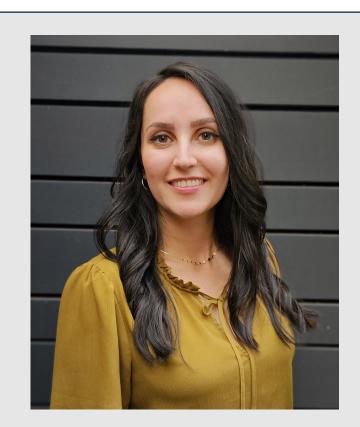


Advancing Health Equity for Patients with Limited English Proficiency (LEP), Reducing Length of Stay and Readmissions

Meet the team:





Moojan Rezvan, MBA Project Lead

Supervisor, Interpreter Services Providence Health Equity Fellow



Emily Cusick, BSN, RN, CCRN Project Co-Lead

Sepsis Clinical Coordinator

Providence Health Equity Fellowship

In 2020, Providence made a 6-year, \$50 million commitment to reduce health disparities for communities who have historically been underserved or marginalized.

As part of this commitment, Providence launched its Health Equity Fellowship in March 2023. The program aims to build caregivers' capacity and expertise through mentorship, comprehensive training, and the real-time application of health equity principles.

Twenty fellows from across the Providence system joined the program's inaugural year. Each fellow designed, implemented, and managed a process improvement health equity project addressing the needs of marginalized patient populations in their local communities.







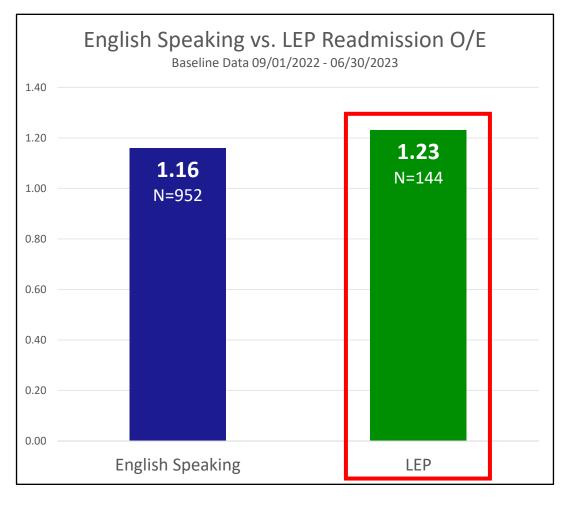
LEP Person: A person with limited English proficiency (LEP) is someone who does not speak English as their primary language and has a limited ability to read, speak, write, or understand English.

Length of Stay (LOS): The duration of a single episode of hospitalization. Length of stay is calculated by subtracting day of admission from day of discharge.

30-Day Readmission: Unplanned readmissions to the hospital within the 30 days after being discharged. Unplanned hospital readmission is not always related to the previous visit.

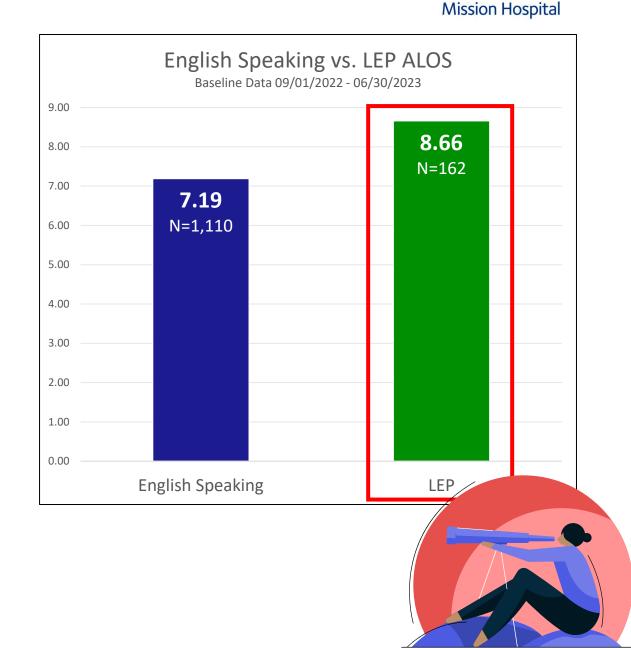
Readmission Observed to Expected (O/E) ratio: Observed readmission is the actual number of readmissions. Expected readmission is a predicted number based on the patient's readmission risk. The ratio is calculated by dividing the observed by the expected. If an O/E ratio is less than 1, a readmission has theoretically been prevented.

Average Length of Stay and Readmission O/E Baseline Data



Project SMART Aim. By June 30th, 2024:

- To reduce ALOS from 8.66 days to 7.66 days
- To decrease 30-day Readmission rate from 1.23 to 1.00



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What are the barriers?



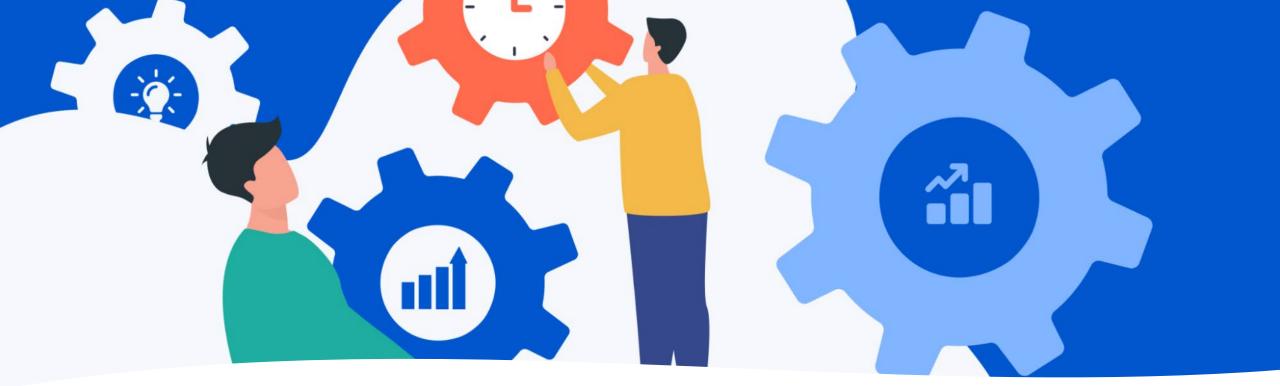
- Was an interpreter used for every encounter?
- Was an interpreter used during discharge planning?
- Was there a delay in Case Management assessment?
- Were there barriers in providing home health needs?
- Were there cultural barriers that we could help support?
- Was there a post discharge call made using an interpreter?
- Did the patient receive translated educational materials upon discharge?





Patient Focus Group 1 – Aug 2023 Spanish Speaking Patients and Family Members





Process:



- We contacted 90 patients who:
 - Were treated for Sepsis as one of their diagnoses in the past 12 months
 - Had a longer than expected length of stay based on their diagnosis
 - Had a readmission within 30 days of discharge
- Out of the 90 patients we contacted, 16 patients agreed to join us for a Patient Focus Group
- Out of the 16 who agreed to come, 8 respondents arrived on the scheduled date.

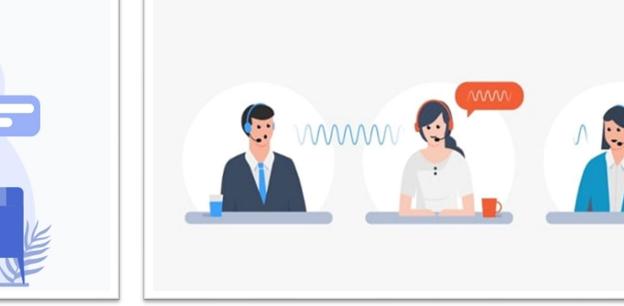
Room Set up

Room 1 – Focus Group Participants and moderators Spanish conversations only

Spanish conversations only pr

Room 2 – Broadcasting from Room 1

The team and a Spanish interpreter providing simultaneous interpretation





Patient Focus Group 1 – Aug 2023

Opportunities Identified for Improvement



Understanding of the disease process



Listening to build trust



Enhancing communication with the care team



Post discharge care





Understanding of their disease process

"I went to the hospital because my blood pressure was dropping quite a bit-but **they never told me what I had, only theories...no one knew the reason**...They are the ones who study so much but they didn't know what was wrong."

"They didn't tell me what was wrong, but they told my husband." "I came in and things were explained poorly ...They did a lot of studies but they didn't find anything and they sent me back home."

"I was very sick to my stomach, couldn't stand up...They explained what they would do but I didn't understand."

Listening to Build Trust

"I had a bad experience with one nurse – my arm was always swollen so my veins would clog. So, they would put in an IV and it would get clogged right away, I asked her not to give me an IV there because it hurt, I tried with what little English I had and said "it hurts". My son was there and said, 'don't you see she says it hurts, don't put it there,' she didn't listen."

"... nurses don't listen to you, they don't give medications on time."

"When one doesn't understand the language, how can you explain – **they don't pay attention to you**." "I felt very poorly, like I was choking. I took the pill and I was choking. I was desperate, I was turning and spinning and I still have back pain from that. The doctor had me do a swallow type study and they did x-rays. They didn't say a thing, not even the nurses...**She made me take pills**..."



Enhancing communication with the care team Ensuring important symptoms are communicated to the team

Expected LOS based on DRG: 9.6 days Actual LOS: 48.75 days

"After the surgery, I had stomach pain and I felt nauseous. I kept complaining. After 4-5 days when my son spoke up, they did more imaging and found a stomach abscess. I needed surgery again."

> Expected LOS based on DRG: 5 days Actual LOS: 23.7 days

"I didn't want more insulin because I wasn't

eating, I kept throwing up but they didn't

listen to me, they didn't want to hear it."

"I had trouble sometimes asking for an interpreter."

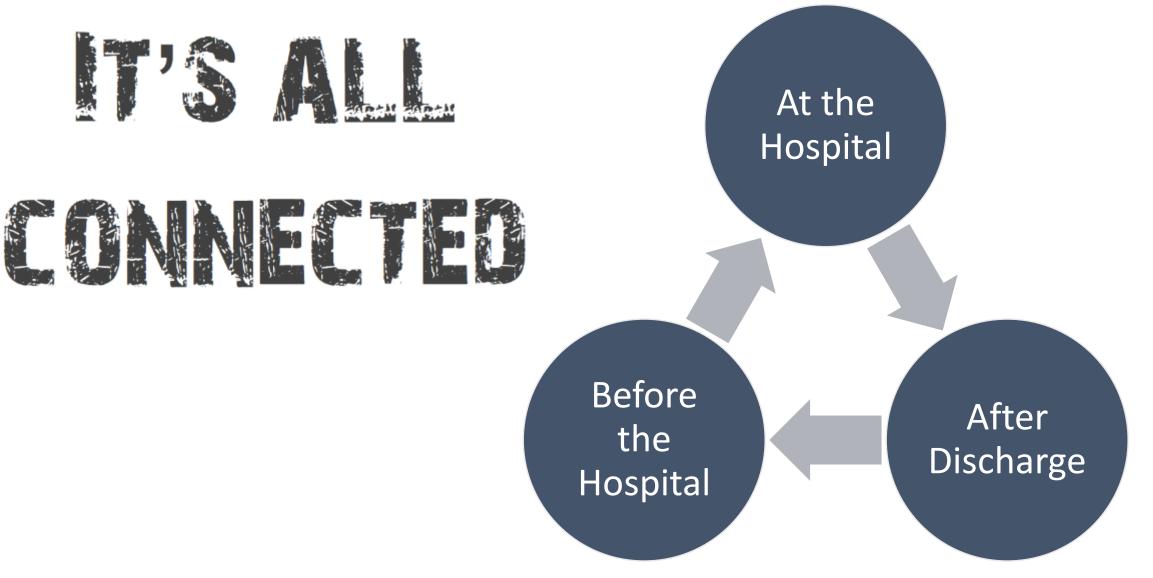
How to care for themselves post DC

"They told her it was a minor issue so they went back home. Then she had a high temp. Weeks went by and she didn't get better. **She was worse.** Her main doctor **never saw her again**." – Family member

"They did a lot of studies, but they didn't find anything, and they sent me back home. Whatever I ate I threw up and I got very sick and I went back to the hospital."

"They just told me to check my blood pressure. I left all the medications they gave me. I didn't want anything to do with that."





Focus of Project Interventions

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Before the Hospital	Partnering with a community clinic and our Community Health Investment team to provide education, increase access to care, and address barriers in the community.
At the Hospital	Providing translated educational materials to build understanding of the disease process, utilizing "teach back" method, and support enhanced communication with the care team. Oversight of the patient's progress towards discharge readiness. i.e., patient mobility (has PT been ordered/done)
After Discharge	 Post discharge follow up calls: New and current medication education, scheduling follow up appointments, medication access, symptoms and signs to look for. Referral to community services such as community clinic and community nurse navigator, if needed.

Introducing our Sepsis Nurse Navigators

Providence Mission Hospital Spanish Interpreter

Histon Hospital

Spanish Interpreter

Schedule 4-5 days a week,

08:00 - 14:30

Providence Macen Hoger

Providence

Mission Hospital

Communication Flyer!

Sepsis Nurse Navigators

Working with Limited English Proficiency Patients (LEP)

The sepsis nurse navigator facilitates the care of an LEP patient with the diagnosis of sepsis across the healthcare continuum.



Promoting optimal outcomes



Preventing readmissions



Patient education



Decreasing length of stay



The coordination of transition of care starts from the time of admission through 30-day post discharge

Call us to help support our LEP Sepsis Patients (949)426-xxxx variable shifts 0800-1430

Mission Hospital



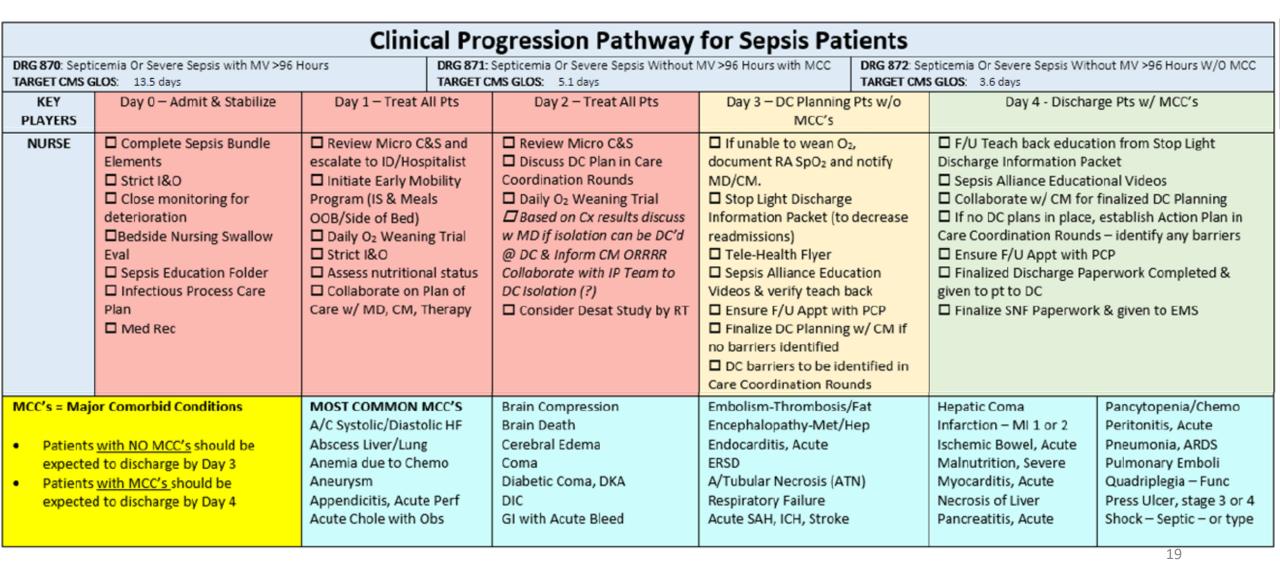
Navigators' workflow – Inpatient

- \checkmark Identify the sepsis patients and add them to the Epic list and Excel tracker
- ✓ Review patients' medical record
- ✓ Check in with case management
- ✓ Check in with bed side nurse, empower, and educate
 - ✓ Are you comfortable using an interpreter to communicate with this patient?
- ✓ Round on new patients:
 - ✓ Confirm patient's insurance or insurance needs, best contact number, and preferred pharmacy
 - ✓ Determine any barriers or unmet needs
 - ✓ Provide referrals or take note of needed resources
 - ✓ Assess patient's knowledge of the sepsis disease process and provide educational handouts in their preferred language
- ✓ Follow up with patient's primary RN to summarize patient interaction and document the encounter on Epic

✓ Perform follow up round on existing patients



Navigators' workflow – Inpatient







Daily Tracker

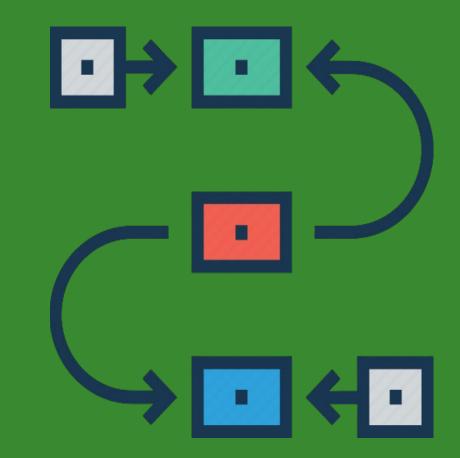
MOST IMPORTANT													
Adm Date	Round Date And Navigator Name	Number of Rounds	Patient Name (Last, First)	MRN	Unit & Room	Language	DC Date	DC Location	Phone number	Insurance	Clinical Indication of Sepsis	Education provided/ Teach back	Community Services Referral

DISCHARGE READINESS													
LACE Score	Organ Disfunction/ Resolved?	Pressors	Lactate trend	Suppl. 02	Stable Cardiac	Fever trend	Electrolytes normal	Cultures assessed	Nutrition Status	Oral abx transition date	Probiotic	Early Mobility	Pain

POST DISCHARGE								
Follow Up Call Dates and avigator Name	Number of Follow Up Call	Re-Education Provided	Follow up Appointment Assistance Provided	Medication Accesses/ Assistance Provided	Medication Education Provided	Referral to Community Services	Notes – Include Info on Referral/Support given if Applicable	

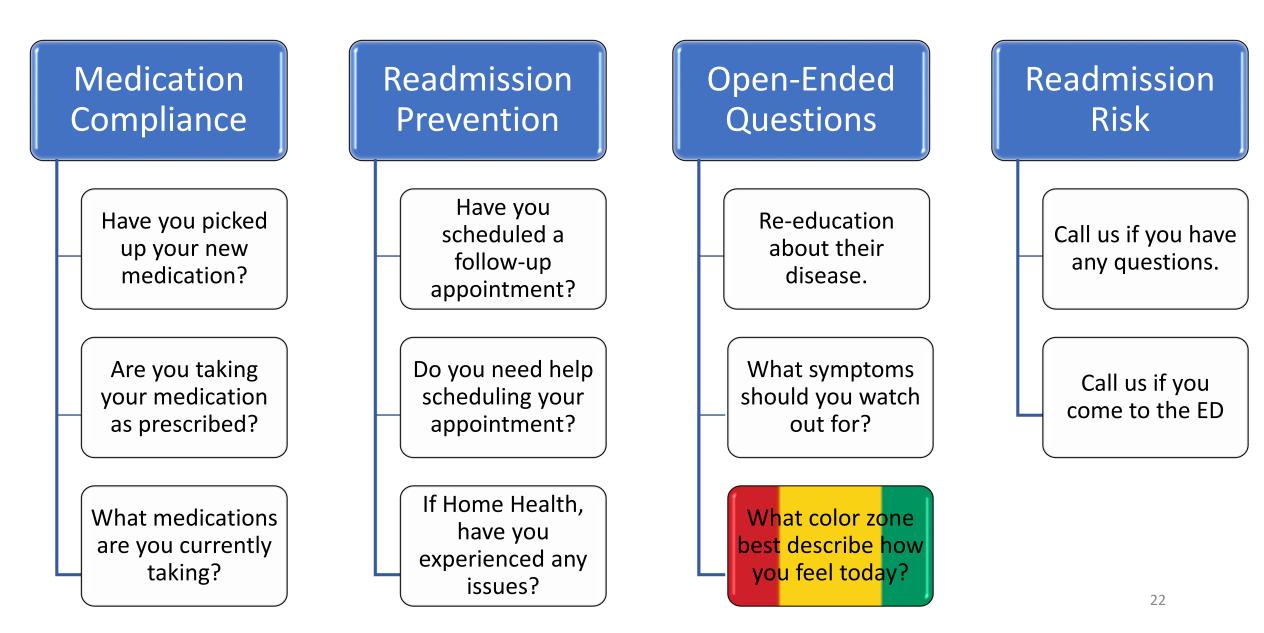
Navigators' workflow – Post Discharge

- ✓ Follow up with patients or family members within 2 days of DC:
 - ✓ Re-education on signs and symptoms
 - ✓ Follow up appointment support
 - ✓ Medication compliance
 - \checkmark New medication education
 - ✓ Referral to community health navigator as needed
 - ✓ Referral to community resources as needed





Navigators' workflow – Post Discharge

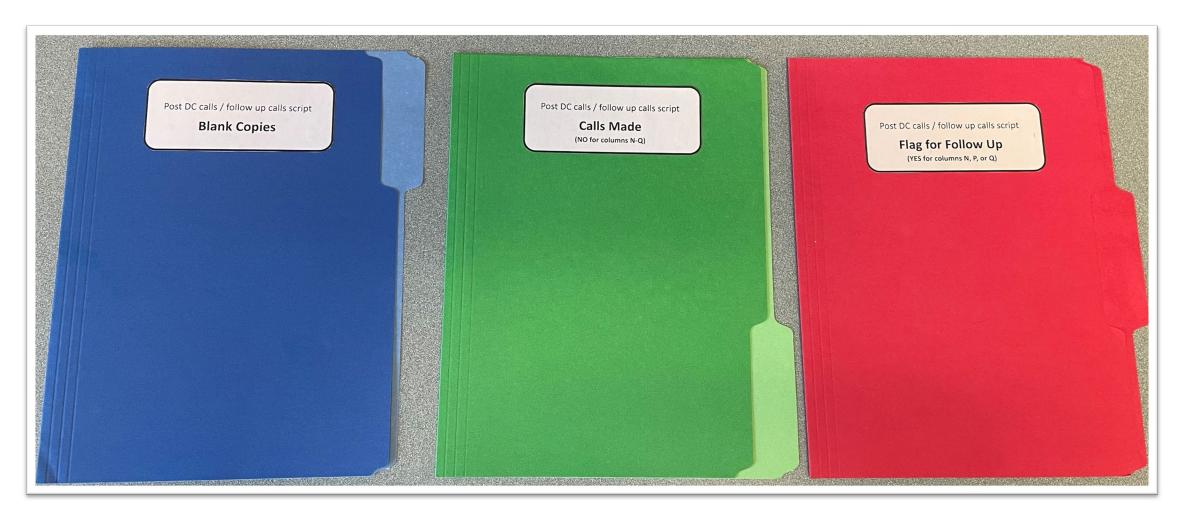


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Navigators' workflow – Post Discharge







SEPSIS

What You Need to Know Patient and Family Education



Mission Hospital achieved the Gold Seal of Approval® and certification by the Joint Commission in Disease-Specific Care of Sepsis



What Is Sepsis?

SEPSIS FACTS

In the U.S.,

people get

sepsis each

million

year.

At least

250,000

<u>Americans</u> each year die from sepsis.

more than 1.5

SEPSIS IS A MEDICAL EMERGENCY

Sepsis is a serious condition caused by the body's exaggerated response to an infection. Common sources of infection are: • Pneumonia

- Urinary tract infections (UTIs)
- Wounds

Abdominal infections (e.g., appendicitis, diverticulitis)
 Not all infections lead to sepsis. However, if an infection goes untreated, bacteria can enter the bloodstream and cause infection to spread to other parts of the body. If this happens, sepsis will be categorized into three stages - sepsis, severe sepsis, and septic shock. If treatment is delayed, there is a possibility of organ failure and death.

WHO IS AT RISK FOR DEVELOPING SEPSIS?

Anyone with an infection can get sepsis. However, certain people are at higher risk: • Older patients

- Children less than one year old
- Post-operative patients
- Patients with a history of diabetes
- Patients with a history of diabetes
 Patients with liver or kidney disease
- Patients with river of kidney disease
 Patients with chronic respiratory diseases
- Patients with cancer or immune disorders
- Patients with cancer of immune disorders
 Patients with implanted medical devices or invasive catheters

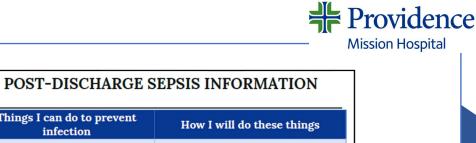
STAGES OF SEPSIS

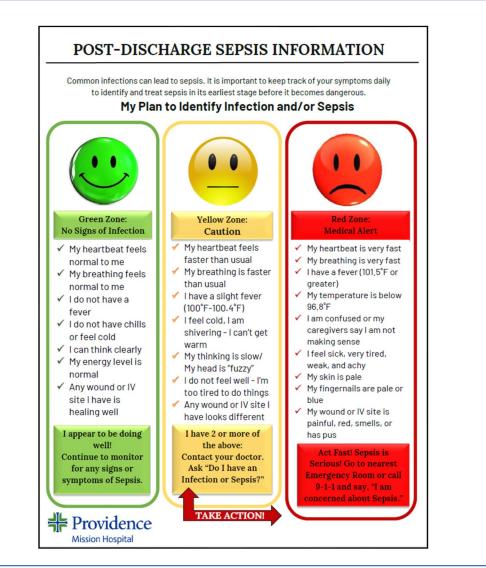
	SEPSIS	SEVERE SEPSIS	SEPTIC SHOCK
Typical unit where care is provided	Medical- Surgical	Medical- Surgical or Intensive Care	Intensive Care
Requiring additional care	20% of patients	30% of patients	50% of patients

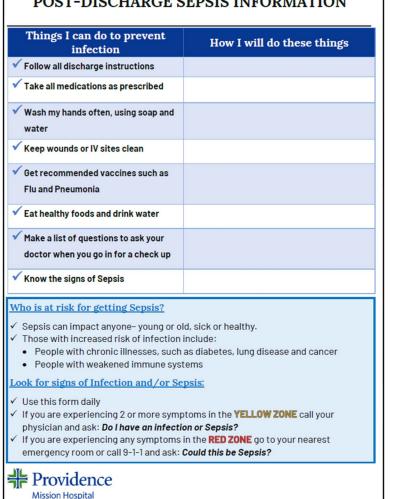
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Providence Mission Hospital

محدوده سبز:

بدون علائم عفونت



红色区域:

医疗警报

Spanish

Simplified

Chinese

绿色区域:

无感染征兆

黄色区域:

警告

Farsi / Persian



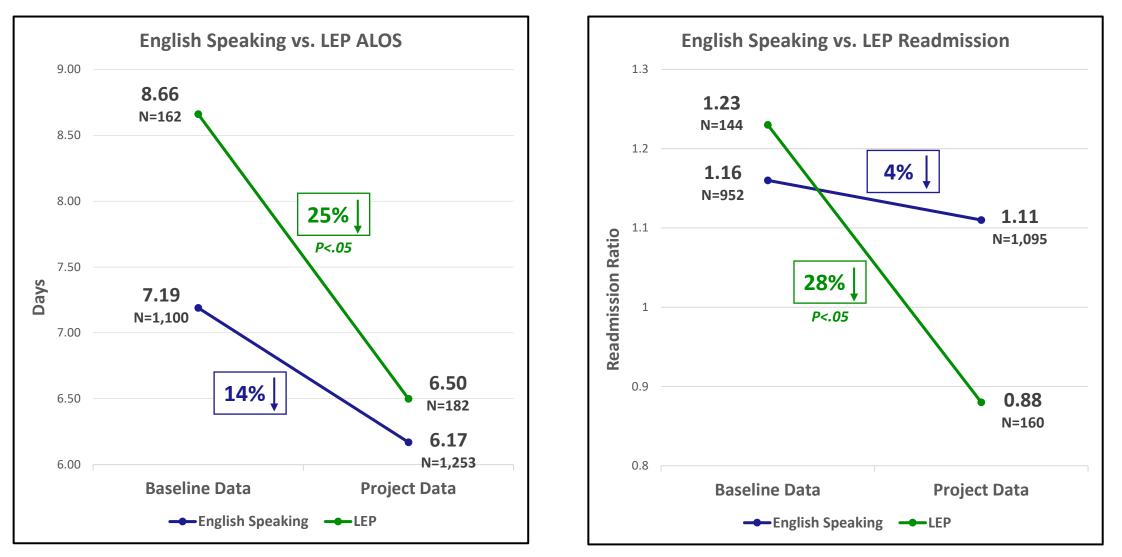
Educational Videos Created in 5 Languages



English	English Spanish		Arabic	Simplified Chinese		

QR codes to access the videos on YouTube

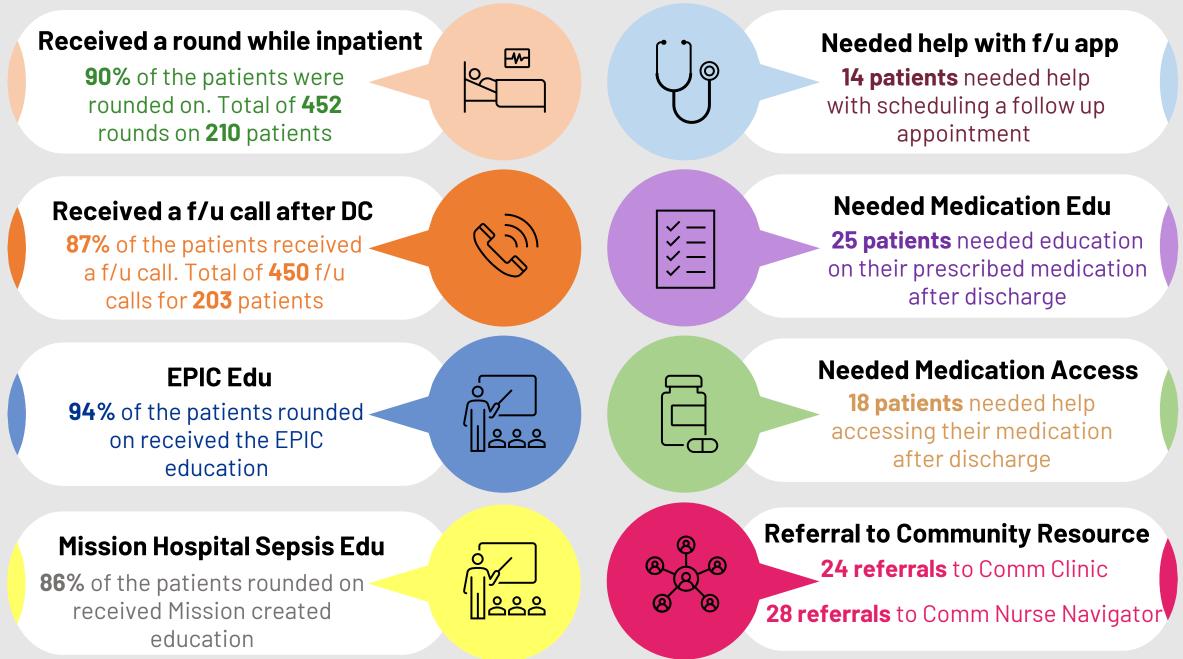
Baseline Data vs. Project Data



Baseline Data: 09/01/2022 - 06/30/2023 Project Data: 09/17/2023 - 06/30/2024 **Providence**

Mission Hospital

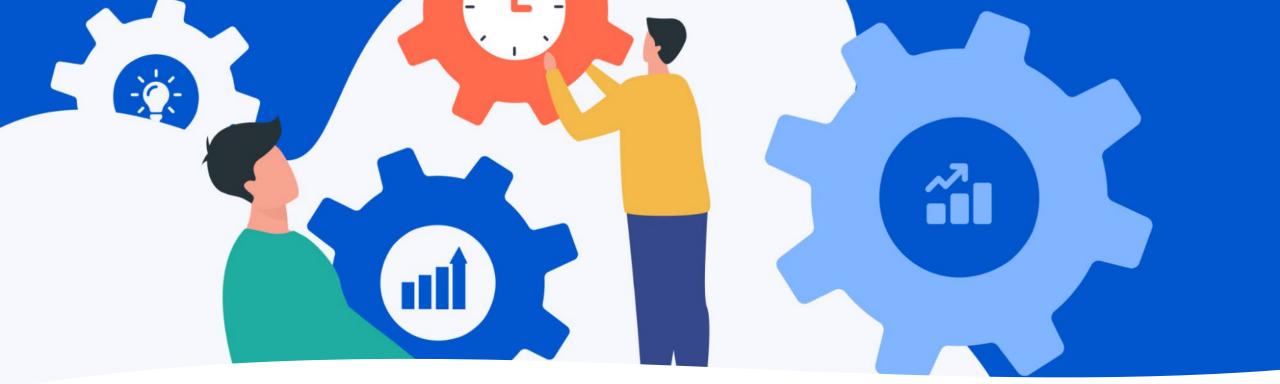
233 patients were followed by our program from 9/17/2023 to 6/30/2024 (10 Months)





Patient Focus Group 2 – April 2024 Spanish Speaking Patients and Family Members





Process:



- We contacted 101 patients who:
 - Were treated for Sepsis as one of their diagnoses since the beginning of our project Received at least one intervention through our project
 - Example: inpatient round, education, follow up call, etc.
- Out of the 101 patients we contacted, 29 patients agreed to join us for a Patient Focus Group
- Out of the 29 who agreed to come, 19 respondents arrived on the scheduled date.

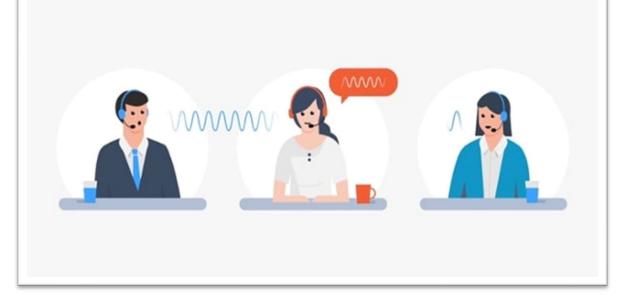
Room Set up

Room 1 – Focus Group Participants and moderators Spanish conversations only

Room 2 – Broadcasting from Room 1

The team and a Spanish interpreter providing simultaneous interpretation







Previously Identified Opportunities for Improvement



Understanding of the disease process



Listening to build trust



Enhancing communication with the care team



Post discharge care



Understanding of their disease process



First Focus Group - Aug 20234

"I went to the hospital because my blood pressure was dropping quite a bit-but **they never told me what I had, only theories...no one knew the reason**...They are the ones who study so much but they didn't know what was wrong."

"They didn't tell me what was wrong, but they told my husband." "I came in and things were explained poorly...They did a lot of studies but they didn't find anything and they sent me back home."

"I was very sick to my stomach, couldn't stand up...They explained what they would do but I didn't understand."

Second Focus Group – April 2024

I was also very well [informed], they used an interpreter in person...The nurses were nice, very kind.

Hispanics don't talk about sepsis much, we don't think it's very common.

Before this, I hadn't heard about sepsis. Three weeks before my hospitalization, I was told I had a vaginal infection, they gave me an antibiotic, but it got worse. They came over to help with my diabetes, they always came over and taught me how to do one thing or another. I can tell you, everyone was great. They gave me the little guides.

Listening to Build Trust



First Focus Group – Aug 20234

"I had a bad experience with one nurse – my arm was always swollen so my veins would clog. So, they would put in an IV and it would get clogged right away, I asked her not to give me an IV there because it hurt, I tried with what little English I had and said "it hurts". My son was there and said, 'don't you see she says it hurts, don't put it there,' she didn't listen." "... nurses don't listen to you, they don't give medications on time."

"When one doesn't understand the language, how can you explain – they don't pay attention to you." "I felt very poorly, like I was choking. I took the pill and I was choking. I was desperate, I was turning and spinning and I still have back pain from that. The doctor had me do a swallow type study and they did x-rays. They didn't say a thing, not even the nurses... **She made me take pills**..."

Second Focus Group – April 2024

The guides explaining to us and the pamphlets that you gave us. The truth is when you came to talk to us, we found out things that the doctor had not told us about. With them [nurse navigators] we could learn a little bit more and get more information that we needed.

A nurse came to see me who was an **expert in** sepsis.

I was in a coma for one month and I appreciate all my life and the attention you gave me and everything you provided... I couldn't walk at the beginning, I couldn't eat...They told me, "I'm here to feed you." [The food] would come out on one side of my mouth and I felt shame. I have a lot of respect for the care.

Enhancing communication with the care team



First Focus Group - Aug 20234

"After the surgery, I had stomach pain and I felt nauseous. I kept complaining. After 4-5 days when my son spoke up, they did more imaging and found a stomach abscess. I needed surgery again."

> They always were available, like Berto [one of the navigators], they always came around to see what I needed.

Second Focus Group – April 2024

They always **kept me in touch** with the process of my surgery, I was always taken care of.

"I had trouble sometimes asking for an interpreter."

"I didn't want more insulin because I wasn't eating, I kept throwing up but **they didn't listen to me**, they didn't want to hear it."

With [the navigators], we were **well informed**.



How to care for themselves post DC



First Focus Group - Aug 20234

"They told her it was a minor issue, so they went back home. Then she had a high temp. Weeks went by and she didn't get better. **She was worse. Her main doctor never saw her again**." – Family member

"They did a lot of studies, but they didn't find anything, and they sent me back home. Whatever I ate I threw up and I got very sick and I went back to the hospital."

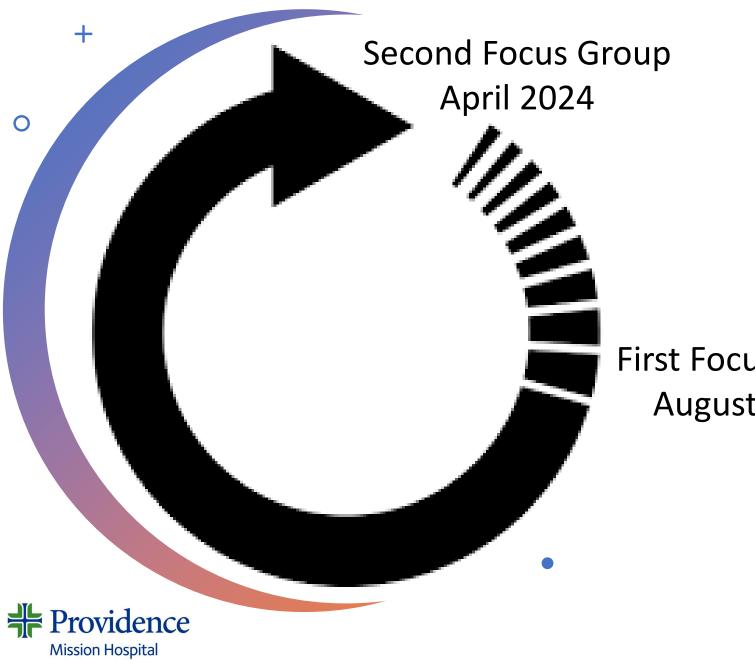
"They just told me to check my blood pressure. I left all the medications they gave me. I didn't want anything to do with that."

Second Focus Group – April 2024

They called me too, and told me that if I felt unwell or uncomfortable I should call.

Yes, they called me and asked if I needed help and to call...Thank you, thank you, thank you for all the help you gave me. Well, they actually called me after I was released, they called me at home.

I finished my antibiotics and saw my doctor because I needed more.



First Focus Group August 2023

Sharing Best Practices

THE ROLE

Nurse navigation or care navigation programs for **any diagnosis** focusing on reduction of length of stay and readmissions

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THE PLAYBOOK

Suggestions to help you provide the most equitable care for patients with limited English proficiency (LEP) with **any diagnosis**



Our Recommendations: The Role

Nurse navigation or care navigation programs for **any diagnosis** focusing on reduction of length of stay and readmissions

> In Person Rounding

> Building trust and enhancing communication between the patient and the care team

Enhanced Education & Teach Back Method

- > Utilizing translated educational packets and/or videos
- > Understanding their disease process and how they may feel at discharge
- > Knowing what signs and symptoms to look for when they go home

Follow Up Phone Calls

- Medication access, compliance and follow up appointment scheduling
- > Accessing care from appropriate resources such as community clinics



Our Recommendations: The Playbook

Suggestions to help you provide the most equitable care for patients with limited English proficiency (LEP) with **any diagnosis**

> Know your LEP patient population; top languages patients in your facilities speak.

> Language = Culture and it's not limited to a simple transaction of exchanging information

> Diversify the workforce and hire qualified bilingual staff based on the top languages

- Concordance between the provider's and the patient's language and culture can improve the patient experience
- > Translate educational materials and important information into your top languages
- > Provide reliable and timely language assistance services and educate your staff
 - Qualified or certified staff interpreters
 - > Dual role interpreters: staff who are also trained to be interpreters
 - > On-demand interpreter services using a reliable vendor:
 - > Over the Phone (OPI) and Video Remote Interpreting (VRI)



