Accelerating innovation by daring to be different



May 20, 2019



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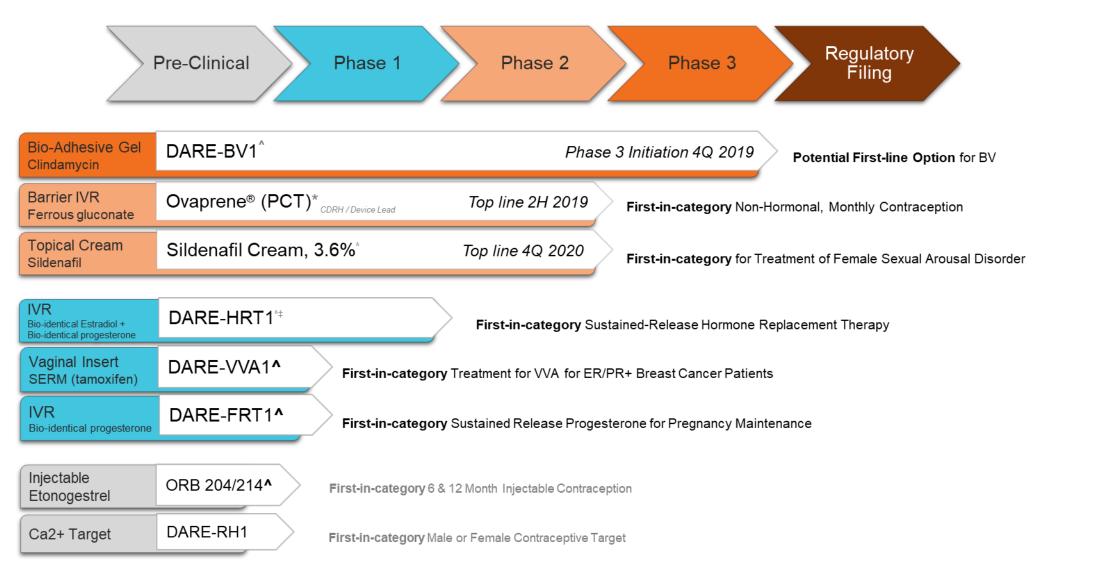
Vision: To become the premier innovation accelerator in women's health.

Mission: We achieve this by identifying, unlocking and advancing candidates with potential to be first-in-category, address persistent unmet needs, and promote a better quality of life for women.



Daring to be different

- A pure play biopharmaceutical company focused on improving the health and well being of women. Our focus areas include:
 - Contraception / Pregnancy Prevention
 - Sexual Health
 - Vaginal Health
 - Fertility
- **<u>Partnering is core</u>** to our licensing and value creation strategy:
 - Product candidates that are commercially viable and attractive to strategic partners
 - Candidates that have a data package including a proof-of-concept and/or the ability to leverage a 505(b)(2) regulatory pathway
 - Candidates with the potential to be first-in-category that address persistent unmet needs in women's health
 - The ability to deliver products in a more personalized way for women



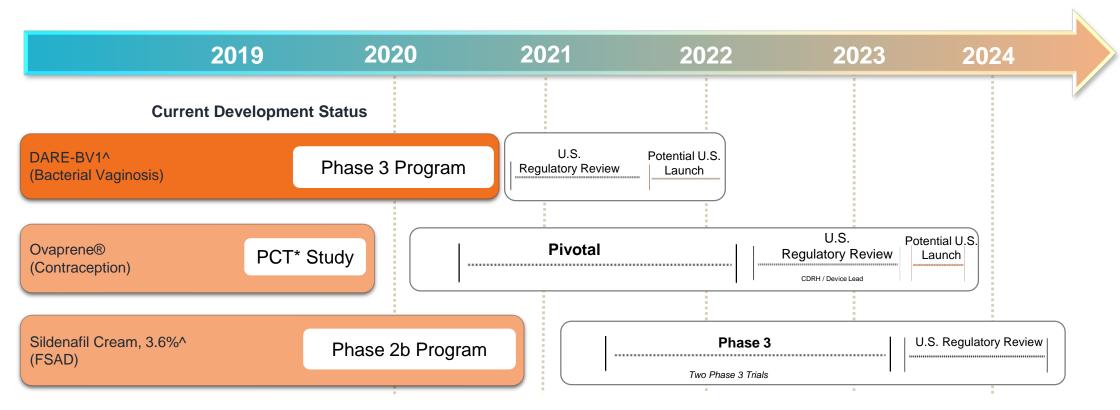
Accelerating early-stage clinical programs with collaborations and non-dilutive funding whenever possible

Timeline reflects management's current estimates and constitutes a forward looking statement subject to qualifications elsewhere in the presentation. Actual development timeline may be substantially longer, and Daré is under no obligation to update or review this estimate. "First-in-category" designations are forward looking statements based on currently available, FDA approved therapies.

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Portfolio Timeline Overview



Timeline reflects management's current estimates and constitutes a forward looking statement subject to qualifications elsewhere in the presentation. Actual development timeline may be substantially longer, and Daré is under no obligation to update or review this estimate.

^505(b)(2) regulatory pathway anticipated.*Ovaprene Post Coital Test (PCT) is a pre-pivotal clinical study.

DARE-BV1 Clindamycin 2% gel for Bacterial Vaginosis

daré bioscience



DARE-BV1 Overview

Bacterial Vaginosis (BV)

Successful Proof of Concept

- Vaginal application of DARE-BV1 (clindamycin phosphate 2%) demonstrated effectiveness against BV in a proof-of-concept investigator initiated study in women (n=30):¹
- 86% of evaluable subjects met clinical cure endpoint at Test-of-Cure visit after single dose administered
- Favorable efficacy profile over currently approved treatments

505(b)(2) Regulatory Pathway

• Single Phase 3 clinical trial planned for FDA approval

Attractive Market Opportunity

- BV is the most common vaginal infection in women ages 15-44²
- U.S. prevalence estimated to be ~21 million among women ages 14-49²
- Approved prescription drugs have less than optimal clinical cure rates (37-68%)³
- Opportunity for significant upside and market expansion

Patent Coverage

- Patents covering the licensed technology have been granted with terms through 2028
- Additional patents pending would have terms through 2035

1. Data on file

2. https://www.cdc.gov/std/bv/stats.htm

Gel Delivery Technology

Features	Description	Innovative Product Profile
In-Situ Gelation	Undergoes solution to gel (sol-to-gel) transition using body temperature as the trigger	 Allows product to be easily and directly placed at the site of infection Increased viscosity following application keeping the product at the site of application
Sustained-Erosion	Platform can be optimized to erode over a period of hours to multiple days	 Designed for a dual-release pattern providing maximal exposure time and amount of drug at the site of action Allows optimization of dosing duration for clindamycin – a time dependent antibiotic
Bio-Resorption and Adhesion	Hydrophilic ingredients are compatible with a variety of APIs	 Reinforces ability of product to bio-adhere at the site of application Eliminates need to remove product following completion of treatment regimen



Bacterial Vaginosis

DARE-BV1 Investigator Initiated Proof of Principle Study Design

Study Objective: Study the Efficacy and Safety of DARE-BV1 in the Treatment of Bacterial Vaginosis (n = 30)

Day 1	Day 7 - 14	Day 21 - 30
Baseline Visit	Test-of-Cure Visit	Continued Clinical Response Visit
 Single dose administered 	Patients questioned regarding comfort level & re-examined	Patients questioned regarding experience & re-examined
Tests Performed:	Tests Performed:	Tests Performed:
• Physiological symptoms	• Physiological symptoms	• Physiological symptoms
• pH	• pH	• pH
• Saline "wet mount"	• Saline "wet mount"	• Saline "wet mount"
• 10% KOH "whiff test"	• 10% KOH "whiff test"	• 10% KOH "whiff test"
• Urine pregnancy (if needed)	• Urine pregnancy (if needed)	• Urine pregnancy (if needed)

- Eligibility: Female subjects 18 years or older with confirmed clinical diagnosis of BV
- Primary Endpoint: Clinical Cure at Test-of-Cure visit (defined as resolution of clinical findings from baseline visit);
- Secondary Endpoints: Proportion of patients with therapeutic and bacteriologic cures,^{1,2}
- Safety: Patients were questioned about their comfort level and adverse reactions they experienced.



Bacterial Vaginosis

DARE-BV1 Investigator Initiated Proof of Principle Study Design

A single dose of DARE-BV1 demonstrated high clinical cure rate compared to other approved products

	Product	Clinical (Amsel) Cure	Bacteriologic (Nugent) Cure	Therapeutic Cure
doré	DARE-BV1 novel gel (clindamycin)	86%	57%*	57%*
LUPIN	Solesec®1 (secnidazole 2g oral granules)	53-68%	40-46%	35-40%
Perrigo	Clindesse ^{®2} clindamycin phosphate Vaginal Cream, 2%	41-64%	45-57%	30-42%
्रैः Allergan	Metrogel, 1.3% ³	37%	20%	17%

* Based on data from 9 evaluable patients

- 28 of 30 women completed the study
- Test-of-Cure Visit (Day 7 14)
 - 24 of 28 (86%) women achieved clinical cure based on Amsel criteria
 - 4 of 7 (57%) women had bacteriologic cure and 4 of 7 (57%) had therapeutic cure
- Continued clinical response visit (Day 21 30)
 - 22 of 24 (92%) women showed continued clinical cure
 - 7 of 9 women had bacteriologic cure and 6 of 9 had therapeutic cure
- 1. https://dailymed.nlm.nih.gov/dailymed/fda/fdaDrugXsl.cfm?setid=551e43d5-f700-4d6e-8029-026f8a8932ff&type=display. Cure rate range reflects low and high cure rates across multiple studies.

3. http://www.accessdata.fda.gov/drugsatfda_docs/label/2014/205223s000lbl.pdf

^{2.} http://www.clindesse.com/pdf/PI.pdf. Cure rate range reflects low and high cure rates across multiple studies



DARE-BV1 Bacterial Vaginosis Opportunity Overview

DARE-BV1 offers an attractive value proposition based on our belief that it has a low clinical risk profile, low development and regulatory costs, and an attractive commercial opportunity

Proof of principal study complete

- 86% clinical cure rate in evaluable subjects
- o favorable efficacy profile compared to currently approved treatments

Same API (clindamycin phosphate 2%) as in currently approved treatment

Low Clinical Risk

Single Phase 3 clinical trial for FDA approval ¹ Exploiting the 505(b)2 regulatory pathway

Low Development Cost Anticipate less than \$10 million (Includes manufacturing, clinical trial, regulatory filing & action)

Prevalence estimated to be ~21M among women ages 14-49 in the US Approved prescription drugs have low patient share due to limited efficacy Opportunity for upside and market expansion

Significant Market Opportunity

Contraception

Expected to be a \$33 billion global category by 2023¹



1. Global Market Insights, https://globenewswire.com/news-release/2016/05/19/841462/0/en/Contraceptives-Market-size-to-exceed-33-Billion-by-2023-Global-Market-Insights-Inc.html



Ovaprene[®] Overview

Successful Proof of Concept Study

- Ovaprene demonstrated effectiveness in preventing sperm from entering the cervical canal in a proof-of-concept study in women (n=20):¹
 - No viable sperm in the cervical mucus
 - No colposcopic abnormalities

CDRH (Device) Regulatory Pathway

Single pivotal clinical trial expected for FDA approval

Attractive Market Opportunity

- >\$6 billion in US Rx sales of contraceptive products (2016).²
- 40 million women of reproductive age currently use a contraceptive method.³

Patent Coverage

- Patents covering the licensed technology have been granted with terms through 3Q 2028
- Opportunity for Patent Term Extension (PTE) and potential new patents



Ovaprene[®] Overview

Advances in hormone products have largely focused on reducing the hormone dosage, adjusting or extending the duration of protection and optimizing methods of administration.



Minastrin[®] 24 Fe (norethindrone acetate and ethinyl estradiol chewable tablets and ferrous fumarate tablets) 1 mg/20 mog





Reduction of hormones and convenient product forms are driving new innovation

- Lo Loestrin®
 - Pregnancy prevention with the lowest amount of daily estrogen (10 micrograms) available.
 - 2018 US sales: \$527 million (Allergan)⁵
- NuvaRing®
 - Monthly, convenient vaginal ring product form.
 - 2018 worldwide sales: \$902 million (Merck)⁶
- Mirena[®] Product Family
 - Physician inserted, long-acting.
 - Low/locally delivered hormone IUS.
 - 2018 worldwide sales: \$1.14 billion (Bayer)⁷

2. Minastrin https://www.minastrin24.com. Minastrin® is a registered trademark of Allergan Pharmaceuticals International Limited.

^{1.} Lo Loestrin Fe contains a low-dose combination of two female hormones. https://www.loloestrin.com/loloestrin/about-lo-loestrin. Lo Loestrin® and its design are registered trademarks of Allergan Pharmaceuticals International Limited.

^{3.} https://www.nuvaring.com/how-nuvaring-works/

^{4.} https://www.mirena-us.com/about-mirena/

^{5.} https://www.allergan.com/investors/news/thomson-reuters/allergan-reports-fourth-quarter-and-full-year-2018

^{6.} https://investors.merck.com/news/press-release-details/2019/Merck-Announces-Fourth-Quarter-and-Full-Year-2018-Financial-Results/default.aspx

^{7.} https://www.bayer.com/en/bayer-annual-report-2018.pdfx. Includes sales for Mirena®, Kyleena® and Jaydess® / Skyla®



Ovaprene[®] Overview

Women's Preferences

- 1. Effective Pregnancy Prevention
- 2. Convenient Product Forms
 - Independent surveys revealed that the vaginal ring has many of the features women deemed extremely important.¹
- 3. Method Mix
 - >70% of women who practice contraception currently use non-coital (*not in the moment*) methods.²
- 4. Less Hormones
 - A majority of women prefer a monthly option with a lower hormone dose than the pill.³

CONTRACEPTIVE METHOD CHOICE

Most effective method used in the past month by U.S. women, 2014

METHOD	No. of women	% of women aged 15-44	% of women at risk of unintended pregnancy	% of contraceptive users
Pill	9,572,477	15.6	22.7	25.3
Tubal (female) sterilization	8,225,149	13.4	19.5	21.8
Male condom	5,496,905	8.9	13.0	14.6
IUD	4,452,344	7.2	10.6	11.8
Vasectomy (male sterilization)	2,441,043	4.0	5.8	6.5
Withdrawal	3,042,724	5.0	7.2	8.1
Injectable	1,481,902	2.4	3.5	3.9
Vaginal ring	905,896	1.5	2.1	2.4
Fertility awareness- based methods Implant Patch	832,216 965,539 69,106	1.3 1.6 0.1	2.0 2.3 0.2	2.2 2.6 0.2
Emergency contraception	69,967	0.1	0.2	0.2
Other methods*	234,959	0.4	0.6	0.6
No method, at risk of unintended pregnancy	4,408,474	7.2	10.5	na
No method, not at risk	19,302,067	31.4	na	na
Total	61,491,766	100.0	100.0	100.0

*Includes diaphragm, female condom, foam, cervical cap, sponge, suppository, jelly/cream and other methods. NOTE: "At risk" refers to women who are sexually active; not pregnant, seeking to become pregnant or postpartum; and not noncontraceptively sterile. na=not applicable.

www.guttmacher.org

2. https://www.guttmacher.org/fact-sheet/contraceptive-use-united-states

3. Hooper, DJ, Clin Drug Investig. 2010;30(11):74963



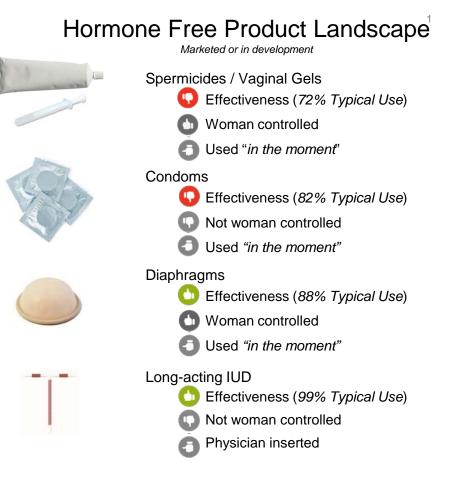
Current Contraceptive Landscape – what's missing?

Hormone-free alternatives that are <u>effective and easy to use</u>

Least Effective Methods

Method	Perfect Use	Typical Use
Spermicide* / Vaginal Gels	82.00%	72.00%
Sponge-Parous*	80.00%	76.00%
Sponge-Nulliparous*	91.00%	88.00%
Condom (male)*	98.00%	82.00%
Diaphragm*	94.00%	88.00%
Combined Pill & Progestin only*	99.70%	91.00%
Evra Patch*	99.70%	91.00%
Nuva Ring*	99.70%	91.00%
Depo-Provera*	99.80%	94.00%
IUD- ParaGard (Copper T)*	99.40%	99.80%
IUD- Mirena (LNg)*	99.80%	99.80%
Implanon*	99.95%	99.95%
Female Sterilization*	99.50%	99.50%
Male Sterilization*	99.90%	98.85%

Most Effective Methods





Ovaprene[®] Overview

Ovaprene® Non-hormonal, Monthly Vaginal Ring

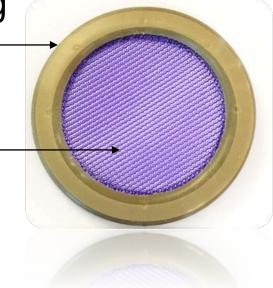
Spermiostatic Environment¹

- Achieved through a contraceptive-loaded silicone ring matrix.
- Releasing non-hormonal active Ferrous gluconate.

Physical Barrier¹

• 3-D, non-braided, fluid-permeable mesh barrier.

Rx distribution (OB/GYN) – anticipated upon approval.





2,3

New Contraceptive Option

Ovaprene[®] Overview

Ovaprene successfully prevented sperm from reaching the cervical canal in a previous human postcoital test (PCT) clinical study.

- 2009 Postcoital Assessment:¹
 - Open-label, single-arm, pilot safety and tolerability study.
 - Published in the Journal of Reproductive Medicine, 2009.
- Patients:
 - N= 20; all women completed one cycle of use.
- Results:
 - Postcoital testing revealed no viable sperm in the cervical mucus.
 - No colposcopic abnormalities, no significant changes in vaginal flora and no serious adverse effects observed.

Birth Control Effectivenes	s	
Method	Perfect Use	Typical Use
Spermicide* / vaginal gels	82.00%	72.00%
Sponge-Parous*	80.00%	76.00%
Sponge-Nulliparous*	91.00%	88.00%
Condom (male)*	98.00%	82.00%
Diaphragm*	94.00%	88.00%
Combined Pill & Progestin only*	99.70%	91.00%
Evra Patch*	99.70%	91.00%
Nuva Ring*	99.70%	91.00%
Depo-Provera*	99.80%	94.00%
IUD- ParaGard (Copper T)*	99.40%	99.80%
IUD- Mirena (LNg)*	99.80%	99.80%
Implanon*	99.95%	99.95%
Female Sterilization*	99.50%	99.50%
Male Sterilization*	99.90%	98.85%

In PCT studies of similar size, products (diaphragms) with no motile sperm in the cervical mucus during their PCT assessments demonstrated "typical use" contraceptive effectiveness of 88% in pivotal contraceptive studies evaluating pregnancy rates over time.

1. Journal of Reproductive Medicine 2009; 54: 685-690

2. Trussell J. Contraceptive Efficacy. In Hatcher RA, Trussell J, Nelson AL, Cates W, Kowal D, Policar M. Contraceptive Technology: Twentieth Revised Edition. New York, NY: Ardent Media, 2011.

3. http://www.contraceptivetechnology.org/wp-content/uploads/2013/09/CTFailureTable.pdf



Ovaprene[®] Overview

- U.S. Regulatory Strategy
- PMA with CDRH (Medical Device Division) as lead review division.
- Pathway expected to be based on similar CDRH approvals Example: Caya® diaphragm.*

Step 1 – Postcoital test (PCT) 2018 / 2019*

- The study is enrolling up to 50 couples.
 - <u>25 women complete a total of 21 visits</u>
- Evaluated over the course of five menstrual cycles.
- Each woman's cervical mucus will be examined at several points during the study:
 - Cycle 1 Baseline (excludes the use of any product),
 - Cycle 2 Use of a barrier method (diaphragm),
 - Cycles 3,4 and 5 Ovaprene vaginal ring.
- Assess progressively motile sperm (PMS) per high powered field (HPF) in the cervical mucus, post coitus (primary endpoint <5 PMS per HPF).
- Safety assessments, PK, acceptability, fit, and ease of use.
 - Data from the study is expected to be available in the second half of 2019.
 - If the PCT clinical trial demonstrates <5 PMS / HPF in the cervical mucus in most women and that Ovaprene can be safely worn over multiple weeks, the Company intends to prepare and file an Investigational Device Exemption (IDE) with the FDA to commence a pivotal clinical trial to support marketing approvals of Ovaprene in the United States, Europe and other countries worldwide.

→ Step 2 – Pivotal Study 2020 / 2021*

- Single pivotal clinical (expected).
- N= ~250 completers over 6 months of use.
 - Primary Endpoints: Safety & Efficacy
 - Pregnancy probability.
 - Secondary Endpoints:
 - Acceptability/product fit/ease of use.
 - Assessments of vaginal health.

*Anticipated regulatory pathway and timelines. Daré has not had any communications with the FDA regarding the specific PMA requirements for Ovaprene.



Ovaprene[®] Overview

Features Desired Most in Birth Control: ¹⁻⁴	Design Features of Ovaprene: ^{5,6}
Convenience (Easy to Use & Easy to Remember)	Monthly Ring Product Form Women chose rings for the convenience of a non-daily option.
Hormone Free	No Hormones in the API Unique dual action MOA (spermiostatic & barrier).
C Efficacy	Expected Typical Use Effectiveness Comparable to Hormone Contraception (88% vs 91%).
Favorable Side Effect Profile	No Colposcopic Abnormalities No significant changes in vaginal flora. No serious adverse effects observed in prior published study.
C Easily Manage Fertility	No Systemic Activity Inserted and removed without a provider. Immediate return to fertility.

1. https://www.urban.org/urban-wire/women-want-effective-birth-control

- 2. Lessard, L,Perspectives on Sexual and Reproductive Health, Volume 44, Number 3,9-2012
- 3. Hooper, DJ, Clin Drug Investig. 2010;30(11):74963

4. Ersek, J, Matern Child Health J (2011) 15:497-506

5. Journal of Reproductive Medicine 2009; 54: 685-690

6. Trussell J. Contraceptive Efficacy. In Hatcher RA, Trussell J, Nelson AL, Cates W, Kowal D, Policar M. Contraceptive Technology: Twentieth Revised Edition. New York, NY: Ardent Media, 2011.

Women's Sexual Health & Wellness Female Sexual Arousal Disorder (FSAD)

World market for both male and female sexual dysfunction drugs will reach 7.7 billion in 2019¹

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Sildenafil Cream, 3.6%

Successful Proof of Concept

- Sildenafil Cream, 3.6% improved genital blood flow in a proof-of-concept study (n=31):¹
 - Efficacy signal observed in both pre and postmenopausal patients
 - Excellent systemic/local safety and tolerability profile

505(b)(2) Regulatory Pathway

Ability to leverage the safety profile of sildenafil (Viagra[®]) for FDA submission package

Attractive Market Opportunity²

- 33% of females in the U.S. (21 to 60 years old) experience symptoms of low or no sexual arousal
- 16% (~10m women) are considered distressed and are seeking a solution to improve their condition

Patent Coverage

- Patents covering the licensed technology have been granted with terms through 2031 (through June 2029 in the U.S.)
- No ANDA route: ANDA is not currently an option for topicals that result in low systemic uptake



Sildenafil Cream, 3.6%



With its approval of Addyi®, FDA has now acknowledged and formally classified the distinct and separate disorders that comprise Female Sexual Dysfunction.

Where HSDD is characterized primarily by a lack of sexual desire, **FSAD is characterized** primarily by an inability to attain or maintain sufficient physical sexual arousal.

[•] INTRAROSA is a registered trademark of Endoceutics, Inc.

[•] Imvexxy is a trademark of TherapeuticsMD, Inc.

[•] Osphena is a registered trademark of Duchesnay USA, Pennsylvania, USA.

[•] ESTRACE® is a registered trademark of Allergan Pharmaceuticals International Limited.

[•] Premarin is a registered trademark of Pfizer Inc.

Addyi is a registered trademark of Sprout Pharmaceuticals, Inc.



Sildenafil Cream, 3.6%

FSAD is characterized primarily by an inability to attain or maintain sufficient physical sexual arousal; it is also characterized by distress or interpersonal difficulty.^{*}

- Estimated 23-33% of women suffer from arousal disorder:
 - Meta-analysis of 95 studies from 2000-2014 indicated the prevalence of Female Sexual Dysfunction in premenopausal women worldwide is 40.9%, and difficulty with arousal alone is 23%.¹
 - **33% of women in the U.S. age 21 to 60** (approximately 20 million women), experience symptoms of low or no sexual arousal.^{2,3}
 - 10 million women are considered <u>distressed</u> and actively seeking treatment.²

*Diagnostic and Statistical Manual 4th Edition Text Revision (DSM IV TR), defines female sexual arousal disorder as a persistent or recurrent inability to attain or to maintain until completion of the sexual activity, an adequate lubrication-swelling response of sexual excitement. The diagnostic criteria also state that the inability causes marked distress or interpersonal difficulty, is not better accounted for by another Axis I disorder (except another sexual dysfunction), and is not due exclusively to the direct physiological effects of a substance (e.g., a drug of abuse, a medication) or a general medical condition.

2. Ad Hoc Market Research: FSAD Prevalence Report (Oct 2015) conducted for SST LLC.

3. Based on US Census projections for 2016.

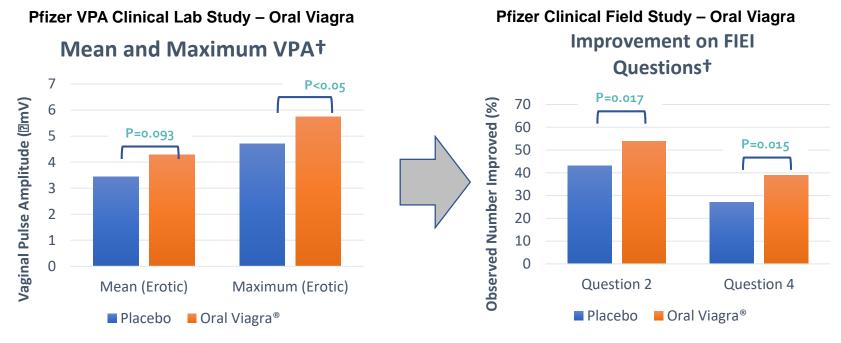
^{1.} McCool et al. Sex Med Rev 2016;4:197-212.



Sildenafil Cream, 3.6%

Increased blood flow and clinical efficacy with oral sildenafil (Viagra®) in women:

- Statistically significant increases in Vaginal Pulse Amplitude (VPA)¹
- Statistically significant improvement in genital stimulation (FIEI)²



Key Takeaways of Viagra studies:

- Oral sildenafil (Viagra) demonstrated statistically significant activity
- Side effects of the oral formulation led to the investigation of a new topical route of administration

[†] Twelve healthy premenopausal women were studied.

Female Intervention Efficacy Index (FIEI)

† Question #2 – "After taking study medication, the sensation/feeling in my genital (vaginal, labia, clitoris) area during intercourse or stimulation (foreplay) seemed to be: (a) more than before, (b) less than before, or (c) unchanged". Question #4 – "After taking the study medication, intercourse and/or foreplay was: (a) pleasant and satisfying; better than before taking the study medication, (b) unpleasant; worse than before taking study medication, (c) unchanged; no difference, or (d) pleasant; but still not like it used to be or I would like it to be." 202 postmenopausal women with FSAD who had protocol specified estradiol and free testosterone concentrations, and/or were receiving estrogen and/or androgen replacement therapy were studied.



Sildenafil Cream, 3.6%

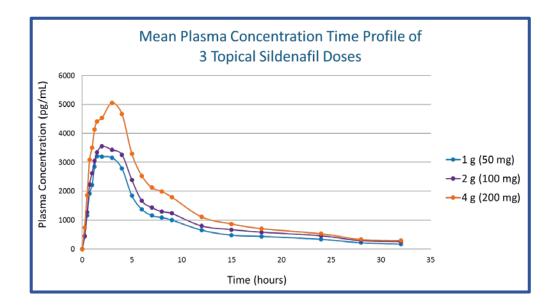
Phase 1 Study Sildenafil Cream, 3.6%¹

- Normal healthy postmenopausal women were dosed with escalating doses of Sildenafil Cream, 3.6%, using a cross-over study design.
- Topical sildenafil had significantly lower systemic exposure compared to a 50 mg oral sildenafil dose
 - AUC 3-6%
 - C_{max} 1-2%
- Safe and very well tolerated at clinically relevant doses (1-2g)
- Favorable product characteristics as self reported by subjects
 - Easy to use
 - Readily absorbed

Phase 2a Study of SST-6007 (Sildenafil Cream, 3.6%)¹

 Demonstrated increased blood flow in the genital tissue compared to placebo (mean change in VPA analysis) in 31 women (pre and postmenopausal) ~30 minutes post dosing

Treatment	N	Sildenafil Single Dose	C _{max} (ng/ml)	T_{max} (hr)	AUC _{last} (h*ng/ml)
Topical Sildenafil 1 g of cream	20	35 mg	3.4	2.37	25.6
Topical Sildenafil 2 g of cream	20	71 mg	3.8	2.27	30.8
Topical Sildenafil 4 g of cream	19	142 mg	5.3	2.22	42.5





►

Sildenafil Cream, 3.6%

Phase 2b Program: Continue to explore additional clinical and non-clinical work that might be valuable or required to support the overall program and the anticipated design of the Phase 2b.



- A content validity study is designed to help ensure the concepts we plan to measure are the most important and relevant to our target population.
- This is a non-interventional study participants will not be asked to use or evaluate any products.

- Planned Type C Meeting
- We will request at Type C meeting to get feedback on whether the agency agrees that the patient reported outcomes (PRO) instruments are *content valid* for the target population.

At Home Study 2b At Home Study Initiation Anticipated 2019 Topline Data – 4Q 2020

- The Phase 2b at-home study will allow patients to use the investigational product and placebo in their home setting.
- The FDA is agreeable to a 12week Phase 2b for Sildenafil Cream, 3.6% to assess reasonable safety and preliminary efficacy.
- The 2016 Draft Guidance reflects expectations regarding Phase 3 study length and patient population.

Key Takeaways:

 The Phase 2b program will consist of a content validation component (ongoing), followed by at-home dosing of the investigational product and a placebo control. The plan is to use the selected PRO instrument and FDA agreed upon endpoints for the Phase 2b and Phase 3 clinical trials.



Sildenafil Cream, 3.6%



With its approval of Addyi®, FDA has now acknowledged and formally classified the distinct and separate disorders that comprise Female Sexual Dysfunction.

Where HSDD is characterized primarily by a lack of sexual desire, **FSAD is characterized** primarily by an inability to attain or maintain sufficient physical sexual arousal.

- Osphena is a registered trademark of Duchesnay USA, Pennsylvania, USA.
- ESTRACE® is a registered trademark of Allergan Pharmaceuticals International Limited.
- Premarin is a registered trademark of Pfizer Inc.

[•] INTRAROSA is a registered trademark of Endoceutics, Inc.

[•] Imvexxy is a trademark of TherapeuticsMD, Inc.

Addyi is a registered trademark of Sprout Pharmaceuticals, Inc.

Innovative Vaginal Drug Delivery Well characterized therapeutic options



Intravaginal Ring (IVR) Technology Platform

Daré has an exclusive, global license to novel IVR technology originally developed by Dr. Robert Langer from MIT and Dr. William Crowley from Massachusetts General Hospital and Harvard Medical School that has been further developed by Juniper Pharmaceuticals. Daré's exclusive license covers all rings in development as well as additional applications of the IVR technology platform in other therapeutic areas.

- Features of the intravaginal ring technology include:
 - Sustained drug delivery
 - Variable dosing and duration
 - Single or multiple drug delivery via a solid ethylene vinyl acetate polymer matrix (without the need for a membrane or reservoir to contain the active drug or control the release)
- Current 505(b)(2) candidates licensed from Juniper include:

• DARE-HRT1

- A combination bio-identical estradiol + bio-identical progesterone ring for hormone replacement therapy
- DARE-FRT1
 - A bio-identical progesterone ring for the prevention of preterm birth and for fertility support as part of an IVF treatment plan

2. https://reproendo.mgh.harvard.edu/programs/research-investigators/dr-william-crowley/

^{1.} http://www.ibtimes.com/robert-langer-top-mit-biomedical-engineer-father-30-companies-how-launch-successful-2141263



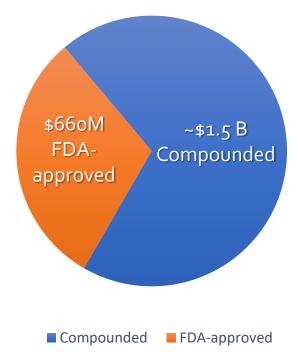
Hormone Replacement Therapy (HRT)

DARE-HRT1 (bio-identical estradiol + bio-identical progesterone)

HRT remains the most effective treatment for vasomotor symptoms (VMS) and the genitourinary syndrome of menopause (GSM) and has been shown to prevent bone loss and fracture.¹

- 45M women in U.S. approaching or in menopause.²
- 2012 NAMS consensus statement supports HRT in peri- and postmenopausal women – estrogen to reduce symptoms and progesterone to prevent thickening of uterine wall.³
- NAMS recommends non-oral route over oral.³
- 2002 Women's Health Initiative (WHI) study showed that the long-term use of certain synthetic hormones (a combination of medroxyprogesterone and conjugated equine estrogens) increased the risk of breast cancer, stroke, heart attack and blood clots

\$2.2 Billion U.S. Market⁴



1. The 2017 hormone therapy position statement of The North American Menopause Society; Menopause: The Journal of The North American Menopause Society Vol. 24, No. 7, pp. 728-753

2. U.S. Census Bureau, Population Division. Table 2. 2015 to 2060 (NP2012-T2). Released Dec. 2012.

3. Menopause, Vol. 19, No. 3, 2012.

4. U.S. 2014. Source: Symphony Health Solutions Report



Hormone Replacement Therapy (HRT)

DARE-HRT1 (bio-identical estradiol + bio-identical progesterone)

Phase 1 - HRT

DARE-HRT1 for the treatment of VMS due to menopause – combination bio-identical estradiol and progesterone in a convenient 28 day IVR

- Proposed Study:
 - A Phase 1, Open-Label, 3-arm Parallel Group Study to Evaluate the Pharmacokinetics and Safety of DARE-HRT1 (80 µg and 160 µg Estradiol/ 4 mg and 8 mg Progesterone Intravaginal Rings) in Healthy Post-Menopausal Women.
- Primary Objectives:
 - To describe the PK parameters over 28 days using two different dose combinations of DARE-HRT1 Intravaginal ring (IVR):
 - Estradiol 80 µg/Progesterone 4 mg IVR
 - Estradiol 160 µg/Progesterone 8 mg IVR
 - Identify the steady-state PK after 28 days of each DARE-HRT1
- N=30



Pregnancy Maintenance

DARE-FRT1 (bio-identical progesterone)

- Prevention of Pre-term Birth (PTB)
 - In the US, approximately 12% of pregnancies are preterm (less than 37 weeks)¹
 - Standard interventions include steroids, hormones and tocolytic agents to stop/slow the frequency and duration of contractions²
- Assisted Reproductive Technologies (ART)
 - The global ART market is expected to reach USD 45 billion by 2025, according to a new report by Grand View Research, Inc.³
 - Childbearing postponement is a high impact driver of the infertility treatment market.
 - Increasing marital age, rising tobacco and alcohol consumption, and increasing obesity rates are some of the other factors contributing to the market growth.
 - Furthermore, increasing incidence rate of conditions such as poly-cystic ovarian syndrome (PCOS), tubal factors and endometriosis are other drivers of the market.
 - Record number of women using IVF to get pregnant ⁴
 - More American women have had medical help to have their babies than ever, according to the latest annual report from the Society for Assisted Reproductive Technology.

^{1.} https://www.stanfordchildrens.org/en/topic/default?id=prematurity-90-P02401

^{2.} https://www.uptodate.com/contents/preterm-labor-beyond-the-basics

^{3.} https://www.grandviewresearch.com/press-release/global-assisted-reproductive-technology-market

^{4.} https://www.cnn.com/2014/02/17/health/record-ivf-use/index.html



Vaginally Delivered Tamoxifen for VVA

Vaginally Delivered Tamoxifen to treat VVA in HR+ Breast Cancer Patients

- DARE-VVA1
 - A proprietary formulation of tamoxifen for vaginal administration.
 - Potential to be the first treatment specifically approved for the treatment of vulvar and vaginal atrophy (VVA) in patients with hormone-receptor positive (HR+) breast cancer.
- VVA is a chronic condition characterized by pain during intercourse, vaginal dryness and irritation.
 - Most women use localized estrogen therapy which is contraindicated for the more than two million women diagnosed with, or at risk of recurrence of, ER-positive and PR-positive breast cancer.¹
 - Daré intends to develop this novel local application of tamoxifen to mitigate the symptoms of VVA for patients with or at risk for hormone-receptor-positive breast cancer, including women currently on anti-cancer therapy.
 - Due to the use of aromatase inhibitors for the treatment of HR+ breast cancer, the prevalence of VVA in
 postmenopausal breast cancer patients is reported to be between 42 and 70 percent.²



Vaginal Tamoxifen – Proof of Concept Study¹

This exploratory study in four postmenopausal women diagnosed with VVA demonstrated that a self-administered vaginal suppository containing tamoxifen (20mg) dosed daily for one week and twice weekly for three months was effective in reducing vaginal pH and vaginal dryness.

Vaginal Tamoxifen	Enrollment (Baseline)	On Treatment (Month 3)	Paired Difference (Baseline vs. Month 3)
Median Vaginal pH Lower pH value is a measure of symptom relief Normal vaginal pH is usually less than 4.5. ²	7.1 range 6.5 to 7.5	5.0 range 5.0 to 5.2	- 2.0 median range -2.5 to -1.5
Vaginal Dryness Rated using a visual analogue scale (VAS) that ranged from: 0 = Not bothered by dryness 10 = Extremely bothered by dryness Decreased vaginal dryness is a measure of symptom relief	8.0 range of 7.5 to 9.0	3.0 range 2.0 to 3.0	-5.5 median range -6.0 to -4.5

In addition, systemic absorption of tamoxifen was not significant.

- After 8 weeks of study treatment with vaginal tamoxifen, the median plasma concentration of tamoxifen was 5.8 ng/ml, with a range of 1.0 to 10.0 ng/ml
- In comparison, after 3 months of administration of 20mg, once-daily oral tamoxifen citrate (Nolvadex),2 the average steady state plasma concentration of tamoxifen is 122 ng/ml with a range of 71 to 183 ng/ml

2. https://www.medicalnewstoday.com/articles/322537.php

3. US Food and Drug Administration: "Drug Approval Package: Nolvadex (Tamoxifen Citrate) NDA# 21-109.2002". Available at: https://www.accessdata.fda.gov/drugsatfda_docs/nda/2002/21109_Nolvadex.cfm

Strategic Pre-Clinical Candidates Contraceptives that address global gaps





A New Long Acting Contraceptive Option

Microparticle 6 & 12 Month Injectable Contraception

ORB-204 and ORB-214, injectable etonogestrel

The initial development on Orbis' long-acting injectable contraceptive program was carried out under a subcontract funded by Family Health International (FHI 360) through a grant from the **Bill & Melinda Gates Foundation**.

ORB-204 & 214 – a potential new injectable contraceptive that is designed to provide discreet, non-invasive, longer-acting reversible protection:

- Designed to overcome the limitations of the currently marketed injectable contraceptives
- Pre-clinical studies for the 6- and 12- month formulations have been completed to date¹
- Target product profile of longer-acting injectable etonogestrel
 - Prolonged duration (6 to 12 months)
 - Improved ease of use, with an improved side effect profile
 - More predictable return to fertility



A New Contraceptive Target

DARE-RH1 CatSper

A Novel Approach To Male And Female Contraception.

- The identification of the CatSper target represents the potential to develop a novel class
 of non-hormonal contraceptive products for both men and women.
 - The discovery of a sperm-specific ion channel, CatSper, was validated in animal models where it was demonstrated that male mice lacking CatSper have poor sperm motility.
 - CatSper proteins are ion channels expressed solely in the membranes of sperm flagellum and are essential to sperm motility.
- Pre-clinical research has demonstrated CatSper mediates hyperactive motility of sperm.
 - Sperm hyperactivity is necessary to penetrate the physical barrier known as the zona pellucida which encloses the ovum and protects the egg.¹
 - The contraceptive benefit of targeting CatSper is achieved by inhibiting sperm hyperactivity and preventing egg fertilization.



Investment Highlights



Financial Profile

NASDAQ: DARE

Balance Sheet, March 31, 2019*:

- Cash: \$3.5 million
- Common shares: 11.42 million
- Common stock warrants: 3.75 million
- No debt

*April 2019: Underwritten public offering of 5.3 million common shares for net proceeds of approximately \$5.2 million.

March 2019: Second Notice of Award under non-dilutive NIH SBIR grant:

- Grant providing up to \$1.9 million in the aggregate for Ovaprene research from the Eunice Kennedy Shriver National Institute of Child Health and Human Development (NICHD), a division of the National Institutes of Health (NIH). The Company previously received award payments totaling \$224,665.
- Second Notice of Award, for the additional \$982,851, followed the NIH's review of a data analysis and other results of the first phase of research supporting Ovaprene.



Management Team

Sabrina Martucci Johnson, MSc, MIM <i>President and CEO</i>	Cypress Bioscience, Calibr, Advanced Tissue Sciences, WCG, Baxter Healthcare
Lisa Walters-Hoffert Chief Financial Officer	ROTH Capital Partners, Citicorp Securities, Bank of America, Oppenheimer & Co.
David Friend, PhD Chief Scientific Officer	Evofem, CONRAD, Elan Corporation
John Fair <i>Chief Business Officer</i>	Evofem, WCG, Havas-Gemini, Aegis Group plc, PwC, Express Scripts
Mark Walters Vice President, Operations	Pacira, SkyePharma, Alliance Pharmaceuticals, American Home Products
Mary Jarosz, RPh, RAC, FTOPRA Global Head of Regulatory Affairs	Evofem, WCG, Abbott Laboratories
Christine Mauck, MD, MPH <i>Medical Director</i>	CONRAD, Population Council, RW Johnson, FDA
Bridget Martell, MD, MA <i>Medical Affairs</i>	Juniper Pharmaceuticals, Purdue Pharma, Pfizer
Nadene Zack, MSc Sr. Director Clinical Operations	Retrophin, Aragon, Cypress Bioscience, Pfizer



Board of Directors

Daré Bioscience

Roger Hawley Chairman	Zogenix, Alios Biopharma, Cypress Bioscience, InterMune, Elan Corporation, GSK			
Jessica Grossman, MD	Medicines360, Sense4Baby, Johnson & Johnson			
Susan Kelley, MD	Bayer, BMS, ArQule, Cerulean			
Greg Matz	CooperSurgical - Cooper Companies, Agilent, Hewlett Packard			
William Rastetter, PhD	Neurocrine Biosciences, IDEC, GRAIL, Receptos, Illumina, Cerulean			
Robin Steele, JD, LLM	InterMune, Elan Corporation, Alveo, Alios Biopharma			
Sabrina Martucci Johnson, MSc, MIM	Cypress Bioscience, Calibr, Advanced Tissue Sciences, WCG, Baxter Healthcare			



Corporate & Investor Communications

NASDAQ: DARE

Trading as DARE since July 20, 2017





www.darebioscience.com

Appendix Daré Programs: Consumer & Market Insights

...



Bacterial Vaginosis Market Insights

American Sexual Health Association (ASHA), in conjunction with Harris Poll, conducted a national survey of 304 women ages 18 to 49 who have had bacterial vaginosis (BV). The survey was conducted online by Harris Poll on behalf of Symbiomix Therapeutics, LLC, a Lupin company, and the ASHA within the United States between September 14 and 29, 2017 among 304 US women aged 18-49 who have been diagnosed by a healthcare professional with BV within the past 2 years ("women with bacterial vaginosis").



Bacterial Vaginosis Market Insights

American Sexual Health Association (ASHA) National Bacterial Vaginosis Survey

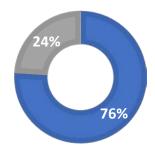
 <u>76%</u> of women with BV stated they would have gone to <u>see a healthcare professional sooner</u> if they were aware of the risks associated with BV if left untreated

Only 43% of women with BV are aware that if left untreated, BV can cause an increased risk of sexually transmitted infections (STIs)

IF BV RISK FACTORS WERE KNOWN

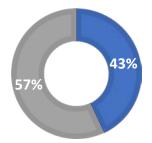
Would Seek Treatment Sooner

Would Not Seek Treatment Sooner



AWARE OF LINK TO STI

Aware BV Can Increase Risk of STI
 Unaware BV Can Increase the Risk of STI





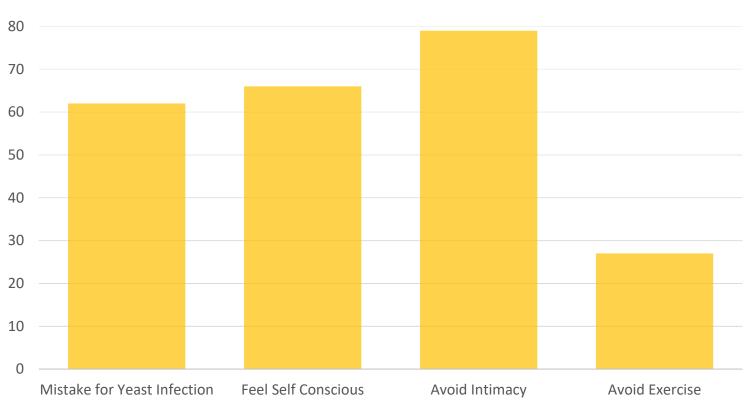
Bacterial Vaginosis Market Insights

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American Sexual Health Association (ASHA) National Bacterial Vaginosis Survey

- According to the ASHA survey, 62% of women mistake BV for a yeast infection prior to diagnosis
- Most women with BV feel selfconscious (68%) and/or embarrassed (66%) due to their condition
- Women with BV avoid everyday activities including being intimate with their spouse/partner (79%), working out (27%), or going on a first date (17%)

IMPACT OF BV ON DAILY LIFE

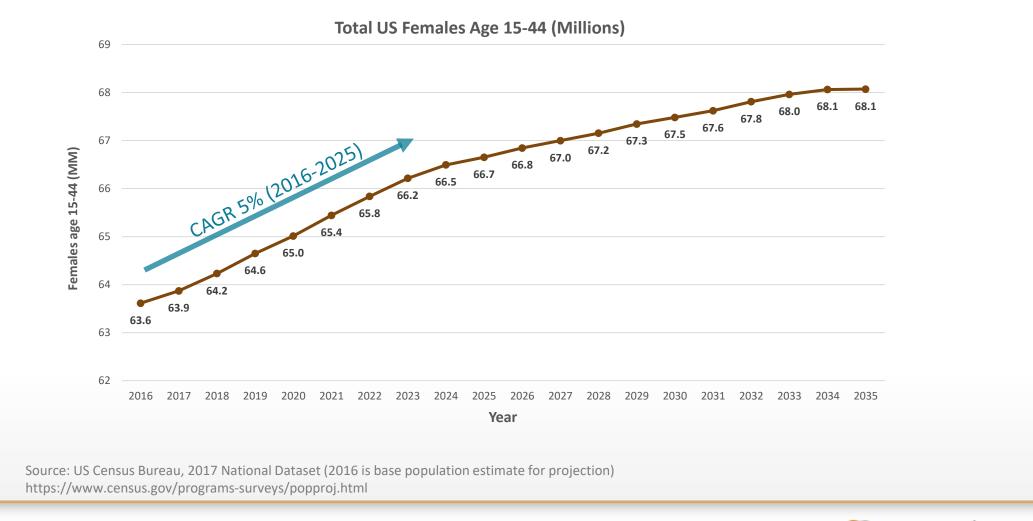




Ovaprene Market Insights

Secondary Market Research & Market Sizing Data Prepared by SmartPharma, February 2019. Data on File.

US Contraceptive Population is **Over 60 million** and Continues to Grow

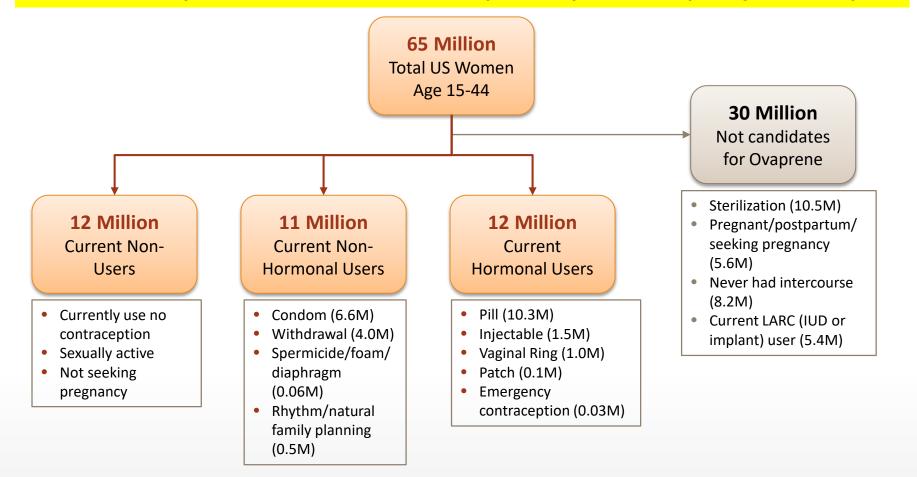


Dare Bioscience – Ovaprene Market Assessment, Jan 2019



Ovaprene Potential – Total Market Size

There are currently 35 million US women who could potentially choose Ovaprene for contraception



Source: CDC National Survey for Family Growth, 2013-2015 dataset, cdc.gov. Contraceptive use data applied to 2019 population data from US Census



Negative Information About Hormones is Persistent in the Public Domain

As a non-hormonal option, Ovaprene does not have to overcome myths or negative "press"

5 Reasons Women Avoid Birth Control

Reason #1: "I don't want to get fat"

Reason #2: "It might make me depressed"

Reason #3: "Birth control causes cancer"

Reason #4: "I don't want to put chemicals in my body"

Reason #5: "I'm not at risk for getting pregnant"

6 Reasons Why You Shouldn't Take The Pill Long Term

April 4, 2017 by Fertility Friday / 21 Comments

- The pill lowers your sex drive
- The pill shrinks your clitoris and causes painful sex
- The pill causes depression and anxiety
- Long term pill use puts you at an increased risk of cervical cancer
- Long term pill use is associated with a delay in your return to fertility



not to Take

Sources:

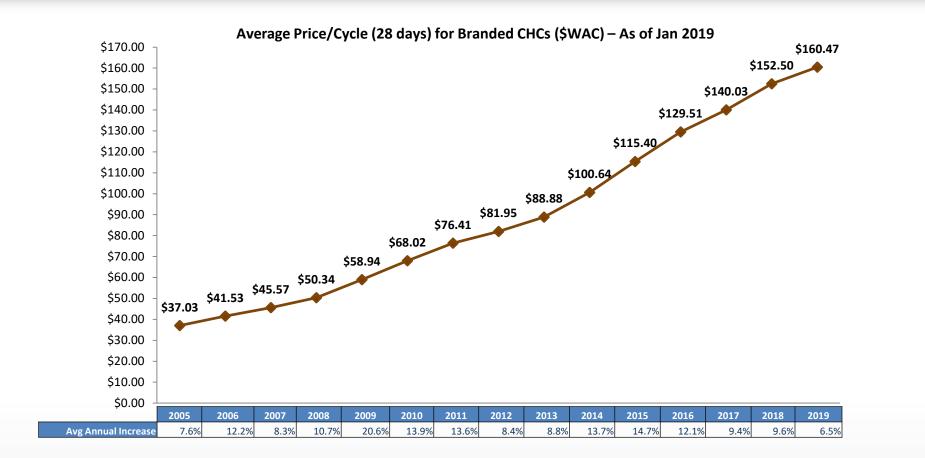
HelloFlo, Mar 22, 2017, www.helloflo.com Fertility Friday, April 4,2017, www.fertilityfriday.com Equipping Godley Women, April 15, 2015, www.equippinggodleywomen.com Hormonal Birth Control Comes with Side Effects

- 2. Birth Control is Full of Hormones/Chemicals
- 3. Birth Control Works Against Your Body
- 4. Birth Control *May* Cause Abortions
- 5. A Whole Host of Other Reasons



Contraceptive Pricing and Reimbursement

Brand Contraceptives Have Consistently Increased in Price

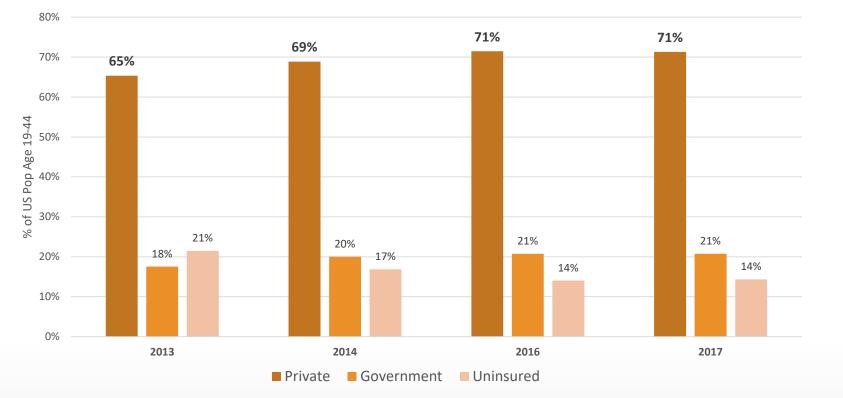


Source: MediSpan PriceRx, accessed Jan 2019. Average of 13 available branded contraceptives available in US market. Only three of these brands have no generic equivalent, and the average price/cycle for those 3 = \$171.06



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Over 70% of Reproductive-Aged Women in the US Have Private Insurance



Trend in Insurance Coverage Over Time (Age 19-44)

*Patients can have more than one form of insurance, so totals may exceed 100%)

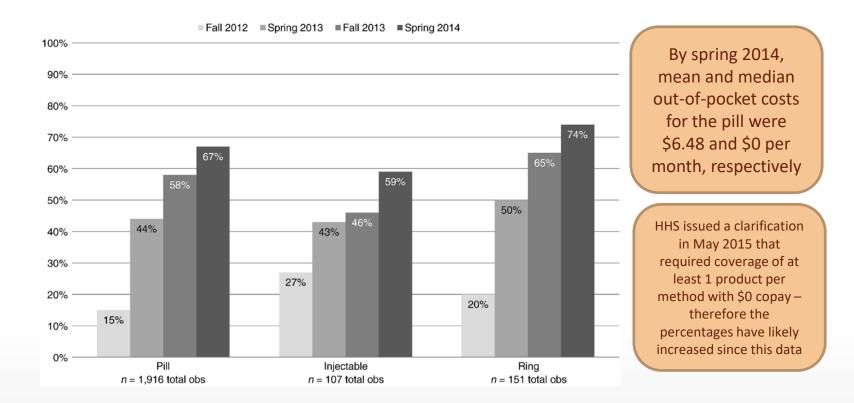
Source: Berchick et al. US Census Bureau, Health Insurance Coverage in the US: 2017, Issued Sep 2018



Most Women Pay \$0 For Birth Control Since the ACA Was Enacted

Percent of Women with \$0 Copay for Birth Control Over Time

(n=892 women age 18-39 with private health insurance who used a prescription contraceptive method)



Sources:

Guttmacher Institute Continuity and Change in Contraceptive Use Study in: Sonfeld A, et al. Contraception 2015;91:44-48 US Dept of Health and Human Services (HHS) FAQs About ACA Implementation (Part XXVI), www.cms.gov

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ACA Contraceptive Mandate: Current Status of Contraceptive Policy

- Insurance plans must cover all FDAapproved methods with no copay or cost sharing to patients¹
 - They must cover at least one type of each method in each category
- 62.8 million women (age 18-64) now have birth control coverage with no cost sharing²
 - Exemptions and accommodations for religious and moral objections are in place, but they affect only 6,400 to 127,000 women³
 - The latest attempts by the current administration to broaden the exemption has been blocked by two federal courts⁴
- If Ovaprene is approved, it has the potential to be the only product in the category, as it is a vaginal ring with a spermiostatic active.

¹ www.HealthCare.gov/coverage/birth-control-benefits/
² National Women's Law Center Fact Sheet, Nov 2018
³ HHS Fact Sheet, Nov 7 2018
⁴ National Women's Law Center Fact Sheet, Oct 2018 and Washington Post, Jan 14, 2019

Minimum Contraceptive Coverage Requirements Clarified by HHS Guidance				
Contraceptive Method	Products/Options	Must Cover		
irgical sterilization	Also called tubal ligation	\checkmark		
mplant sterilization	Only Essure available	\checkmark		
implantable Rod	Multiple	√at least 1		
IUD – Copper	Only ParaGard available	\checkmark		
IUD - Progestin	Multiple	√at least 1		
Injection	Multiple	√at least 1 (may be generic		
Oral contraceptives – combined	Multiple	√at least 1 (may be generic		
Oral Contraceptives – progestin only	Multiple	√at least 1 (may be generic		
Oral Contraceptives – extended/continuous use	Multiple	√at least 1 (may be generic)		
Patch	Multiple**	√at least 1 (may be generic		
Vaginal Ring	Only NuvaRing available	\checkmark		
Diaphragm with Spermicide	Only Milex Omniflex available	\checkmark		
Sponge with Spermicide	Only Today Sponge available	√*		
Cervical Cap with Spermicide	Only FemCap available	\checkmark		
Female Condom	Multiple	√*		
Spermicide alone	Multiple	√at least 1 (may be generic		
Emergency Contraception- Progestin	Multiple	√at least 1 (may be generic)		
Emergency Contraception- Ulipristal Acetate	Only ella available	\checkmark		
**The manufacturer of the brand na alternative will be the only patch ava	and Depts of Labor, Health and Humar	d production and the generic		





Sildenafil Cream, 3.6% FSAD Demographic Insights & Concept Test

Market Research Report Conducted by Ad Hoc Research on behalf of Strategic Science & Technologies, LLC. 222 Third Street, Suite 2242, Cambridge, MA 02142 – December 2015



FSAD - Psychological & Physiological Impact



The Current Experience of FSAD Sufferers

(Physical and Psychological)



Experience of FSAD Sufferers

- The concept definitely has potential. FSAD sufferers are likely to purchase it and are willing to give it a try.
- A few questions remain:

1. What do they currently experience during sexual activity that they are hoping the cream will rectify?

They often feel	They do not often feel
The inability to attain an adequate level of sexual excitement	Genital tenseness or tightness
The lack of desire for intimacy	Genital pulsing or throbbing
Lack of genital or clitoral fullness, pressure or engorgement	The feeling of muscle contractions in their genitals
Lack of genital wetness or lubrication	The feeling of readiness
	Satisfaction with their level of physical arousal

2. What are their main physical desires when it comes intimacy?

- They are desperate for their bodies to respond, be it to...
- Intimacy;
- An intimate touch;
- Touch.





Experience of Female Sexual Arousal Disorder (FSAD) Sufferers

3. What is the psychological impact of this disorder?

- The impact appears to be immense. Emotions run the gamut from **dissatisfaction with** to **anger about their sex lives**.
- The most frequent feelings include:
- Dissatisfaction with their sex lives;
- Bothered by their low sexual desire;
- Unhappiness about their sexual relationships; and
- Frustration due to their sexual problems.
- Thus, conveying an understanding of these feelings, either in claims, in communications or both, will promote interest in the product.

Anger Worry InadequacyInferiority Guilt Dissatisfaction Unhappiness Stress Frustration Bothered Embarassment Regrets Distress

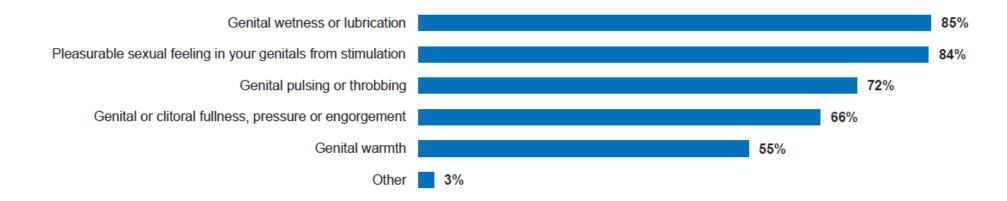
4. What "remedies" have they tried to combat the disorder?

the average number of remedies tried to combat FSAD

- Almost all FSAD sufferers surveyed have tried "something" to treat their difficulties getting or staying physically aroused.
- The most common are **topical lubricants** and **a vibrator/other accessory** for stimulation.



Female Sexual Arousal Disorder (FSAD) Respondents Indicators of Sexual Arousal



	Age group		FSAD LT SA 35-54 *	
All respondents (n=402)	21-44 n=195	45-60 n=207	Yes n=120	No n=282
Genital wetness or lubrication	87%	81%	83%	85%
Pleasurable sexual feeling in your genitals from stimulation	84%	84%	85%	84%
Genital pulsing or throbbing	75%	69%	69%	74%
Genital or clitoral fullness, pressure or engorgement	65%	68%	66%	66%
Genital warmth	58%	50%	51%	56%
Other	3%	2%	2%	3%

 LT- in a long-term relationship SA - currently sexually active 35-54 - ages of 35 to 54



Female Sexual Arousal Disorder (FSAD)

Respondents Signs & Symptoms

ll respondents (n=402)		Every time Occa	asionally Often	\downarrow
Inability to attain an adequate level of sexual excitement	27%		55%	82%
Lack of desire for intimacy	22%		59%	81%
Lack of genital or clitoral fullness, pressure or engorgement	20%		62%	81%
Lack of genital wetness or lubrication	31%		47%	78%
Any genital feeling	34%		43%	78%
Pleasurable genital or clitoral sensitivity to the touch	15%	55%	7	0%
Feeling of sexual turn off	14%	53%	67%	0
Pleasurable sensation in your genitals	11%	54%	65%	
Desire to have a sexual experience	14%	46%	60%	
Discomfort or pain when having intercourse with a partner	20%	39%	59%	
Feeling receptive to a partner's sexual initiation	11%	47%	58%	
Feeling of mental excitement	11%	47%	58%	
Feeling of warmth or tingling in genitals	9%	47%	57%	
Thinking or fantasizing about having sex	15%	42%	57%	
Genital tenseness or tightness	13%	41%	54%	
Genital pulsing or throbbing	4%	50%	54%	
Feeling of muscle contractions in genitals	11%	42%	54%	
Feeling of readiness	9%	44%	52%	
atisfaction with your level of physical arousal during sexual activity	9%	37%	46%	

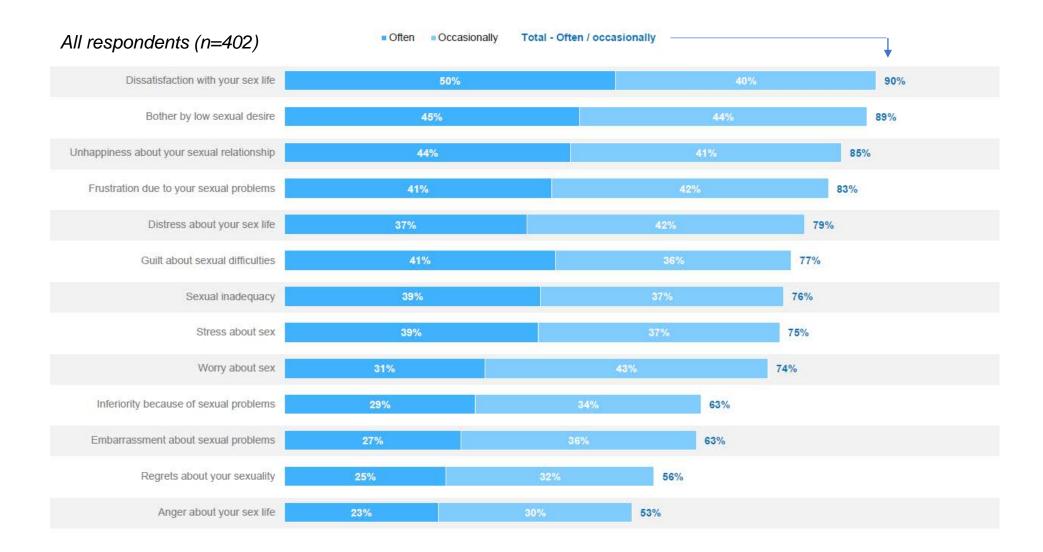


Psychological Impact of FSAD

All respondents (n=402)	Completely	agree Somewhat agree	Agree	
				Ļ
I want my body to respond to intimacy	75%		17%	92%
I want my body to respond to an intimate touch the way it used to	71%		21%	92%
I want my body to respond to touch	69%		21%	90%
I'm not sure when it started happening or why, but my body doesn't seem to respond to intimacy the way it used to ()	54%		30% 84%	
There are times when I am not able to become physically sexually aroused, even though I would like to	45%	36%	81%	
I am not always able to become physically aroused, even though I am sexually attracted to my partner	41%	37%	78%	
I wish I could easily get aroused, and I know that hormones can help, but I just don't like the idea of taking hormones every day	53%	24	77%	
A robust physical arousal response is very important for me to have a pleasurable sexual experience	34%	41%	76%	
I need help getting aroused because sometimes my body doesn't feel like my own anymore	43%	31%	74%	
Even though I desire sex, I am still unable to become physically aroused when sex is initiated by me or my partner	32%	34%	66%	

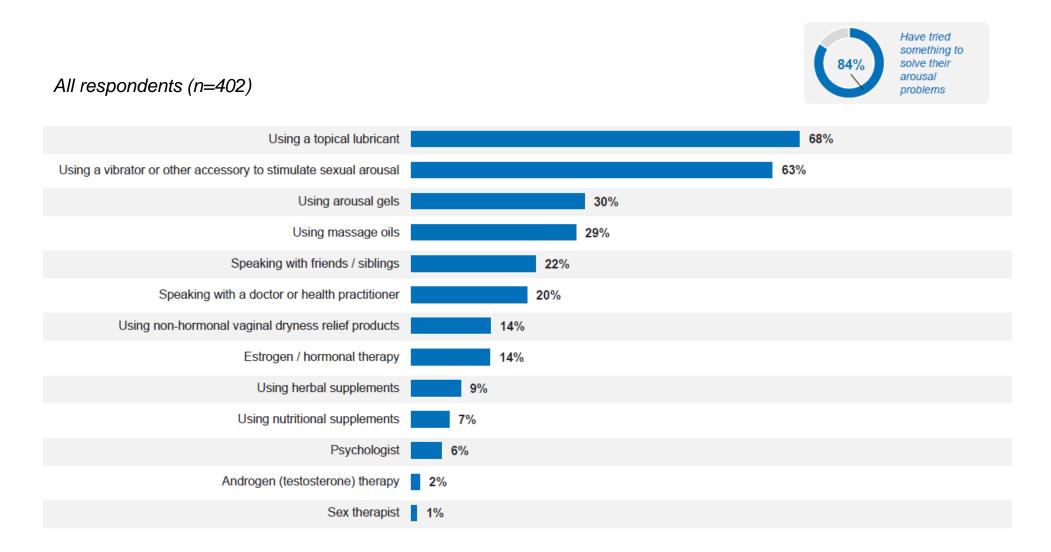


Psychological Impact of FSAD





Without an FDA Approved Product for FSAD, Women's Options are Suboptimal





Sildenafil Cream, 3.6% Product Profile Market Research



Sildenafil Cream, 3.6% Concept Testing



402 American women between the ages of 21 and 60 and suffering from *Female Sexual Arousal Disorder* (FSAD) were surveyed via web panel between November 18 and 23, 2015.



The purpose of this study is to measure the market potential of a topical cream version of *sildenafil* targeting women as a potential remedy for FSAD.



What degree of consumer interest is there in this product idea?

- A significant degree. Many FSAD sufferers have been experiencing symptoms for more than a year. In addition to the physical symptoms they experience, the psychological impact of the disorder is quite burdensome.
- On average, FSAD sufferers have tried approximately **3 different remedies** chief among them **topical lubricants** and **vibrators**. However, they have found little to no relief.
- FSAD sufferers like the idea. They perceive it to be **different** from other remedies they have put to the test and they believe it will **meet their needs**.
- FSAD sufferers are ready to try something new especially one that promises no side effects.

2

What are the potential drivers of and barriers to adoption of the product?

Potential Drivers	Potential Barriers
They want to give it a try . They are ready to try something new.	Embarrassment (in front of their partners, doctors and pharmacists).
They want to increase their sex drive/sexual arousal.	Believability : will it work? They have tried many other "remedies" that have not.



Sildenafil Cream, 3.6% Concept Testing

3

What are the most motivating claims?

- In concrete terms, the elements of the concept they like the most are:
 - No side effects (the #1 claim, by a very wide margin);
 - Proven safe;
 - Clinically tested;
 - ✓ Odorless;
 - Absorbs completely;
 - Available without a prescription.



- Any support point that enhances the legitimacy of the product is naturally motivating, be it:
 - Doctor recommended;
 - ✓ Available by prescription only for two years before being available without a prescription;
 - ✓ The same active ingredient as in *Viagra* (although slightly less so than the previous two).



Sildenafil Cream, 3.6% Concept Testing – Cream Formulation

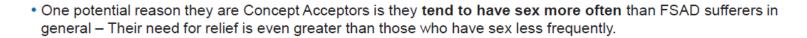


Sildenafil Cream, 3.6% Concept Testing – Concept Acceptors

5

What is the profile of *Concept Acceptors* (in terms of symptoms experienced, relationship to the condition of FSAD, etc.)?

- Concept Acceptors are not widely different from FSAD sufferers as a whole. However, they do appear to be the most severe sufferers of FSAD:
- The intensity of their symptoms and feelings is much stronger.
- They experience some of the physical symptoms more frequently, such as:
 - · Lack of genital wetness or lubrication;
 - · Lack of genital or clitoral fullness, pressure or engorgement;
 - · Lack of desire for intimacy and;
 - Genital tenseness or tightness.
- Not surprisingly, they have an even deeper desire:
 - . For their bodies to respond to touch and intimacy, the way they used to;
 - To have help becoming/staying physically aroused.
- On an emotional level, they are <u>even MORE</u>...
 - · Bothered by their low sexual desire;
 - · Dissatisfied with their sex lives;
 - · Frustrated with their sexual problem;
 - Engulfed by guilt about their sexual difficulties;
 - Worried about sex;
 - · Likely to feel sexually inadequate/inferior and;
 - Embarrassed.







Sildenafil Cream, 3.6% Concept Testing – Purchase Interest

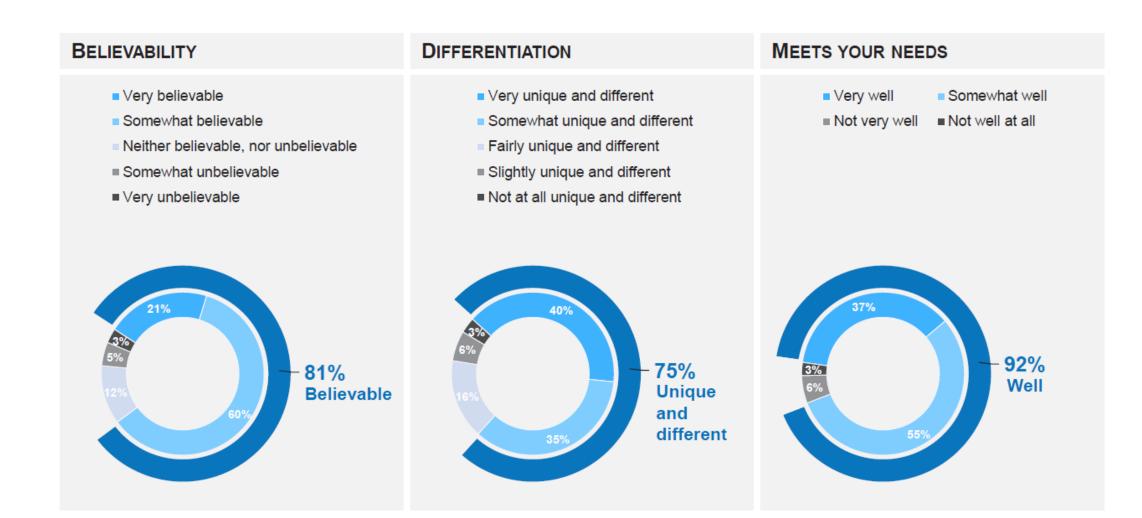
- 82% of respondents indicated they would be likely to purchase, the product if it were currently available.
- A subgroup of respondents aged 35-54 had a higher purchase interest (86%) vs. the aggregate (82%).

	Total	Age g	Iroup	FSAD LT SA 35-54		
	n=402	21-44 n=195	45-60 n=207	Yes n=120	No n=282	
Likely	82%	81%	84%	86%	80%	
Very likely	35%	31%	39%	46% 🛧	29% 🔸	
Somewhatlikely	47%	50%	44%	40% 🔸	51% 🛧	
Neither likely, nor unlikely	10%	9%	12%	10%	10%	
Unlikely	8%	11% 🛧	5% 🕇	4%	10%	
Somewhat unlikely	4%	6%	3%	2%	6%	
Very unlikely	4%	5%	2%	2%	4%	

* LT- in a long-term relationship SA - currently sexually active 35-54 - ages of 35 to 54



Sildenafil Cream, 3.6% Concept Testing – Believability & Viability





Sildenafil Cream, 3.6% Concept Testing – Concept Appeal

- The majority of respondents (89%) considered the concept appealing.
- The largest proportion of respondents to consider the concept very appealing were women between the ages of 35-54.

	Total	Age group		FSAD LT SA 35-54 [*]		
	n=402	21-44 n=195	45-60 n=207	Yes n=120	No n=282	
Appealing	89%	88%	91%	95% 🛧	87% 🔸	
Very appealing	44%	41%	48%	50%	41%	
Somewhat appealing	46%	47%	44%	45%	46%	
Neither appealing, nor unappealing	6%	6%	7%	4%	8%	
Unappealing	4%	6% 🛧	2% 🔸	2%	6%	
Somewhat unappealing	3%	4%	2%	1%	4%	
Very unappealing	1%	2% 🕈	0% 🔸	1%	2%	

* LT- in a long-term relationship SA - currently sexually active 35-54 - ages of 35 to 54

