



Contraceptive Preferences of Women Presenting for Abortion

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Research Questions

What features of contraception are preferred among women at risk for future unintended pregnancy?

How well do contraceptive methods satisfy women's contraceptive preferences?

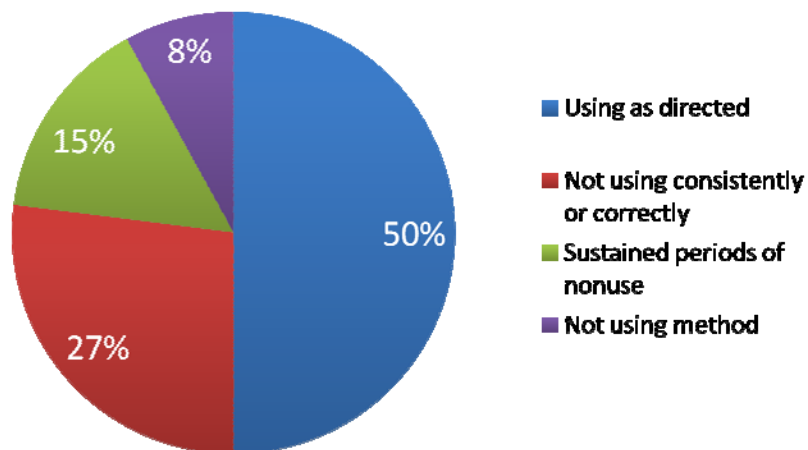
Public Health Concerns

- 4 out of 10 women are not satisfied with their contraception.
- Women not satisfied with contraception are more likely to experience gaps in protection.
- Women with periods of inconsistent use are twice as likely to have an unintended pregnancy as those who consistently use a method.
- 50% of women between the ages of 15-44 years will have at least one unintended pregnancy in their life.
- Women with a history of abortion are at a higher risk for future unintended pregnancy.

Frost, 2008; Guttmacher, 2008; Prager 2007

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Contraceptive Use Patterns Among Women Seeking to Avoid Pregnancy



Guttmacher, 2008

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Previous Findings

Attitudes about Sustaining Use of Birth Control

- It is hard to take pills everyday
- Lack of trust in partner to use protection
- Worried about side effects of birth control
- Partner does not want to use birth control

Sable, 2000; Under, 1998

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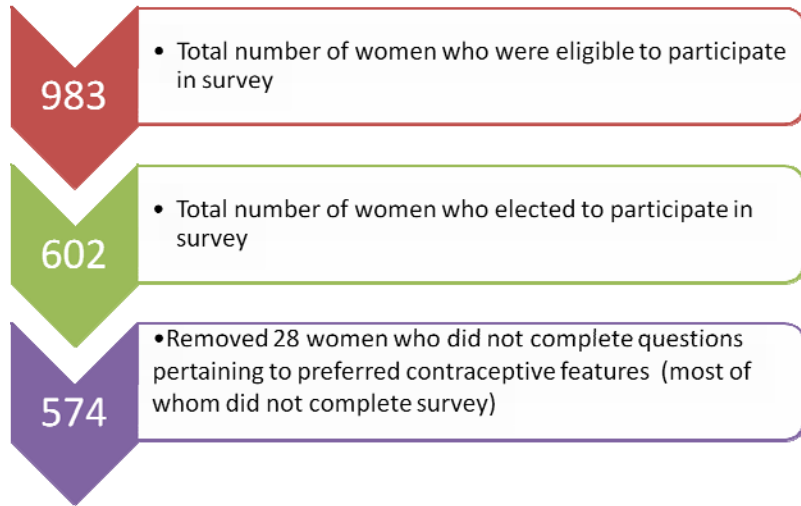
Study Design

- UCSF Contraceptive Attitudes Survey, 2010
 - Principal Investigator: Diana Greene Foster, PhD
- Women presenting for abortion
- 6 clinic sites- Illinois, New Jersey, Arkansas, Washington and California
- Computer surveys taken at clinic



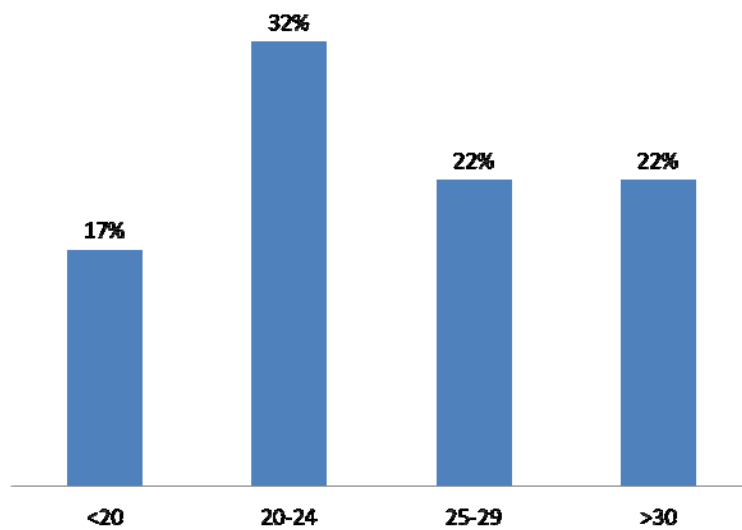
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Study Population



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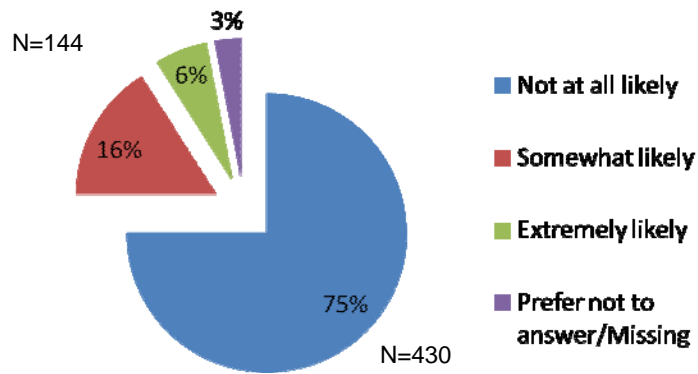
Age



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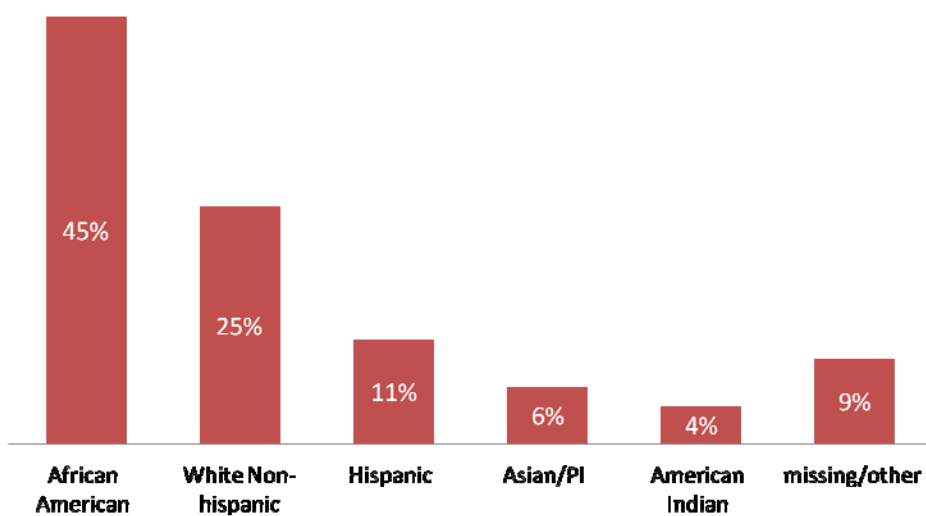
Likelihood of future unprotected intercourse (UI)

“In the next 3 months, how likely is it that you will have sex without using any method of birth control? “



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Race/Ethnicity



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Contraceptive Features:

- 18 characteristics
- Possible Answers: Extremely Important, Somewhat Important, Not at all Important, Prefer not to answer

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- **Stopping the method:**
I can stop using the method at any time.
I can get pregnant immediately after I stop.
- **Using the method:**
The method is easy to use.
I don't have to remember the method with sex.
I use the method only when I have sex.
- **Getting the method:**
The method is easy for me to get.
The method is affordable.
I can get the method without seeing a doctor.
- **Side effects or health concerns:**
The method has few or no side effects.
The method does not detract from my/partner's sexual enjoyment.
The method has a health benefit.
The method protects against STI's.
The method does not change my menstrual periods.
The method is very effective at preventing pregnancy.
- **Control and Privacy:**
I am responsible for using the method and not my partner.
I have control over when and whether to use the method.
No one can tell I'm using the method.

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Analysis

Contraceptive Method/Feature Matching

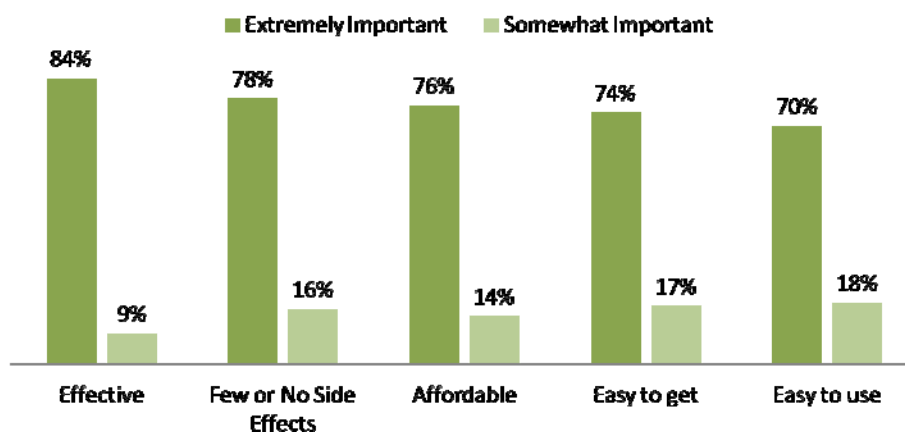
- Match women's contraceptive preferences with contraceptive methods to determine which methods are a "good match"
- Included methods that are currently being researched

Logistic Regression

- Determine if Contraceptive Preferences differ based on likelihood of Future Unprotected Intercourse (UI)
- Adjusted for demographic variables

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Top 5 Important Contraceptive Features



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Contraception Methods included in Evaluation

Currently Available

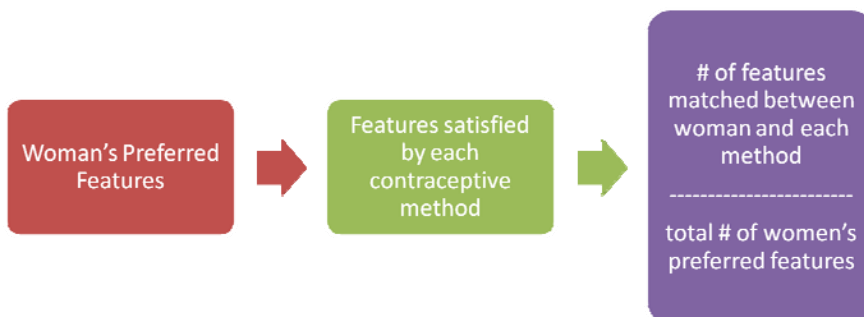
- ring
- sponge
- emergency contraception
- diaphragm
- patch
- oral contraceptives
- intrauterine contraceptives
- injectable contraceptive
- contraceptive implant
- sterilization
- condom
- withdrawal

Not Yet Available

- over-the counter oral contraceptive pill
- over-the counter pericoital oral contraceptive pill
- over-the counter diaphragm
- pericoital oral contraceptive
- home-removable intrauterine contraceptives

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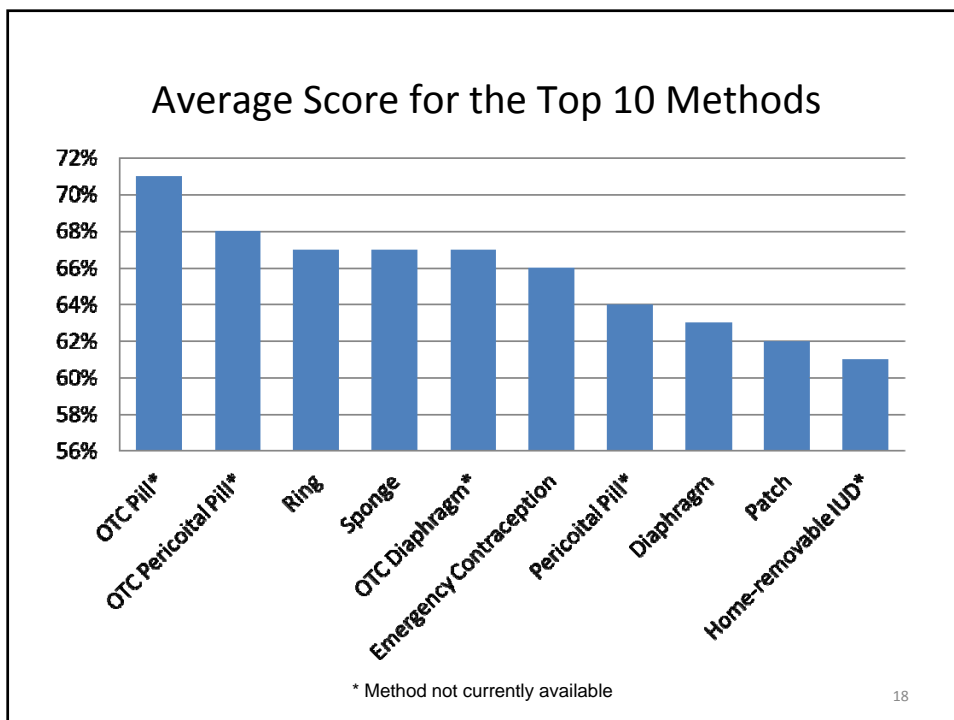
Matching Method/Preferences Analysis



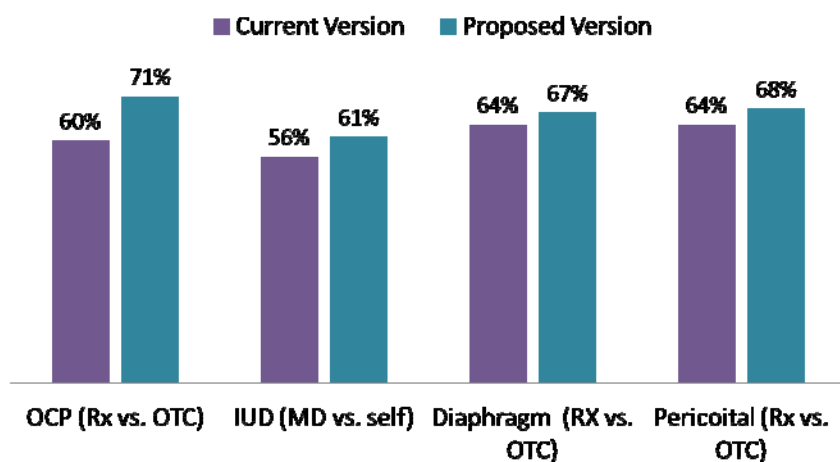
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Contraceptive Features	Woman A	Condoms	Pills
I can stop using the method at any time.		x	x
I can get pregnant immediately after I stop using it.		x	x
I don't have to remember to use the method each time I have sex.	X		X
The method doesn't detract from my sexual enjoyment.	X		X
The method doesn't detract from my partner's sexual enjoyment.	X		X
The method is very effective at preventing pregnancy.			x
I am responsible for using the method and not my partner.	X		X
I have control over when and whether to use method.		x	x
No one can tell that I'm using the method.	X		X
The method has a health benefit.			x
The method is easy to use.			
I use the method only when I have sex.		x	
The method is easy for me to get.		x	
I can get the method without seeing a doctor or going to a clinic.		x	
The method has few or no side effects.	X	x	
The method protects against STI's.	X	x	
The method does not change my menstrual periods.	X	x	

Condom Score: 3/8= 37.5% Match Pill Score: 5/8= 62.5% Match 17

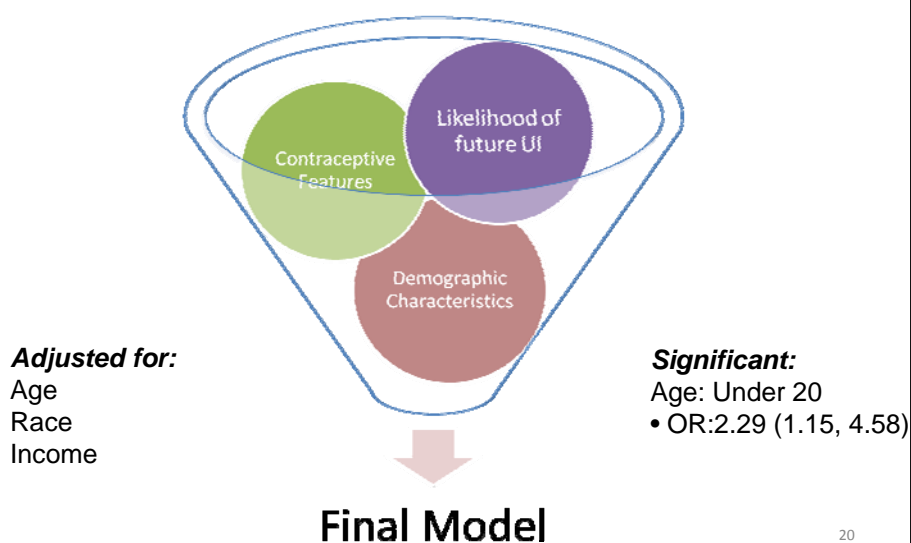


Current Methods vs. Proposed Methods



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Multivariable Logistic Regression



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Results:

Association between Likelihood of Future UI and Preferred Contraceptive Features

Features	Odds Ratio	95% CI
No one can tell that I'm using the method.	2.11	(1.17 – 3.78)
The method is very effective at preventing pregnancy.	0.40	(0.19- 0.83)
The method is affordable.	0.41	(0.20- 0.83)

P-value: $\leq .05$

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Contributions to Literature

- **Study sample**
 - Women with a history of abortion are not often evaluated.
 - Diverse sample- 50% below age 24, 75% below 200% FPL
- **Preferences**
 - Extensive list of contraceptive features
 - Preferences of total and higher risk subset
- **Analysis**
 - New Method/Feature Matching System

Guttmacher, 2006

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Limitations

- Self-assessed risk of future UI
- Generalizable only to women who chose abortion to end unintended pregnancy
- Possible misclassification of UI as some women may have understood it to mean unprotected from STD's

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Next steps

- Inform policy makers and advocates about ways to improve contraceptives and delivery systems
 - Make methods available OTC
 - Subsidize cost of method
 - Fund contraceptive technology research to improve efficacy of methods used only with sex
- Evaluate and standardize Contraceptive Feature/Method Match Table
 - Evaluate table for use in contraceptive technology and health care access fields

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SPH, Maternal and Child Health Faculty and Staff at UC Berkeley



IUD Features

Contraceptive Features	IUD
I can stop using the method at any time.	<input checked="" type="checkbox"/>
I can get pregnant immediately after I stop using it.	X
I don't have to remember to use the method each time I have sex.	X
The method doesn't detract from my sexual enjoyment.	X
The method doesn't detract from my partner's sexual enjoyment.	X
The method is very effective at preventing pregnancy.	X
I am responsible for using the method and not my partner.	X
I have control over when and whether to use method.	<input checked="" type="checkbox"/>
No one can tell that I'm using the method.	X
The method has a health benefit.	X
The method is easy to use.	X
I use the method only when I have sex.	
The method is easy for me to get.	
I can get the method without seeing a doctor or going to a clinic.	<input checked="" type="checkbox"/>
The method has few or no side effects.	<input checked="" type="checkbox"/>
The method protects against STI's.	
The method does not change my menstrual periods.	