

Summer Research Experience in Family Planning: Complex Contraception, Abortion, and HIV Prevention

Licia Bravo SUMR 2021

Mentors



Dr. Sarita Sonalkar

Assistant professor of obstetrics and gynecology and co-director of the fellowship in family planning at Perelman



Dr. Courtney Schreiber

Professor of human behavior and reproduction and the chief of family planning division at Perelman. She is also the director of PEACE



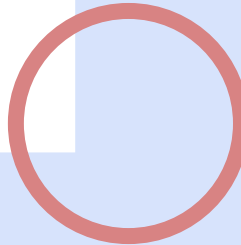
Arden McAllister

Research program manager of Penn medicine's division of family planning.

Peace: Family Planning and Pregnancy Loss Services



PEACE	Mission	Services
<p>Pregnancy Early Access Center</p>	<p>PEACE provides access to comprehensive and compassionate care for individuals and families seeking family planning care and management of pregnancy complications</p>	<ul style="list-style-type: none">● Early Pregnancy Concerns● Contraception● Comprehensive Miscarriage Care● Abortion Care





PrEP Provision in Family Planning Settings: A Scoping Review

PrEP

- Pre-exposure Prophylaxis
 - Medication taken by individuals to prevent the spread of HIV in those who have not been exposed to it
- Daily oral PrEP was FDA approved in 2012
 - Truvada and Descovy
- Can decrease the risk of contracting HIV by 99%
- Women are 20% of new HIV cases in the U.S. every year
 - Less than 5% of PrEP users are women
- 60% of young women use family planning for sexual health and reproductive services



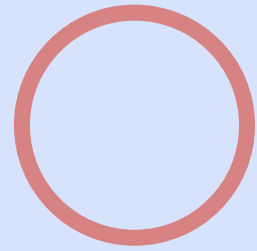
Project 1 Overview

PrEP provision in family planning setting: a scoping review

- Project Goal: identify the types of evidence that exists in relation to the provision of PrEP in family planning settings and to identify gaps of knowledge within this topic
- Working with Dr. Sarita Sonalkar and Sanjana Satish
- My role: Develop/conduct the search strategy, review articles, write scoping review

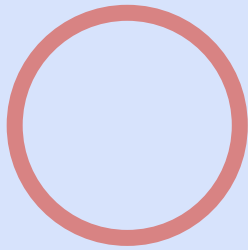


Significance



- Scoping review : To map the literature on a specific topic to try to find key concepts, gaps in knowledge, and types of evidence to inform practice, policymaking, and research
- Lack of research for this population





Search strategy

- Librarian help
- Learn search strategies for different databases
 - Pubmed, Embase, Scopus, Cinahl, Web of Science,

Methods

06/29/2021

Pubmed: (Pre-Exposure Prophylaxis[MeSH] OR "Pre-exposure prophylaxis" OR "Preexposure prophylaxis" OR "Pre exposure prophylaxis" OR "Prep" OR "truvada" OR "Emtricitabine" OR "Tenofovir" OR Tenofovir[MeSH] OR Emtricitabine [MeSH] OR "descovy") AND (Family planning services [MeSH] OR "Family planning" OR Contraception[MeSH] OR "contracept*" OR induced abortion[MeSH] OR "abortion" OR "International Planned Parenthood Federation"[Mesh] OR "planned parenthood") (329 results)

Embase: ('pre-exposure prophylaxis'/exp OR 'pre-exposure prophylaxis' OR 'emtricitabine plus tenofovir disoproxil'/exp OR 'emtricitabine plus tenofovir disoproxil' OR 'emtricitabine plus tenofovir alafenamide'/exp OR 'emtricitabine plus tenofovir alafenamide' OR 'emtricitabine'/exp OR emtricitabine OR 'tenofovir'/exp OR tenofovir OR 'tenofovir disoproxil'/exp OR 'tenofovir disoproxil') AND ('family planning'/exp OR 'family planning' OR 'contraception'/exp OR contraception OR 'induced abortion'/exp OR 'induced abortion' OR 'abortion'/exp OR abortion OR 'planned parenthood' OR (planned AND ('parenthood'/exp OR parenthood))) (604 results)

Scopus: TITLE-ABS-KEY ("family planning" OR "contraception" OR "abortion" OR "family planning services" OR "planned parenthood" OR "induced abortion" OR "International Planned Parenthood Federation") AND TITLE-ABS-KEY ("pre-exposure prophylaxis" OR "preexposure prophylaxis" OR "pre exposure prophylaxis" OR "truvada" OR "Emtricitabine" OR "Tenofovir" OR "descovy") (427 results)
*note: This database has secondary papers.

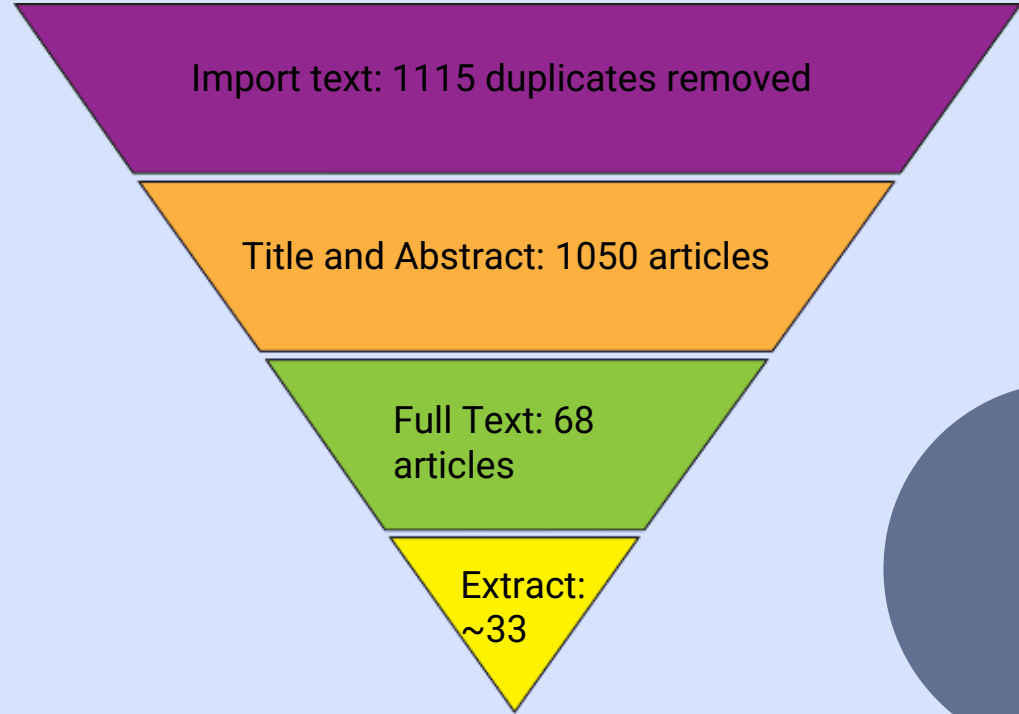
CINAHL: ((MH "Pre-Exposure Prophylaxis") OR (MH "Tenofovir+") OR (MH "Emtricitabine+") OR "pre-exposure prophylaxis OR prep OR preexposure prophylaxis OR Truvada OR Emtricitabine OR Tenofovir") AND((MH "International Planned Parenthood Federation") OR (MH "Family Planning+") OR (MH "Planned Parenthood Federation of America") OR (MH "Contraceptive Agents+") OR (MH "Contraceptive Devices+") OR "family planning" OR "contraceptive method" OR "contraception" OR "abortion" OR "Planned Parenthood") (180)

Web of Science: (family planning or contraception or abortion or planned parenthood) AND (pre-exposure prophylaxis or prep or preexposure prophylaxis or Truvada or Emtricitabine or Tenofovir) (365 results when searched with ALL FIELDS; 229 results when searched with TOPIC)

Methods cont.

Covidence

- Reviewers independently screen literature search results and select articles that follow the inclusion criteria
 - Women of reproductive age, seeking care in family planning clinics, U.S. clinics and settings, assessing PrEP prescription/ uptake or perceptions



Methods

Scoping Review

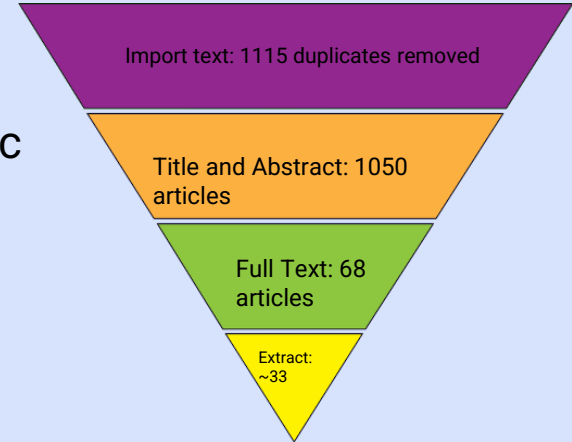
- Collaboratively write the scoping review



Findings



- Project is still ongoing
- Lack of research concerning this specific population
- Learning a lot from articles, even if they were excluded





Project 2: Case.4.CF

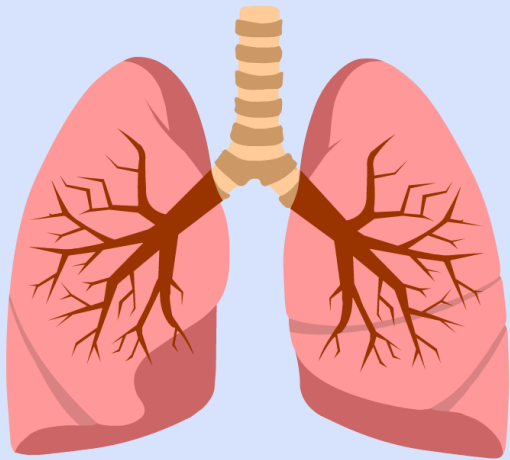


Project 2 Overview

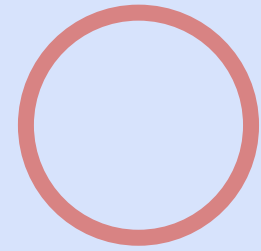
Assessment of Contraceptive Safety and Effectiveness in Cystic Fibrosis: A Retrospective Analysis

- Online survey with self-reported data from women between the ages of 18-45 with Cystic Fibrosis(CF)
- Project Goal: To examine the safety and efficacy of birth control for women with CF
- Eventually lead to better sexual and reproductive healthcare
- Role: Finalizing list of eligible women; recruitment



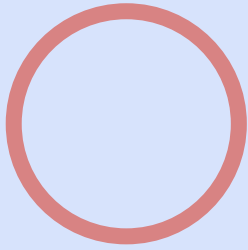


Significance



- Cystic Fibrosis: Recessive genetic disorder that affects ion transport in exocrine glands
- New medications and technology are helping women with CF live longer, healthier lives, esp at reproductive age
 - CFTR modulator and TRIKAFTA modulator
- Current cystic fibrosis foundation patient registry only asks one question when it comes to reproduction for women with CF
 - “Was the patient pregnant during the reporting year?”
- Important to gain more information about the safety and efficacy of the different birth control options so that CF providers can feel prepared to deliver effective birth control

Methods



List

- Inclusion criteria: Women with CF ages 18-45 who have not had a transplant



REDCap

- Participants were sent automated emails once a week with a link to the eligibility sheet and survey



Recruitment

- Update list of completed survey
- Make calls to those who have not started or to those who have incompletd surveys

Findings

Case.4.CF

- Still ongoing
- Goal of finished surveys: 64
- Finished Surveys today: 66





De-Identified Student Health Abortion Referrals



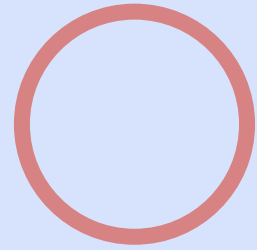
Project 3 Overview

DEIDENTIFIED Student Health Abortion Referrals

- Purpose of this study was to identify college health center's referral patterns for students seeking induced abortions
- Role: de-identify transcripts, help code the results



Significance



- Family planning services are extremely important for this population (college students) but they are rarely given access to high-quality abortion referrals
- Student health centers on college campuses are critical for providing health care to students who are often in between care
 - Pediatrician vs Adult primary care physician
 - Often away from home





Methods



Calls

- Researcher posing as a student called 4- year Universities in Pennsylvania twice
 - Posing as a student under and over 18
 - Documented the transcript



Codebook

- Based on the responses generated, a codebook was made to organize the responses



nVivo

- Using nVivo, researchers independently organize the responses via the codebook

Findings

Abortion Referrals

- Still ongoing
- Able to see the various different responses from school health centers
- Barriers to referrals:
 - Religion
 - Personal belief
 - Institutional barriers
 - Lack of knowledge



Lessons Learned



From Scoping Review

- Search strategy
- Professional writing and presentation skills



From Case.4.CF

- Professional phone calls for recruitment



From Abortion Referrals

After seeing the responses from different health care providers, it's given me more insight into what type of health care professional I want to be

- coding



From mentors

- Different pathways to medicine
- Help with my own academic and career goals



Acknowledgements

- Arden McAllister, Sarita Sonalkar, Courtney Schreiber
 - PEACE
 - Joanne Levy
 - SUMR Cohort

Any Questions?

