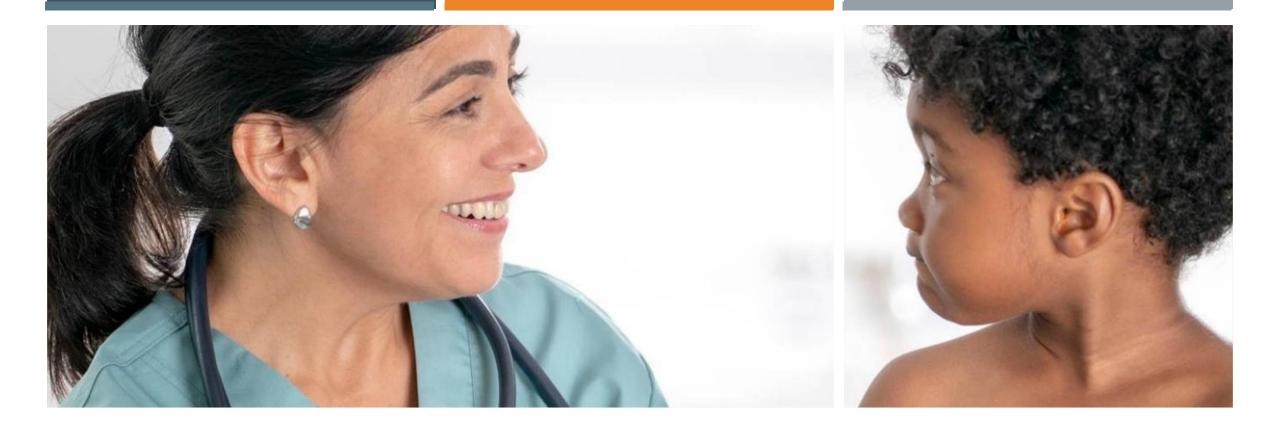
## OBJECTIVES

Why does continuity of care (COC) matter?

Study overview and outcomes

What next?





## NURSING OUTCOMES IN AMBULATORY CARE



# AMBULATORY CARE NURSE-SENSITIVE INDICATOR INDUSTRY REPORT

Meaningful Measurement of Nursing in the Ambulatory Patient Care Environment

**2ND EDITION** 

## CONTINUITY OF CARE

Definition – Health care that remains consistent and uninterrupted throughout the care process (AAACN, 2010, p. 41).

An often-overlooked but arguably the most important component of coordination of care.



## COC STUDIES AND MEASURES

- Well studied in primary care.
- Measures of COC are mostly primary care specific.
- Studies of COC in pediatric specialties are lacking.
- Outcomes of COC interventions: improved patient satisfaction, lower healthcare costs, better utility of the healthcare system, fewer hospitalizations and emergency room visits, better medication adherence, and lower mortality rates.

Bazemore et al. Ann. Fam. Med. 2023;21(3):274-279 Cabana MD & Jee SH. J Fam Pract. 2004;53(12):974-80. Gray et al. BMJ open. 2018. 8(6):e021161. Walraven et al. JECP. 2009;16(5):947-956



## Scope and Standards of Practice for Professional Ambulatory Care Nursing

### 10TH EDITION

### **STANDARD 5a**

#### **Coordination of Care**

#### Standard

The RN practicing care coordination and transition management (CCTM<sup>®</sup>) coordinates the delivery of care within the practice setting and across health care settings.

#### Competencies

#### An pulatory care KNs:

- Demonstrate accountability across the care settings to maintain continuity of care.
- 3. Utilize an interprofessional approach to engage patients, caregivers, and providers in implementing the plan of care across health settings.
- 4. Facilitate the transition of patients and populations to the appropriate level of care.
- Educate patients, caregivers, and populations for optimal disease management by promoting healthy lifestyle changes in the prevention of illness and reducing risk factors to prevent disease progression.
- 6. Recognize and maximize opportunities to improve the quality of care for patients and populations.
- 7. Manage high-risk individuals and populations to prevent or delay adverse outcomes.
- Communicate relevant information to the patient, caregivers, and interprofessional team across the care continuum.
- Apply effective teamwork and collaboration skills to overcome identified barriers to produce quality and effective patient outcomes.

*Cardiology in the Young* (2016), **26**, 327–333 doi:10.1017/S1047951115000220 © Cambridge University Press, 2015

Original Article

Challenges of intra-institutional transfer of care from paediatric to adult congenital cardiology: the need for retention as well as transition

Claudine M. Bohun,<sup>1</sup> Patricia Woods,<sup>2</sup> Christiane Winter,<sup>3</sup> Julie Mitchell,<sup>3</sup> Joel McLarry,<sup>2</sup> Joseph Weiss,<sup>2</sup> Craig S. Broberg<sup>2</sup>

<sup>1</sup>Division of Pediatric Cardiology; <sup>2</sup>Adult Congenital Heart Program, Knight Cardiovascular Institute; <sup>3</sup>Oregon Clinical and Translational Research Institute, Oregon Health & Science University, Portland, Oregon, United states of America

cardiomyopathy or Marfan syndrome. From the remaining patients, it was observed that many had not had any follow-up with any provider between 2004 and 2007, and were, therefore, essentially lost to paediatric follow-up before the opportunity for transfer. These patients were, therefore, excluded. The remain-

#### Results

Of the 916 patients identified (Fig 1), 495 were eligible for inclusion based on age of at least 18 years as on 1 January, 2008, a confirmed diagnosis of CHD, and attendance at a paediatric cardiology clinic. Of these, 266 (54%) patients were lost to follow-up between 2004 and 2007. The remaining

### Pediatric Cardiomyopathy and Heart Failure



Our large team of heart specialists draws on a variety of techniques and advanced tools to treat cardiomyopathy and heart failure in children.

OHSU Doernbecher Children's Hospital provides complete, team-based care for children with thickened, weak or enlarged hearts. We also offer a smooth transition to adult care when needed.

Our cardiomyopathy and heart failure program includes:

- The largest, most experienced team of children's heart specialists in Oregon and southwest Washington.
- Critical-care doctors on duty 24/7 to care for children with failing hearts.



### **High Reliability Team**

### **Goals:**

To continuously improve and eliminate harm with a focus on the five key principles of a high reliability team:

- I. Preoccupation with failure
- 2. Reluctance to simplify
- 3. Sensitivity to operations
- 4. Deference to expertise
- 5. Commitment to resilience

Torzone, Andrea, & Alexandra Birely. Curr. Opin. in Cardiol. 2024. 39(4):356-363.







# HF/CM TEAM

## PURPOSE

- To examine the COC of pediatric HF/CM patients prior to and after the formation of a HF/CM team with a nurse coordinator in the ambulatory care setting.
- We also examined HF/CM related emergency room visits and hospitalizations.



## METHODS

### Nurse Coordinator role:

- Tracked intended follow-up appointments
- If not scheduled two-weeks prior: the nurse coordinator reached out to the scheduling team to iteratively contact the patient/family to attempt to schedule.
- Reviewed difficult scheduling cases with the physician to see if cardiac testing could be performed locally and the patient be seen by virtual visits

## **STUDY DESIGN**

### Retrospective:

Patients enrolled between fall of 2021 and October 2023. Observed COC from program start to April 2024 (33 months).

### COC measure:

An office visit within three months of the date the patient was due for follow-up care

 I) Those who were seen by a pediatric cardiologist from our institution prior to joining the pediatric HF/CM program  2) Those who received no prior pediatric cardiology care or were seen by pediatric cardiologists outside of our institution prior to entering the program.

## DATA COLLECTION

- Demographics
- Dates:
  - First visit with preceding pediatric cardiologist
  - Last planned follow-up with preceding pediatric cardiologist OR date of failure of COC with previous pediatric cardiologist
  - Start date with the tertiary care centers pediatric HF/CM program
  - Date of last planned follow-up with the tertiary care centers pediatric HF/CM program OR date of failure of COC criteria
- HF/CM related emergency room visits/hospitalizations.

## DATA ANALYSIS

- Standard descriptive statistics
- Sub-analysis: Kaplan-Meier graph and the log-rank Mantel-cox test
- McNemer test
- Mann-Whitney U test
- Rank-biserial correlation coefficient

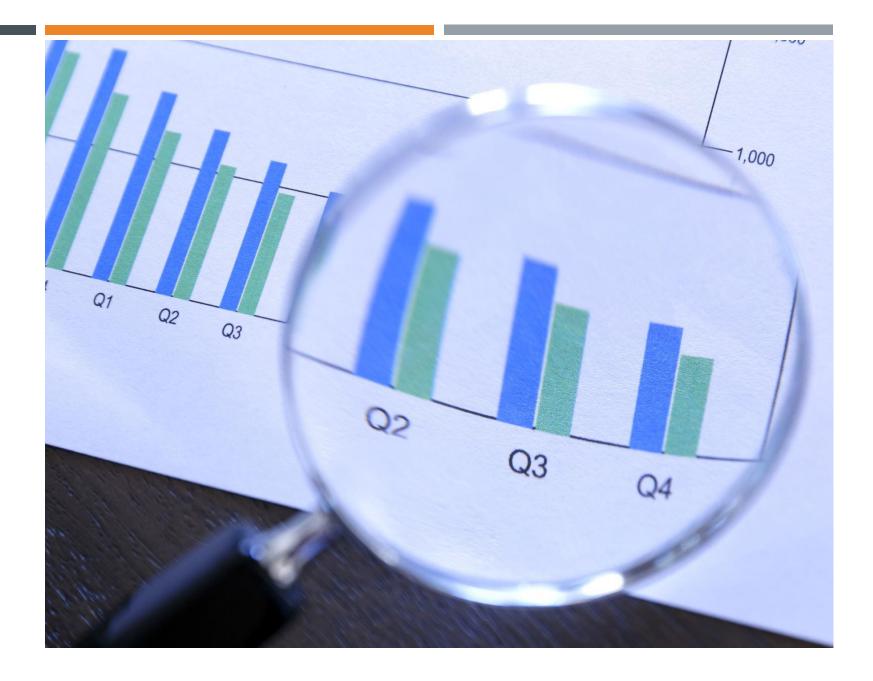
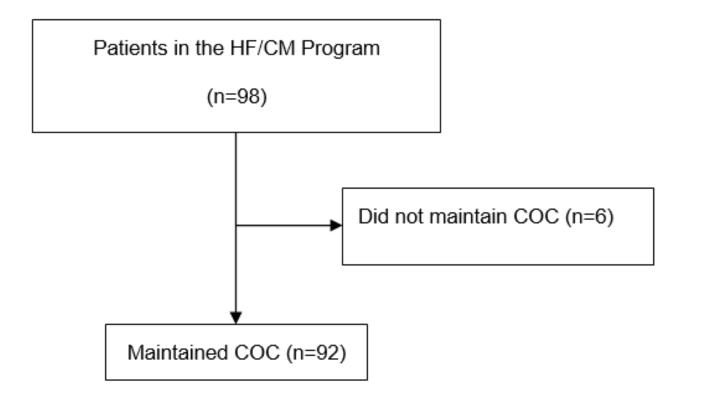


Table 1: HF/CM Program Demographics (n= 98)	Mean ±SD or N (%)
Male	76 (78%)
Age	10.4 ± 5.4 years
Public Health Insurance	45 (46%)
Lives in Metro Area	46 (47%)
HF/CM Etiology	
Neuromuscular Disorders	71 (72%)
Without Neuromuscular Disorders	21 (21.4%)
Congenital Heart Disease	4 (4%)
Left Ventricular Non-Compaction	1 (1%)
Chemotherapy-Induced Cardiomyopathy	1 (1%)
Clinical HF or Objective Ventricular Systolic Dysfunction	16 (16.3%)

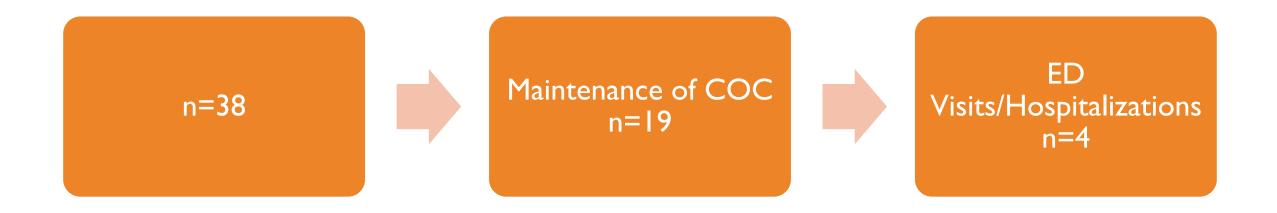
# DESCRIPTION

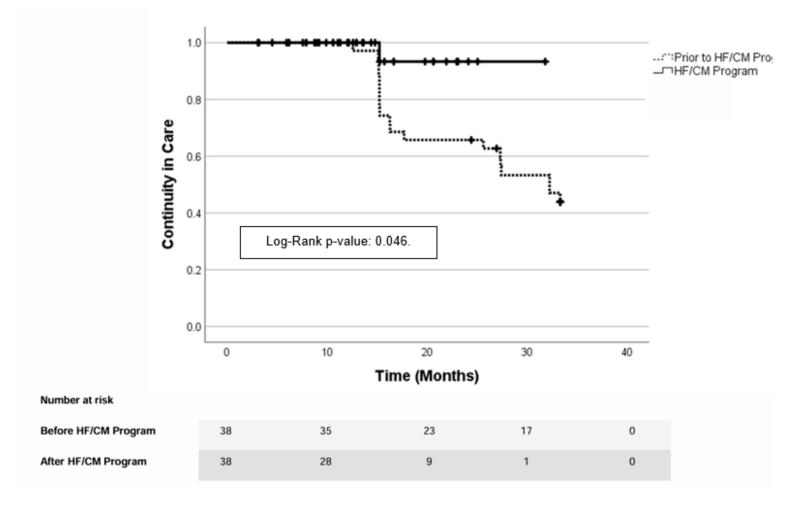
# TOTAL PROGRAM COC



ED visits/Hospitalizations: None

## SUBGROUP ANALYSIS: PRECEDING PEDIATRIC CARDIOLOGY CARE





### Figure 1

Abbreviations HF/CM, heart failure/cardiomyopathy

## DISCUSSION

- Almost all patients cared for by the HF/CM team maintained COC during the study period
- These patients also had significantly fewer HF/CM related emergency room visits/hospitalizations than when under prior pediatric cardiology care.
- Those managed by the HF/CM nurse coordinator had significantly higher levels of COC than during the preceding period they received prior pediatric cardiology care.

## STRENGTHS AND LIMITATIONS

### Strengths

To our knowledge, this is the first study to examine COC in pediatric HF/CM patients in an ambulatory care

setting and the extent to which this can be modified by the institution of a nurse coordinator role.

### Limitations

These findings should be interpreted with caution as they are limited by a short study period and some

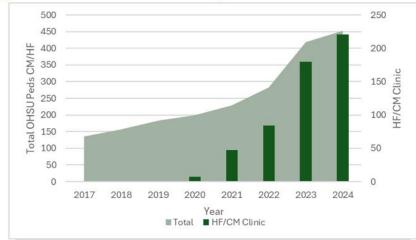
patients were enrolled in the program for a short period of time.

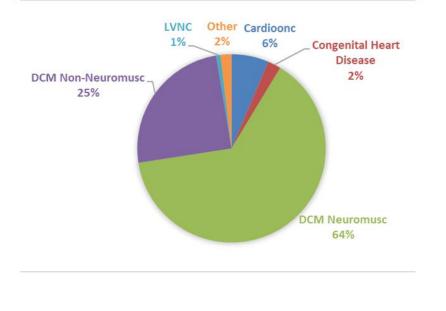
## CONCLUSION

The high functioning HF/CM team had high rates of COC in pediatric patients in the ambulatory care setting.

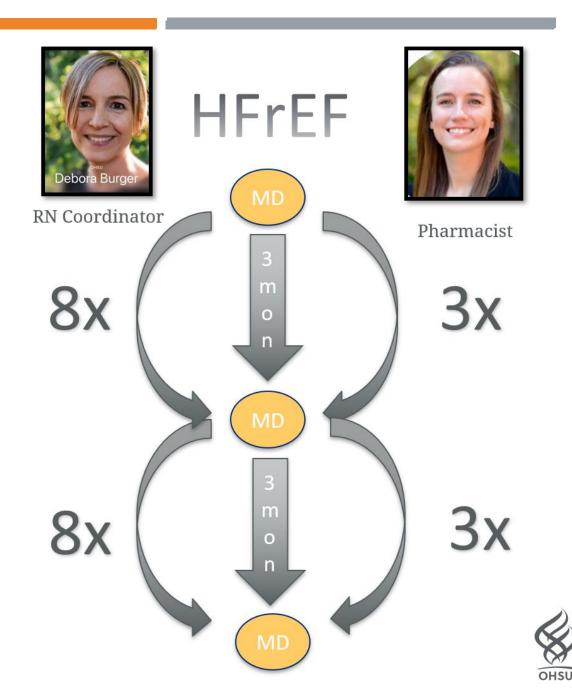


## **Program Makeup**





OHSU



## CALL TO ACTION



#### Home / About AAACN



### **Evidence-based Practice**

- Toolkit
- JHNEBP Model & Worksheets

### Research

- Current Studies More Information Coming Soon
- Research Consultation Service
- New to Research More Information Coming Soon
- AAACN Conference Dissemination Session More Information Coming Soon
- Capid-Fire Dissemination Tips for Success
- Examples of Abstracts



# Standardizing Antepartum Screening for Intimate Partner Violence

**Project Lead**: Leah Holmes, BSN, RN, SNM **Chair**: Holly Houston, PhD, MSN, CNM **Content Expert**: Kristin Giroux, DNP, CNM

April 14, 2025

## CLINICAL PROBLEM

- Up to 20% of pregnant people have experienced IPV
- Perinatal experience of IPV is harmful to pregnant people and neonates
- Racial and ethnic disparities are significant

## **PROFESSIONAL RECOMMENDATIONS**

- **USPSTF**: Routine, universal screening
- ACNM: Regular screening for current or past experience of IPV using best practices and validated instruments
- ACOG: Screen during first prenatal visit, at least once per trimester, and postpartum

## **REVIEW OF THE LITERATURE**

- Prenatal care is an opportunity for screening patients for IPV
  - Most patients interact with the healthcare system more during pregnancy than at any other time in their lives
  - Pregnant people are more likely than nonpregnant people to disclose IPV
- Any form of screening is preferable to no screening
  - No established standard screening tool
  - Screening without intervention does not reduce the incidence of IPV or improve survivors' quality of life

## **REVIEW OF THE LITERATURE**

- Studies have investigated barriers and facilitators to IPV screening in pregnancy
  - Healthcare providers need additional training, tools and systemic support
- Patients want their providers to ask about IPV
  - Screening can be therapeutic
  - "Planting the seed"
- Universal education about the connection between relationship safety and health is essential
  - IPV education interventions benefit both patients and providers

<sup>(</sup>ACOG, 2022; Chang et al., 2005; Decker et al., 2017; Dichter et al., 2021; Dienemann et al., 2005; Drexler et al., 2022; Greely et al., 2022; Kapaya et al., 2019; Kozhimannil et al., 2023; Lee et al., 2019; LoGiudice, 2015; Lu et al., 2023; Miller et al., 2017; O'Doherty et al., 2015; Tarzia et al., 2020)

## SPECIFIC AIMS

Establish a **standardized**, **evidence-based**, **trauma-informed** process for **universal IPV screening and education** within prenatal care to reduce preventable morbidity and mortality associated with IPV

- Baseline data collection: July 1 Aug. 25, 2024
- PDSA Cycle 1: Sept. 30 Oct. 27, 2024
- **PDSA Cycle 2:** Nov. 4 Dec. 1, 2024

By Sept. 16, 2024, **100%** of staff, students and providers will receive access to an educational PowerPoint presentation describing the project

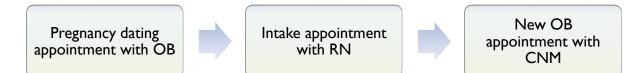
By Sept. 30, 2024, **80%** of staff, students and providers who received access to the PowerPoint will have viewed the presentation

By Oct. 28, 2024, **50%** of patients attending New OB visits will have documentation of confidential IPV screening and education in their chart

By Dec. 2, 2024, **80%** of patients attending New OB visits will have documentation of confidential IPV screening and education in their chart

## **PRACTICE SETTING**

 Clinic setting: Collaborative practice with midwives and obstetricians at a community hospital in the Pacific Northwest



- Patient demographics (2021-2023):
  - 51% Hispanic, Mexican, Mexican American, Latinx, Puerto Rican, or Spanish origin; 39% non-Hispanic white; remaining 10% identified as non-Hispanic Black, African American, Asian or Pacific Islander
  - 25% reported Spanish as their preferred language; 2% reported a language other than Spanish or English as their preferred language.
  - Majority received Medicaid health insurance coverage
- Birth statistics (2023):
  - 469 deliveries
  - **326 (69.5%)** vaginal births
  - I43 (30.5%) cesarean births

## **PROJECT CONTEXT**

- Lack of clear workflow for IPV screening in pregnancy
  - Inconsistent screening
  - Frequent deferral
  - Missed or delayed identification of IPV
- Baseline chart review
  - I 3.8% of charts documented IPV screening at the New OB visit
    - 25% screened positive for IPV

# Intervention Framework

#### CUES AN EVIDENCE-BASED INTERVENTION TO ADDRESS DOMESTIC AND SEXUAL VIOLENCE IN HEALTH SETTINGS

in to improve health and safety outcomes for surviv

Survivors say they want health providers to: Be nonjudgmental • Listen • Offer information and support • Not push for disclosure

### **C:**Confidentiality

 Know your state's reporting requirements and share any limits of confidentiality with your patients.

Always see patients alone for part of every visit so that you can bring up relationship violence safely.

Make sure you have access to professional interpreters and do not rely on family or friends to interpret.

"Before we get started I want to let you know that I wont's hare anything we talk about today outside of the care team here unless you were to tell me about (find out your state's mandatory reporting requirements)."



"I'm giving two of these cards to all of my patients. They talk about relationships and how they affect our health. Take a look, and I've also included one for a friend or family member. On the back of the card there are resources you can call or text, and you can always talk to me about how you think your relationships are affecting your health. Is any of this a part of your story?"

### UE: Universal Education + Empowerment

Give each patient two safety cards to start the conversation about relationships and how they affect health.

Open the card and encourage them to take a look. Make sure patients know that you're a safe person for them to talk to.

I Offering safety cards to all patients ensures that everyone gets access to information about relationships, not just those who choose to disclose experiences of violence.

S: Support

Though disclosure of violence is not the goal, it will happen -know how to support someone who discloses.

Make a warm referral to your local domestic/sexual violence partner agency or national hottines (on the back of all safety cards).

 Offer health promotion strategies and a care plan that takes surviving abuse into consideration.

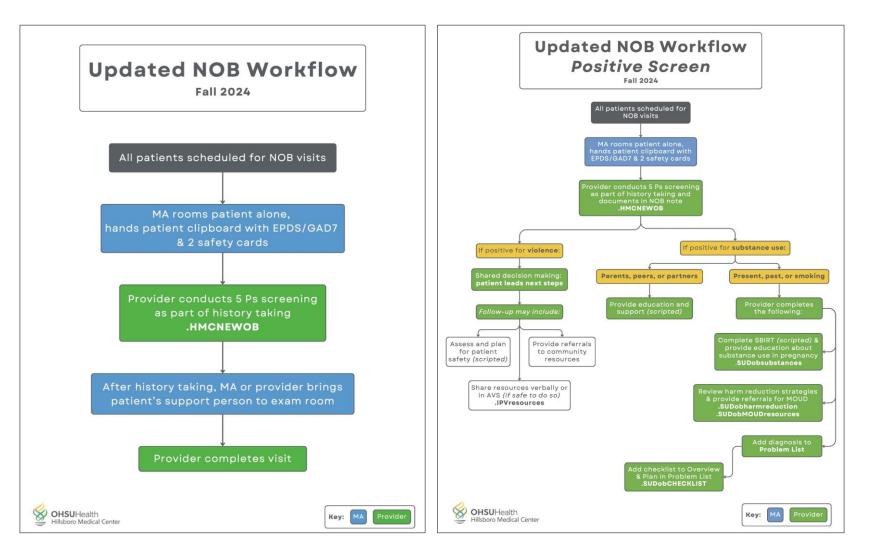
What resources are available in your area for survivors of domestic and sexual violence? How about for LGBTQ, immigrant, or youth survivors? Partnering with local resources makes all the difference.

"Thank you for sharing this with me, I'm so sorry this is happening. What you're telling me makes me worried about your safety and health...

> A lot of my patients experience things like this. There are resources that can help. [Share name, phone and a little about your local DV program] I would be happy to connect you today if that interests you."

For more information or to order materials Mr.F.9em-5pm PST I 415-678-5500 I TTY: 866-678-8901 contact the National Health Resource health@futures.withoutviolence.org Center on Domestic Violence: ipvhealth.org I for community health centers: ipvhealthpartners.org

# **Project Workflow**



## Handout: Safety Cards



AFFECTING YOUR HEALTH?

#### How's It Going?

Everyone deserves to have partners listen to what they want and need. Ask yourself:

Is my partner or the person I am seeing kind to me and respectful of my choices?

Is my partner willing to talk openly when there are problems?
 Does my partner give me space to spend time with other people?

If you answered YES to these questions, it sounds like you have a supportive and caring partner. Studies show that being cared for by the person you are with leads to better health, a longer life, and helps your kids.

#### Are There Times...

#### My partner or the person I'm seeing:

Shames or humiliates me, makes me feel bad about myself, or controls where I go and how I spend my money?

X Ever hurts or scares me with their words or actions?

X Makes me have sex when I don't want to?

X Keeps me from seeing my doctor or taking my medicine?

These experiences are common. 1 in 4 women is hurt by a partner in her lifetime. If something like this is happening to you or a friend, call or text the hotlines on this card.

#### Helping a Friend

Everyone feels helpless at times and like nothing they do is right.

Sound familiar? This can be a bigger problem if you have a partner who is unhealthy or unsafe. Connecting with friends or family who are having hard times like this is so important.

You can help by telling them they aren't alone. "Hey, I've been there too and someone gave this card to me. It has ideas on places you can go for support and things you can do to be safer and healthier."

And for you? Studies show when we help others we see the good in ourselves, too.

#### Partners Can Affect Health

A lot of people don't realize that having a partner hurt you with their words, injure/hurt you or make you do sexual things you don't want to can affect your health:

- Asthma, diabetes, chronic pain, high blood pressure, cancer
   Smoking, drug and alcohol abuse, unplanned pregnancies and STDs
- Trouble sleeping, depression, anxiety, inability to think or control emotions

Talking to your health provider about these connections can help them take better care of you.



A TU SALU

#### ¿Cómo van las cosas?

Todo el mundo merece tener una pareja que escucha lo que quieres y necesitas. Pregúntate:

✔ ¿Mi pareja o la persona con quien estoy saliendo, respeta mis

- ¿Mi pareja está dispuesta a hablar abiertamente cuando hay problemas?
- ¿Mi pareja me da el espacio para pasar tiempo con otras personas?

Si respondiste "Si" a estas preguntas, parece que tienes una pareja solidaria y cariñosa. Los estudios demuestran que tener esa atención de la persona con quien estás, conduce a una vida más saludable, más larga y con mejores resultados para tus niños/niñas.

#### Hay veces que...

#### Mi pareja o la persona que estoy viendo:

X ¿Me avergüenza o me humilla, me hace sentir mal sobre mí misma o controla a dónde voy y cómo gasto mi dinero?

- X ¿A veces me hace daño o me atemoriza, o me amenaza con sus palabras o acciones?
- 样 ¿Me obliga a tener sexo cuando yo no quiero?

X ¿Me impide ver a mi médico o tomar mi medicina?

Estas experiencias son comunes, 1 de cada 4 mujeres son agredidas por su pareja durante su vida. Si algo así te está sucediendo a ti o a una amiga/o, llama o manda un texto a las líneas de emergencia en esta tarjeta.

Todas nos sentimos impotentes algunas veces—como si todo lo que hacemos sale mal.

Ayudando a un ser querido

¿Suena familiar? Esto puede ser un gran problema si alguien tiene una pareja que es nociva o perjudicial. El mantenerse en contacto con amigas/amigos o familiares que tienen dificultades en sus relaciones es muy importante.

Tú puedes crear la diferencia al dejarles saber que no están solas. "Oye, yo he estado ahí también. Alguien me dio esta tarjeta y me ha ayudado con ideas de lugares a donde puedo ir para obtener ayuda y sentirme más segura y saludable." 2/ para tPi Coe setudios demuestran que cuando ayudamos a otras

personas nos sentimos bien con nosotras mismas también.

#### Tu pareja puede afectar tu salud

Mucha gente no se da cuenta que el tener una pareja que te lastima o te hiere con sus palabras, o te obliga hacer cosas sexuales que tú no deseas puede afectar tu salud:

- Asma, diabetes, dolor crónico, hipertensión arterial, cáncer
   Fumar, consumo de drogas y alcohol, embarazos no deseados y
- enfermedades de transmisión sexual V Problemas para dormir, depresión, ansiedad, no poder pensar o
- controlar las emociones

El hablar con tu proveedor de salud acerca de estas conexiones, puede ayudarles a cuidarte mejor.

## **EHR:** New OB Note Template

5 P's Screening for Substance Use & Intimate Partner Violence	Positive for Violence?		
We know pregnancy is an important time for you. We want to address anything that can be harmful to you or your baby and	Yes - Follow-up:		
help make your pregnancy as healthy as possible. We've started asking all of our patients about some things that can have a	Resources provided ***		
big impact on our health. Before we get started, I want you to know that everything here is confidential, meaning that I won't talk to anyone else about	Referrals provided ***		
what is said unless you tell me about abuse or neglect involving children, elderly or people with disabilities.	Safety planning discussed ***		
what is said unless you ter me about abuse of neglect involving children, eldeny of people with disabilities.	Discuss at next visit ***		
Parents: Did any of your parents have a problem with alcohol or other drug use? YES***/NO -	Discuss at next visit		
Peers: Do any of your friends have a problem with alcohol or other drug use? YES***/NO -	**** Delete below before signing visit ****		
Partner. Does your partner have a problem with alcohol or other drug use? YES***/NO -	Validate patient's	Responding to IPV Disclosure Validate patient's Thank you for answering my questions and sharing your experience.	
Past: In the past, have you had difficulties in your life due to alcohol or other drugs, including prescription medications? YES***/NO -	experience:	I'm so sorry this is happening. / This is not your fault. / I'm worried about your safety.	
Present: In the past month, have you drunk any alcohol or used other drugs including cannabis? YES***/NO -		I'm here to listen without judgment and support you however I can.	
How many days per month do you drink?	Patient leads next	Relationships can have a big impact on your health and your baby's.	
How many drinks on any given day?	steps:	Is it okay if we talk more about your experience?	
How often did you have 4 or more drinks per day in the last month?		Current IPV: What are your goals for your relationship in this	
Smoking: Have you smoked any cigarettes or vaped any nicotine in the past three months? YES***/NO *		pregnancy? How can we help you achieve these goals?	
Violence: Are you currently or have you ever been in a relationship where you were physically hurt, threatened, controlled,		<ul> <li>History of IPV: Is there anything from your past relationship</li> </ul>	
		experiences that you want us to know, or that would inform how we care for you in this pregnancy?	
emotionally abused or made to feel unsafe? YES***/NO -	Provide referral to	I have additional resources that patients often find helpful. Would you	
Was patient seen confidentially? YES/NO*** -	resources:	like to talk more about them?	
		Share resources verbally or in AVS, if patient agrees this is safe to	
Universal IPV education provided (safety cards given to patient)? YES/NO*** -		do so (.IPVRESOURCES).	
		Provide referrals to support as needed.	
Positive for Violence?	Assess and plan for	Assess for safety in clinic – Is the perpetrator with the patient?	
Yes/No *	safety:	Assess for safety at home – Threats of homicide, weapons	
Positive for Parents. Peers or Partners?		involved, history of strangulation or stalking, safety of children? Do you have immediate safety concerns today? We can connect you	
		to support you need today, or help you create a safety plan.	
Yes/No -		A safety plan is a set of actions that can help lower your risk of being	
Desition for Dest Descent on Seculia 2		hurt by your partner.	
Positive for Past, Present or Smoking?		Create a safety plan:	
Yes/No *		https://www.thehotline.org/plan-for-safety/create-your-personal-safety-	
		plan	
	Hide note from patient:		
		through the patient portal, MyChart. If others have access to your MyChart and someone else seeing this note would cause you harm, I	
		can hide the note from your MyChart so it won't be visible. Would you	
		like me to hide this note or any future notes in which we discuss your	
		relationship safety?	
		If yes, deselect the "Share with Patient" button to block the note from	
		the patient's MyChart.	
	Making a report:	Remember at the start of this visit when we talked about situations	
		where we would have to get others involved? This is one of those	
		times. I know it took a great deal of courage to share this with me,	
		and we need to make sure that you are safe. I will need to report	

what happened to you. I really would like your help making sure that I understand all of the things you need to make this as safe and

Thank you for talking with me today. Can we plan to follow up at your

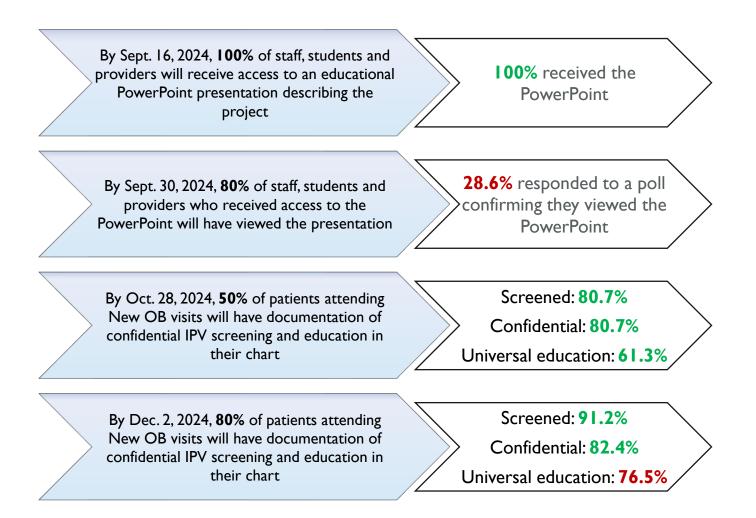
You can also reach me in these ways: [discuss contact methods]

supportive as possible for you.

next visit?

Follow-up:

## RESULTS

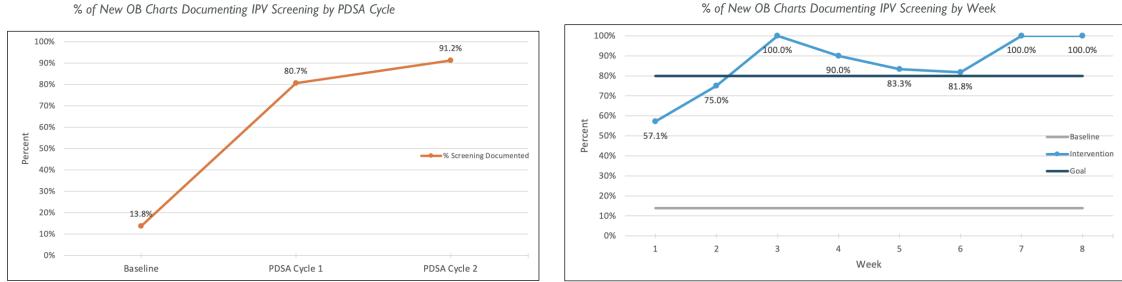


## **Results:** Screening

**IPV Screening:** 86.2% of New OB charts included documentation of IPV screening

- PDSA Cycle 1:80.7% of charts •
- PDSA Cycle 2:91.2% of charts •

Positive for IPV: 14.6% screened positive for past or current IPV



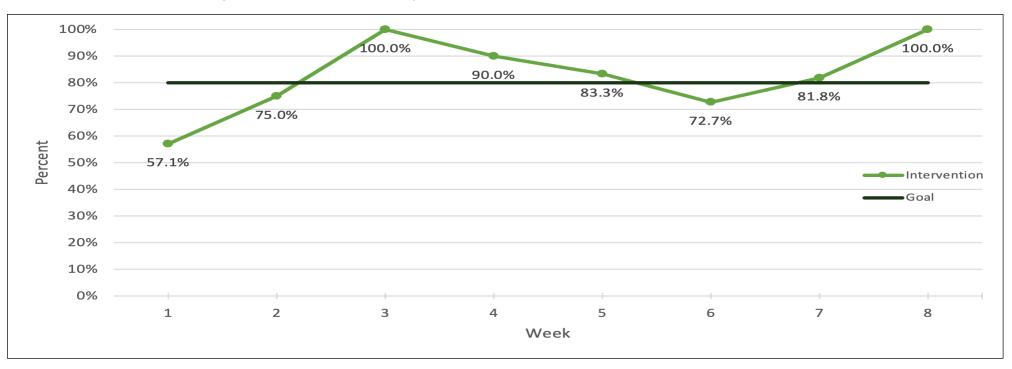
% of New OB Charts Documenting IPV Screening by PDSA Cycle

## **Results:** Seen Confidentially

**Seen Confidentially:** 81.5% of New OB charts included documentation that the patient was seen confidentially

- **PDSA Cycle I:** 80.7% of charts
- **PDSA Cycle 2:** 82.4% of charts

% of New OB Charts Documenting Patient Was Seen Confidentially

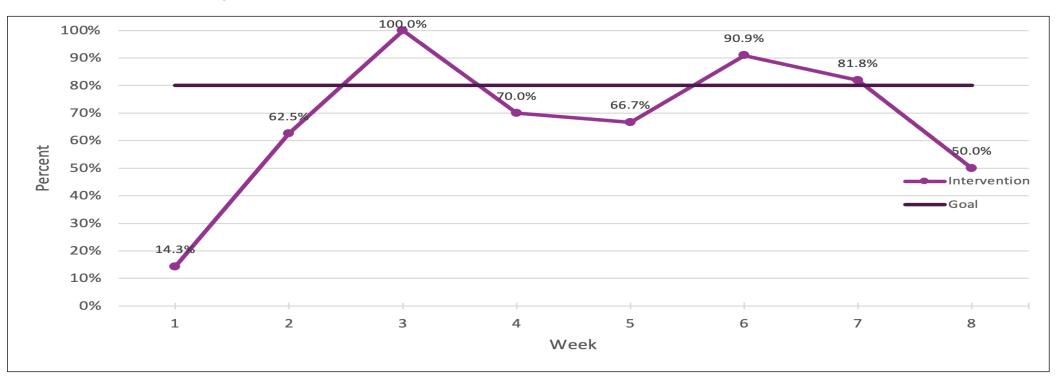


## **Results:** Universal Education

Universal Education: 69.2% of charts included documentation of universal education

- **PDSA Cycle 1:**61.3% of charts
- **PDSA Cycle 2:** 76.5% of charts

% of New OB Charts Documenting Universal Education



## INTERPRETATION

Statistically significant increase in IPV screening	Falls short of recommendations for universal screening in pregnancy	High rate of perinatal IPV experience among this patient population
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Challenges with universal education

Identification of providerand systems-level barriers

## LIMITATIONS

- Lack of robust data related to clinic workflow burden
- Limitations of EHR templates
- Generalizability is limited to specific project environment

## NEXT STEPS

- Providers at the clinic have voted to continue the intervention!
- Incorporate screening at additional time points in pregnancy



# Thank You