Therapeutics MD°

A Woman's Health Company



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Forward-Looking Statements

This presentation by TherapeuticsMD, Inc. (referred to as "we" and "our") may contain forward-looking statements. Forward-looking statements may include, but are not limited to, statements relating to our objectives, plans and strategies as well as statements, other than historical facts, that address activities, events or developments that we intend, expect, project, believe or anticipate will or may occur in the future. These statements are often characterized by terminology such as "believe," "hope," "may," "anticipate," "should," "intend," "plan," "will," "expect," "estimate," "project," "positioned," "strategy" and similar expressions and are based on assumptions and assessments made in light of our managerial experience and perception of historical trends, current conditions, expected future developments and other factors we believe to be appropriate.

Forward-looking statements in this presentation are made as of the date of this presentation, and we undertake no duty to update or revise any such statements, whether as a result of new information, future events or otherwise. Forward-looking statements are not guarantees of future performance and are subject to risks and uncertainties, many of which may be outside of our control. Important factors that could cause actual results, developments and business decisions to differ materially from forward-looking statements are described in the sections titled "Risk Factors" in our filings with the Securities and Exchange Commission, including our most recent Annual Report on Form 10-K and Quarterly Reports on Form 10-Q, as well our current reports on Form 8-K, and include the following: our ability to maintain or increase sales of our products; our ability to develop, protect and defend our intellectual property; our ability to develop and commercialize our hormone therapy drug candidates and obtain additional financing necessary therefor; the length, cost and uncertain results of our clinical trials; potential adverse side effects or other safety risks that could preclude the approval of our hormone therapy drug candidates; our reliance on third parties to conduct our clinical trials, research and development and manufacturing; the availability of reimbursement from government authorities and health insurance companies for our products; the impact of product liability lawsuits; the influence of extensive and costly government regulation; the volatility of the trading price of our common stock; and the concentration of power in our stock ownership.

PDF copies of press releases and financial tables can be viewed and downloaded at our website: http://www.therapeuticsmd.com/ pressreleases.aspx.

TherapeuticsMD (TXMD)

Innovative women's health company exclusively focused on developing and commercializing products for women throughout their life cycles



Drug candidate portfolio is built on patented SYMBODA™ technology, developed to enable new bio-identical hormone combinations, forms and administration routes

Pipeline Targets Large Markets

Pre-Cl	inical Phase 1	Phase 2	Phase 3	U.S. Market Opp. (\$MM)
17ß Estradiol in VagiCap™		TX-004HR		\$1,546 ¹
Combination: 17ß Estradiol + Pro	gesterone	TX-001HR		\$2,200 ^{1,2}
Oral Progesterone		TX-002HR	TXMD temporarily stopped trial	\$416 ¹
Transdermal Progesterone	TX-005HR			\$407 ³
Transdermal Estradiol + Progeste	erone TX-006HR			\$81 ¹

¹⁾ Symphony Health Solutions PHAST 2.0 Prescription Monthly Data, 12 months as of June 30, 2015. 2) Pinkerton, J.V. 2015. Menopause, Vol.22, No.9, pp 0-11.

Pinkerton, J.V. 2015. Menopause, Vol.22, No.9, pp 0-11.
 Estimated U.S. sales, based on half estradiol patch sales.

^{*} In July 2014 we temporarily suspended enrollment in the Spry Trial and, in October we temporarily stopped it in order to update the Phase 3 protocol based on discussions with the FDA. We intend to update the Phase 3 protocol to, among other things, target only those women with secondary amenorrhea due to polycystic ovarian syndrome and to amend the primary endpoint of the trial.

Key Milestones

Phase 3 Rejoice Trial last subject last visit ■ NDA filing TX-004HR

 Transdermal estradiol and progesterone Phase 1 results

3Q 15

4Q 15

1H 16

2H 16

- Report Phase 3Rejoice Trial topline results
- Complete Phase 3Replenish Trial enrollment
- NAMS meeting
 - 3 presentations
 - Compounding symposium

- Phase 3 Replenish Trial last subject out
- Report Phase 3 Replenish Trial topline results (4Q 16 – 1Q 17)
- Transdermal estradiol and progesterone Phase 2 results

TX-004HR VVA Program



Overview – Vulvar and Vaginal Atrophy (VVA)

- Diagnosed in approximately 50% of postmenopausal women¹
- Most bothersome symptom commonly reported is dyspareunia¹
- FDA guidance for efficacy requirements:
 - Statistically significant increase in superficial cells
 - Statistically significant decrease in parabasal cells
 - Statistically significant change in vaginal pH
 - Statistically significant reduction in severity of dyspareunia

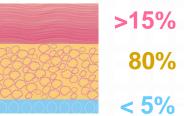
Healthy Vaginal Tissue

ricaltify vaginar 1133uc

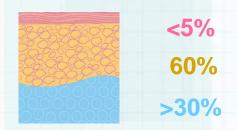
Superficial cells:

Intermediate cells:

Parabasal cells:



Atrophic Vaginal Tissue



VVA Market – Established and Growing

- U.S. sales more than doubled since 2008
- Global market expected to be \$2.1 billion in 2022⁴
- Currently no generic competition
- 32 million U.S. women currently experiencing VVA symptoms

Product ²	Compound	TRx ¹ 12 Month Rolling (000)	U.S. Sales (\$MM) ¹ 12 Month Rolling	WAC Price ³
Premarin® Cream	Equine vaginal estrogen	1,774	\$511	\$263.52
Vagifem® Tablets	Vaginal estradiol	1,851	\$463	\$306.00*
Estrace® Cream	Vaginal estradiol	1,751	\$406	\$240.05
Osphena® Tablets	Oral SERM	280	\$67	\$158.00
Estring [®]	Vaginal estradiol ring	336	\$99	\$283.66
Total		5,992	\$1,546	

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²⁾ Ferning data is excluded use to vivin indication.

3) Medi-Span Price Rx Basic as of 6/10/15. * for 18 tablets (\$136.00 WAC for 8 tablets)

4) GlobalData July 2013 report GDHC54PIDR.

VVA Market Dynamics – Ready for New Product

Only 2.3MM U.S. women treated with Rx product



Creams

- Messiness²
- Long-term safety²
- Dose preparation by user required³

Tablets

- Long-term safety²
- Systemic absorption²



Mean treatment duration

46 days



103 days⁴

duration

Women primed for conversion to new product

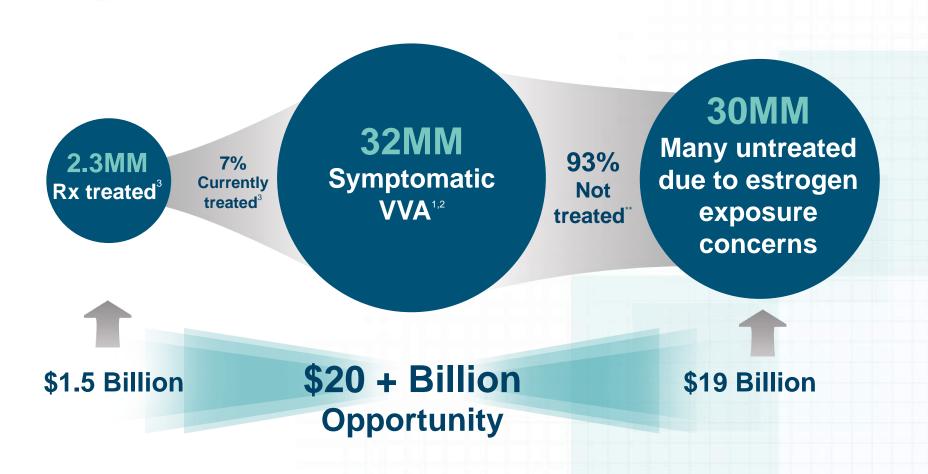
IMS Health Plan Claims (April 2008-Mar 2011).

²⁾ Wysocki, S et al, Management of Vaginal Atrophy: Implications from the REVIVE Survey. Clinical Medicine Insights: Reproductive Health 2014:8 23-30 doi:10.4137/

³⁾ The North American Menopause Society. Management of symptomatic vulvovaginal atrophy: 2013 position statement of The North American Menopause Society. Menopause.

^{2013;20(9):888-902.}

30MM Women with VVA Untreated in U.S.**



¹⁾ The North American Menopause Society. Management of symptomatic vulvovaginal atrophy: 2013 position statement of The North American Menopause Society. Menopause. 2013;20(9):888–902.

²⁾ Gass ML, Cochrane BB, Larson JC, et al. Patterns and predictors of sexual activity among women in the hormone therapy trials of the Women's Health Initiative. Menopause. 2011;18(11):1160–1171.

³⁾ IMS Health Plan Claims (April 2008-Mar 2011).

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Vagifem® 25 mcg to 10 mcg Market Share

	Vagifem				
Year	2009	2014			
Dosage Strength	25 mcg*	10 mcg*			
Market Share ¹ (%)	40%	32%			

- VVA market TRx increased 15% 2009-2014
- Vagifem had an 18% decrease of its own market share moving to 10 mcg only

TX-004HR – Target Product Profile

Target Goals

Preliminary Supportive Data

Lower systemic exposure

Phase 1 data with 10 mcg and 25 mcg suggest lower systemic absorption

Faster onset of action

Phase 2 demonstrated efficacy in 14 days

New lower effective dose

Phase 3 evaluating broad range of doses, including 4, 10 and 25 mcg

Improved user experience

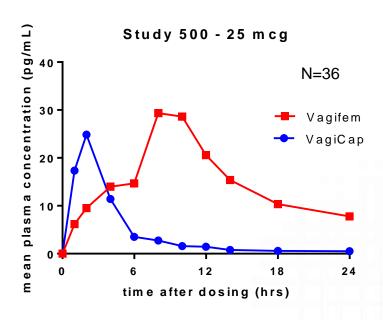
Phase 2 showed patient satisfaction; 97% said "easy to use"

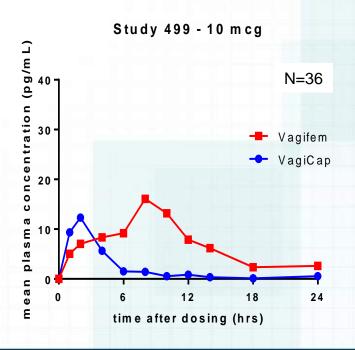
Target Product Profile being evaluated in ongoing Phase 3 Rejoice Trial

TX-004HR vs. Vagifem® Phase 1 Single Dose PK Studies

Key Findings

- Tmax ~2 hours with TX-004HR and ~8 hours with Vagifem
- Systemic absorption AUC (0-24 hours) is 2- to 3-fold lower with TX-004HR relative to Vagifem





TX-004HR Phase 2 Study Double-blind and Placebo-controlled

Study Design

- 48 postmenopausal women with VVA (24 active, 24 placebo)
- Randomized 1:1 to 10 mcg; 1x daily for 2-week period
- Endpoints measured at 2 weeks; same endpoints to be measured in Phase 3 at 12 weeks

Co-primary Endpoint Results¹

- Increase in superficial cells 35% treatment vs. 4% placebo (P=0.0002)
- Decrease in parabasal cells 54% treatment vs. 4% placebo (P<0.0001)
- Decrease in vaginal pH -0.97 units for treatment vs. -0.34 units for placebo (P=0.0002)
- Numerical reduction of most bothersome symptoms

Secondary Endpoint Results

- Improved patient satisfaction, 97% said easy to use²
- Reduction in atrophic effects on epithelial integrity and vaginal secretions³

TX-004HR Vaginal Estradiol U.S. Launch Timeline



Q1 '15	Q2 '15	Q3 '15	Q4 '15	Q1 '16	Q2 '16	Q3 '16	Q4 '16	Q1 '17
		Enrollment Completed	Topline Report					
			NDA Prep/Filing/PDUFA					
	Pha	ıse 3						

- Phase 3 Trial¹: 12 weeks, ~100 sites
- Subjects: ~700 fully enrolled as of June 2015
 - 3 active arms: 4 mcg, 10 mcg, 25 mcg (~175 per arm)
 - 175 placebo
- FDA required Co-Primary Endpoints for Proposed Indication

(from baseline to week 12 versus placebo)^{2,3}

- Statistically significant increase in the % of vaginal superficial cells
- Statistically significant decrease in the % of vaginal parabasal cells
- Statistically significant change in vaginal pH
- Statistically significant reduction in the severity of dyspareunia

Additional Endpoints

- PK measures Days 1,14, 84
- FSFI (Female Sexual Function Index), acceptability survey

TX-004HR Phase 3 Trial **Timelines & Milestones**



1st Subject **Screened**

Q3

2014

Last **Subject Enrolled**

Q2

2015

Q3

Last Subject Complete*

(Endometrial biopsy rate limiting)

2015

2015

Database Lock

Q4 2015

1st Subject Randomized

Last **Subject** Last Visit**

Topline Report

Last Subject Last Visit Details*

- Last subject last visit scheduled for Sept 2015
- Endometrial biopsy (EB) 3 independent pathologists must read
- If insufficient tissue, repeat EB
- If insufficient tissue on repeat biopsy transvaginal ultrasound (TVU) assessment
- If endometrium >4 mm on TVU, then hysteroscopy guided biopsy with specimens sent to all three pathologists



Menopause Overview

Menopause represents the natural life-stage transition when women stop having periods and may result in physical and emotional symptoms.

- Average age of menopause is 51 years¹
- Hot flashes are due to lower estrogen levels
- Estrogen is given to reduce hot flashes
- Estrogen causes the uterus to thicken (hyperplasia)
- Progesterone is given to non-hysterectomized women to prevent thickening of the uterus

FDA Approved Hormone Therapy Market Size

FDA-Approved Product		U.S. Sales (\$MM)¹	Company
17β Estradiol + NETA / DSP Activella® / FemHRT® / Angeliq®	Non bio-identical containing progestins	\$37	WARNER CHILCOTT NOVO NOT disk
Generic 17β + Progestins	Non bio-identical containing progestins	\$230	ਸਤਾ/ਹ Pharmaceuticals
Premarin + MPA Prempro® / Premphase®	Non bio-identical CEE + progestin	\$339	Pfizer
Premarin + SERM Duavee®	Non bio-identical CEE + SERM	\$19	Pfizer
Paroxetine Brisdelle®	SSRI non-hormonal	\$36	PHARMAGEUTICALS, INC.
Total FDA-Approved Oral Co	mbination Sales	\$661	

Hormone Therapy Market = Two Markets

Total Combination E+P Market

\$2.2 billion =

\$661MM¹

FDA-Approved
No Bio-identical Combinations

\$1,500MM²

Compounded Bio-identical Estradiol / Progesterone

Number of U.S. Women Using Non-FDA-Approved Compounded HT



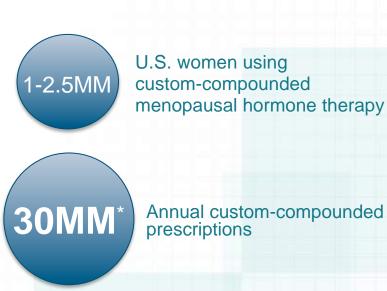
Pinkerton, J.V. Compounded bio-identical hormone therapy: identifying use trends and knowledge gaps among U.S. women. *Menopause* Vol.22, No.9, 2015.



Pinkerton, J.V. Menopause Hormone Therapy (MHT) Usage: FDA-Approved MHT has decreased while Compounded non-FDA-approved MHT has increased, ENDO, 2015.



Archer, D.F., et al. Prevalence of Use and Cost of Compounded Menopausal Hormone Therapy (CMHT) 2015 ACOG, presentation, May, 2015.



\$49

Average monthly cash cost

Evidence Supports Bio-identical Progesterone Favorable Clinical Profile Compared to Synthetic Progestins

Bio-identical Progesterone	Synthetic Progestins	References
Favorable CNS profile	No benefit on sleep properties	Freeman E, et al ¹
Favorable breast profile	Increased risk of breast cancer	E3N-EPIC ²
Favorable cardiovascular profile	Increased risk of MI, stroke, VTE	PEPI ³ , ELITE ⁵
Favorable lipid profile	Less favorable lipid profile effects (cholesterol, LDL, triglycerides)	PEPI ³
Adequate endometrial protection	Adequate endometrial protection	PEPI ⁴
Low incidence of bleeding	High incidence of bleeding	Lorrain, et al. ⁶

¹⁾ Freeman E, Rickels K, Sondheimer S J, et al. A double-blind trial of oral progesterone, alprazolam and placebo in treatment of severe premenstrual syndrome. JAMA. 1995;274;51–57.
2) Fournier A, Berrino F, Clavel-Chapelon F. Unequal risks for breast cancer associated with different hormone replacement therapies: results from the E3N cohort study. Breast Cancer Res Treat. 2008;107:103–111
3) Writing Group for the PEPI Trial . Effects of estrogen or estrogen/progestin regimes on heart disease. Risks factors in postmenopausal women. JAMA. 1995;273:199–208.

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⁴⁾ The Writing Group for the PEPI Trial. Effects of hormone replacement therapy on endometrial histology in postmenopausal woman. The postmenopausal estrogen/progestin interventions (PEPI) trial. JAMA. 1996;275;370–375.

Evidence Supports Bio-identical Estradiol Favorable Clinical Profile Compared to Conjugated Estrogens

"CEEs (Premarin) were associated with a higher incidence of venous thrombosis and myocardial infarction than estradiol."

— Journal of the American Medical Association, September 2013

"Oral estradiol may be associated with a lower risk of stroke ... compared with conventional-dose oral CEE."²

- Menopause, September 2014

The ELITE trial demonstrated that estradiol is cardioprotective when given during the early postmenopausal years.³

- Circulation, November 2014

Cochrane meta analysis demonstrated that estradiol is cardioprotective and reduced overall mortality when given 10 years before the onset of menopause.⁴

- Cochrane Collaboration, 2015

Medical Societies Express Concern Over Compounded Hormones











- ACOG and ASRM Committee Opinion states compounded hormones may pose additional risks compared to FDA approved products¹
 - Lack of Good Manufacturing Practices (GMP)
 - Variable purity
 - Variable content uniformity
 - Variable potency (under/over dose)
 - Not approved for efficacy and safety
 - Lack of stability data
- Medical societies' global consensus statement declares that the use of custom-compounded hormone therapy is not recommended²

Compounding Regulations and Enforcement

Drug Quality and Security Act (DQSA)¹

- Prohibits compounding of essential copies of an FDA-approved drug except in limited circumstances such as drug shortages
- Anticipate significant impact on compounding upon FDA-approval of first combination hormone therapy product

USP 800 – Hazardous Drugs^{2,3}

- New identification requirements for receipt, storage, mixing, preparing, compounding, dispensing, and administration of hazardous drugs
- Considered "prohibitively expensive" requiring major pharmacy upgrades and renovations to be compliant





3) https://www.ascp.com/sites/default/files/Joint%20USP%20letter%202015%20FINAL.pdf

TX-001HR – Target Product Profile

Target Goals

Meet patient demand for bio-identical hormones

New lower effective dose

Labeling differentiation

Leverage data on natural progesterone and 17β estradiol

Preliminary Supportive Data

Potential for FDA-approved first natural estradiol plus natural progesterone combination softgel

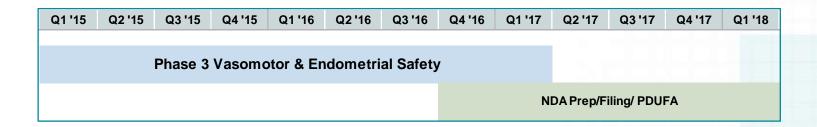
Broad range of doses being evaluated in Phase 3

Bio-identical terminology as both hormones similar to those produced by the ovary

Inclusion of progesterone/estradiol differences data via label negotiation

Target Product Profile being evaluated in ongoing Phase 3 Replenish Trial

TX-001HR Estradiol + Progesterone U.S. Launch Timeline



- Phase 3 Replenish Trial to enroll 1,750 subjects at ~100 U.S. sites
 - Four active arms (N=400/arm)
 - Estradiol 1 mg/Progesterone 100 mg
 - Estradiol 0.5 mg/Progesterone 100 mg
 - Estradiol 0.5 mg/Progesterone 50 mg
 - Estradiol 0.25 mg/Progesterone 50 mg
 - Placebo arm (N=150)
- 12-month study with 12-week VMS substudy endpoints:
 - Vasomotor substudy: number and severity of hot flashes (4 weeks and 12 weeks)
 - Endometrial safety: incidence of endometrial hyperplasia (12 months)



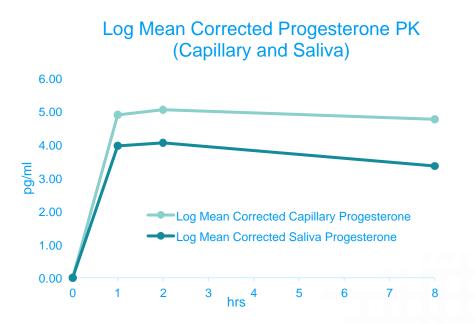
Early Stage Pipeline: Transdermal Programs

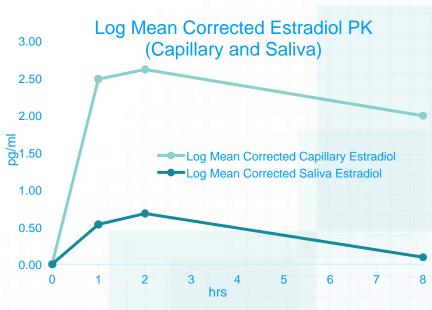
Why Transdermal?

- Transdermal delivery perceived safer due to a lower first-pass effect
- No FDA-approved transdermal progesterone
- New TXMD PK data suggest leveraging solubilized progesterone, show elevated and sustained transdermal levels
- Leveraging this technology creates an opportunity for new progesterone IP, products and novel dosage forms

E+P Topical PK Results

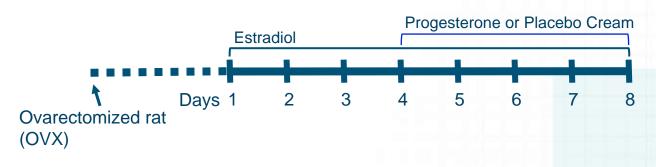
New Formulation PK Data Suggest Sustained 8-hour Duration¹

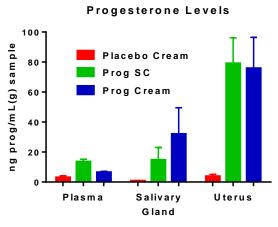


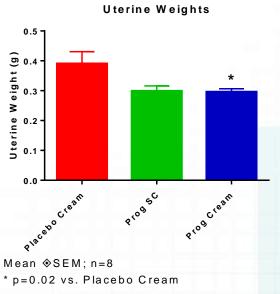


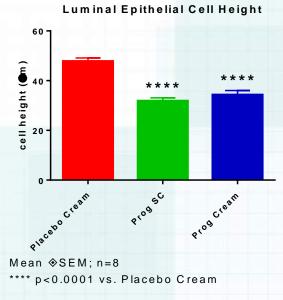
- Levels in the saliva and capillary samples are higher than in the serum,
 where it was not detectable¹
- Consistent with published article from Du and Stanczyk 2013²

Proof Of Concept Efficacy Study









Transdermal Market Opportunity

Product (Combination E+P)	TRx ¹ (000)	U.S. Sales (\$MM)¹	Company
Estradiol/Levonorgestrel (Climara Pro®)	111	\$23	BAYER
Estradiol/Norethindrone Acet (CombiPatch®)	383	\$58	PHARMACEUTICALS, INC.
Total Combination Transdermal Sales	494	\$81	
Product (Estradiol Only)	TRx ¹ (000)	U.S. Sales (\$MM)¹	Company
Estradiol (Patch, Gel, Spray) (Alora®, Climara®, Estraderm®, Menostar®, Vivelle®, Vivelle-Dot®,	5,674	\$814	NOVARTIS Allergan MEDA ASCEND THERAPEHILICS
Minivelle®; Divigel®, Elestrin®, Estrogel®; Evamist®)			Lumara Health™
Total Estradiol			



Growing Patent Portfolio

	Filed	Provisional	Non- Provisional	Issued
U.S.	48	15	22	11
Ex-U.S.	61			

- Seven new patents issued in 2015 strengthening competitive barriers to entry and building on layered coverage strategies
- Others issued:
 - Field spanning estradiol and progesterone pharmaceutical compositions and methods
 - OPERA reporting and analysis software patent
- Layered patent strategies
 - Field spanning pharmaceutical compositions and methods by family of estradiol and progesterone alone and in combination
 - Siloed strategy for each product

Worldwide Patent Filings*

Strong IP Portfolio with 61 Patents Pending in 12 Jurisdictions Outside the United States





Investment Rationale

- Worldwide commercial rights for multiple hormone therapy products in Phase 3 and earlier stages:
 - Well-known chemical entities with established safety and efficacy thresholds; 505(b)(2)
 - Unique, large, and growing markets with favorable competitive dynamics (DQSA)
 - Additional early stage pipeline candidates
 - Strong foreign IP portfolio with 61 patent applications pending in 12 foreign jurisdictions
- Growing U.S. commercial business marketing prescription and OTC prenatal vitamins
 - Customer base of OB/GYNs and other women's health specialists
 - Recognized by Deloitte Technology Fast 500 as 41st in North America
- Experienced management team with proven development and commercial success in women's health

TXMD: Financial Snapshot

Listing Exchange

NYSE MKT

Shares outstanding

177.5 million (as of August 3, 2015)

Cash

\$67.2 million (as of June 30, 2015)

Financing net proceeds

\$32.2 million (offering July 10, 2015)

Debt

\$ 0 million

Thank You!

TherapeuticsMD®

www.TherapeuticsMD.com



Long-Term Growth Opportunity

DIVERSE PRODUCT PORTFOLIO

- Two Phase 3 products
 - Trial completion for lead product expected Q4 2015
 - Complete enrollment for second product expected Q4 2015
- Pipeline of 8 novel products
- Expedited and cost effective development 505(b)(2) pathway
- Unpartnered with worldwide rights

LARGE UNDERSERVED MARKETS

- Phase 3 products address
 ~85 million patients
- Unmet need for safe and effective treatments
- DQSA supports commercial opportunity
- Initial HT market opportunity >\$3.5B

WOMEN'S HEALTH EXPERTISE

- Experienced clinical team
- Existing commercial infrastructure
- Established customer relationships (OB/GYNs)

SYMBODA[™] TECHNOLOGY

- Addresses key formulation and delivery challenges
- VagiCap[™] enhanced gelcap technology
- Transdermal portfolio in development
- 109 patents filed/granted

EFFICIENT FUNDING

- No debt
- \$200M raised publicly to date

TX-004HR Phase 2 Study Patient Experience Secondary Endpoint

Patient Experience Survey Results Summary

- 97% reported "easy to use"
- 96% reported the TX-004HR softgel (VagiCap[™]) was "easy to insert"
- 94% reported "convenient to use"
- 0% experienced expulsion of capsule
- >60% "very satisfied"; 8% were "dissatisfied"
- 63% reported quality of life was "somewhat better" to "much better" after only 14 days of use