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ABSTRACT

Rates of sexually transmitted infections (STIs) have steadily increased over the last several years. The majority of newly diagnosed STIs are among those aged 15-24 years. There are several complications related to untreated STIs, however many of them present as asymptomatic so many people do not know they have one. One of the best ways to reduce the rate of STIs is to offer education to patients on the importance of testing and most importantly, prevention. Magdalene Clinic is a trauma-informed multidisciplinary clinic for pregnant patients with substance use disorder (SUD). This is a high-risk clinic that sees a high volume of patients with limited visit times, however, there has been an increase in the cases of syphilis infection. This project's primary goal was to create a patient education module that is patient and provider friendly. This module is a short video that will be provided to patients who have evidence of infection with syphilis. Moving forward, additional patient education modules will be created using this platform for other topics such as additional STIs and informed consent.

BACKGROUND

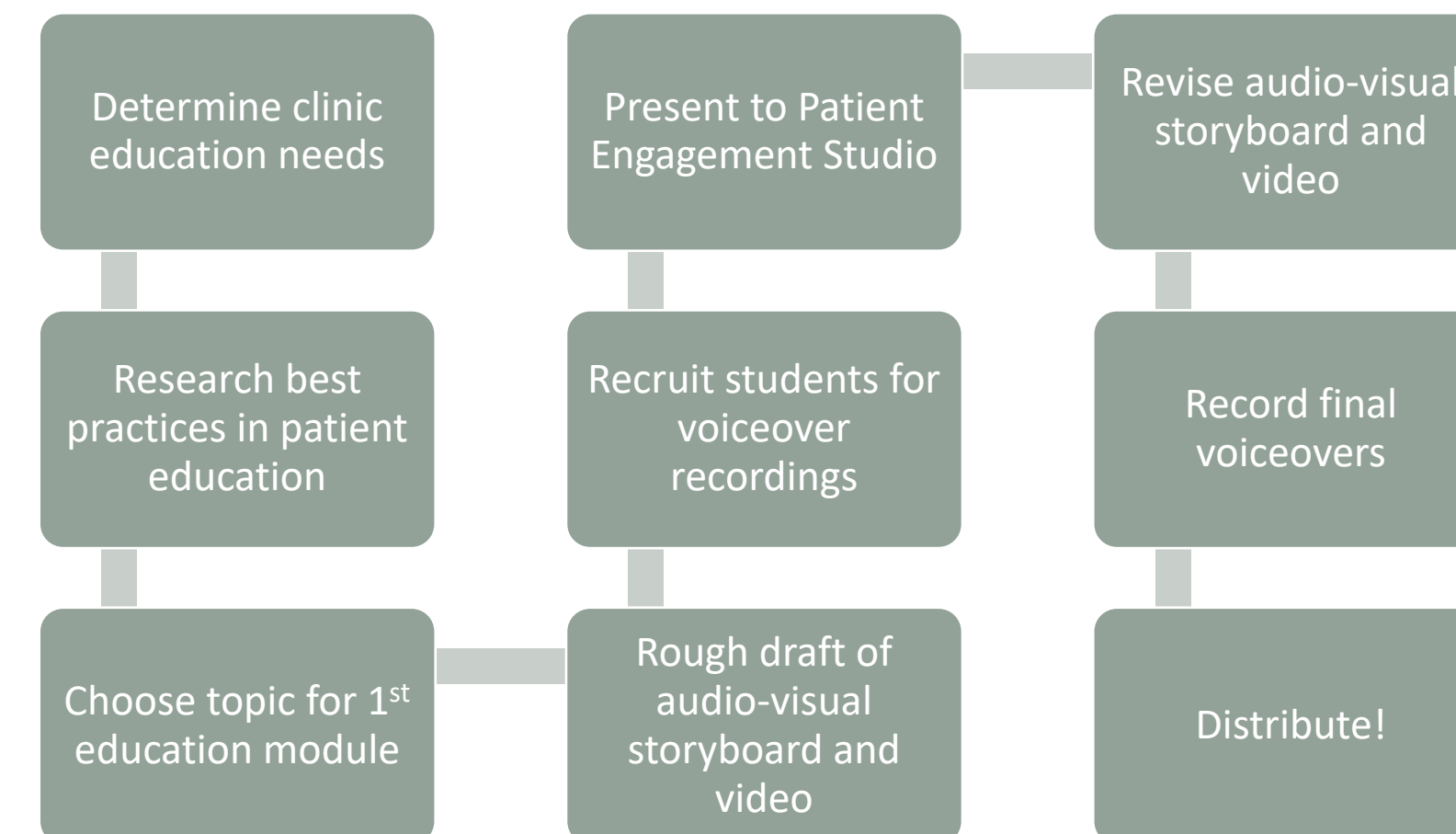
- Nearly 2.5 million Americans had an infection of chlamydia, gonorrhea or syphilis in 2019, an almost 30% increase between 2015 and 2019
- From 2016-2018, rates of chlamydia, gonorrhea and syphilis in pregnant patients increased by 2%, 16% and 34%, respectively
- Untreated STIs have long term health impacts including pelvic pain, infertility and pregnancy complications
- Patient education can be effective at reducing rates of STIs through improving health literacy and reducing stigma associated with having an STI

OBJECTIVES

- PRIMARY**
 - Create a patient and provider-friendly, stigma-free patient education module about the STI syphilis
- SECONDARY**
 - Quantify rates of STIs at Magdalene Clinic
 - Determine screening and treatment recommendations for STIs in pregnancy
 - Conduct narrative interviews with Ob/Gyn department staff to determine current resources and methods for patient education

METHODS

Patient Education Module



Narrative Interviews *Survey administered via REDCap

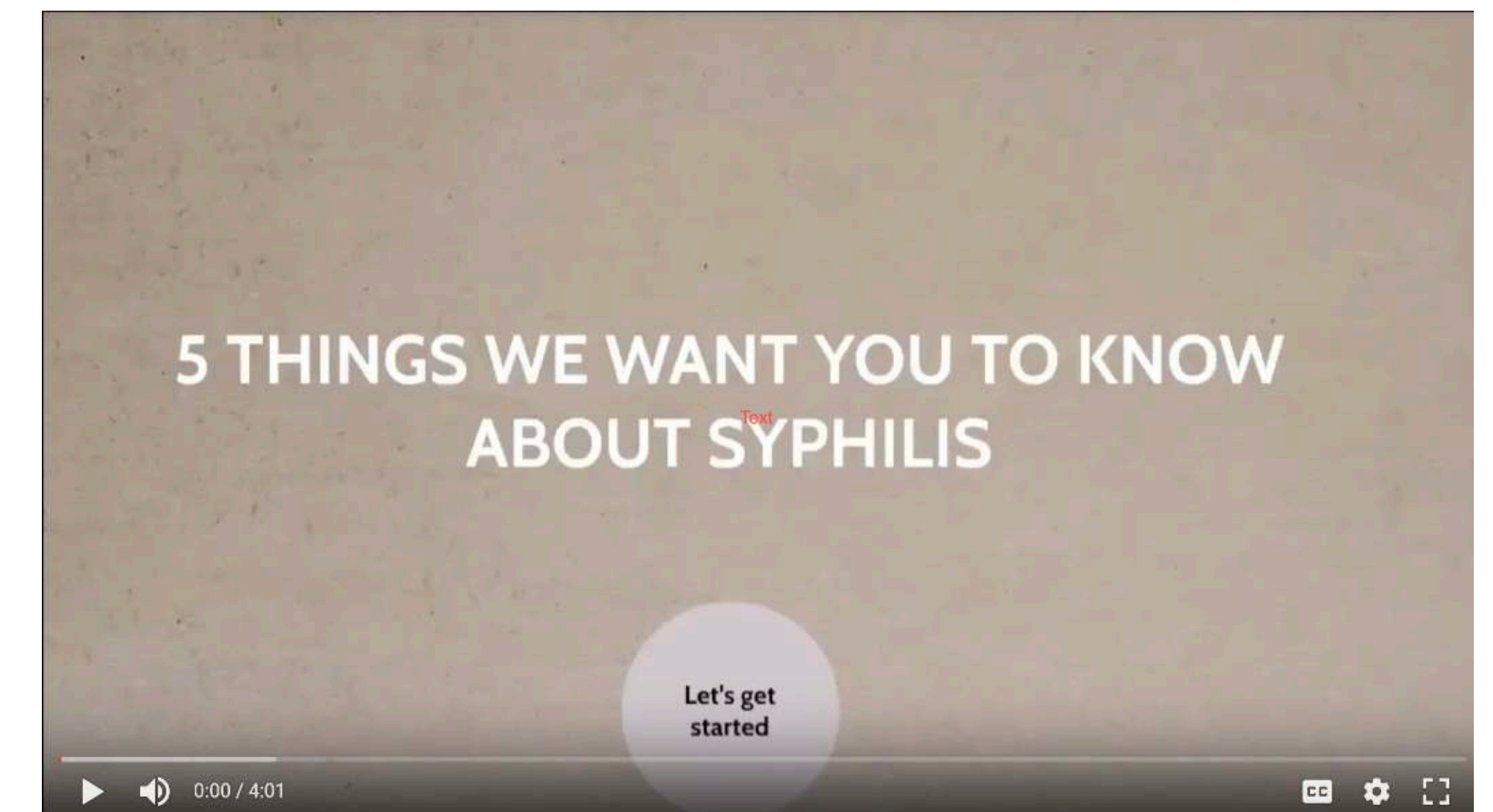
- Please indicate your level of professional training
- On a scale of 1-5 with 5 being extremely well and 1 being not at all, how well do you feel your training program prepared you to provide patient-informed education regarding STIs?
- Please share what resources you rely on to provide patient education about STIs?
- Please share your approach to education a patient with a new STI diagnosis?
- In your opinion, what are some barriers to providing effective patient education in your current practice? What makes providing patient education easier?

RESULTS

Measure	% (count) or mean (range)	
	2018-2021	2018-2022
Any STD		
Total	N=252	N=407
All	51.2% (129)	52.3% (213)
STD Breakdown		
Total	N=129	N=212
Hepatitis C	48.1% (63)	40.1% (85)
Trichomoniasis	31.0% (40)	34.4% (73)
Herpes	20.2% (26)	18.9% (40)
Chlamydia	17.1% (22)	18.9% (40)
Gonorrhea	6.2% (8)	9.0% (19)
HPV	3.1% (4)	3.3% (7)
Hep A	2.3% (3)	1.9% (4)
Hep B	1.6% (2)	0.9% (2)
Syphilis	1.6% (2)	5.2% (11)
HIV/AIDS	0.8% (1)	1.9% (4)

Table 1. 2018-2022 STI infection data from Magdalene Clinic.

RESULTS



Overview

Project: Syphilis Patient Education
 Video Title: What your care team wants to share with you about syphilis
 Estimated duration: 2-4 min
 Production team members: Kelcy Jackson
 Stakeholders: Magdalene Clinic, high risk OB patients

Timeline

October 2021-May 2022 |

Learning Objectives

At the end of this lesson, the learner will be able to:

- LO1: Describe what syphilis is and how it is transmitted
- LO2: Describe the stages of syphilis
- LO3: Describe how syphilis is diagnosed and when it is tested for during pregnancy
- LO4: Describe treatment for syphilis and how to prevent re-infection
- LO5: Gain confidence in discussing sexual health and reduce stigma against having an STI

CONCLUSIONS

- Patient education is vital to improving health outcomes
- Research has shown that visual methods of education are most effective
- The practice of patient education varies widely among clinicians

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