The Power of MPTs: Combining Prevention of HIV, other STIs, and Pregnancy Initiative for MPTs (IMPT)
Young women face complex issues
Women’s Sexual & Reproductive Health Risks are Interlinked

Unintended Pregnancy

HIV

Other Sexually Transmitted Infections (STIs)

Women need better protection
Global Need

- 214 million women have an unmet need for family planning.
- Each day, 817 women die from preventable causes related to pregnancy and childbirth.
- In 2019, 690,000 people died from AIDS related causes and 1.7 million became newly infected with HIV.
- Every 4 minutes, 3 young women are newly infected with HIV.
- Over 1 million people contract a sexually transmitted infection every day.

Interlinked SRH Risks and Unmet Need for Modern Contraception among Women

HIV, HSV-2, HPV*
- Low
- Medium
- High
- No data

Unmet Need**
- Low
- Medium
- High

*Principal component 1: HSV-2, HIV, and HPV by country and region.
**Principal component 2: Unmet need for modern contraception by country. See manuscript for full description of principal components analysis and methods.

Multipurpose Prevention Technologies

MPTs combine protection against:

• Unintended pregnancy
• HIV
• Other STIs

MPTs have the potential to:

• Address overlapping risks
• Synergize prevention approaches
• Increase motivation for adherence
• Destigmatize HIV prevention
• Improve health & economic outcomes
Initiative for MPTs

Mission: To foster an enabling environment for the successful advancement of MPTs for women around the world
Online MPT Product Development Database

Learn more at MPTs101.org
MPTs in the R&D Pipeline

MPTs by Delivery Type (n=24)*

* As of February 2021

Learn more at MPTs101.org
MPTs in the R&D Pipeline

MPTs by Development Stage

- Pre-Clinical Stage: 16
- Clinical Stage 1/2: 6
- Clinical Stage 3/4: 2

MPTs by Indication

- HIV+Pregnancy: 33%
- HIV+Pregnancy+Non HIV STIs: 29%
- HIV+Non HIV STIs: 13%
- Pregnancy+Non HIV STIs: 25%

Learn more at MPTs101.org
Towards a Roadmap for ensuring the most promising MPTs reach the hands of women

Prioritizing MPTs + Investments Using Target Product Profiles

Maximizing Positive Synergies

Strategic Actions for Non-Hormonal Contraceptives + Anti-Infectives

Strategic Actions for Hormonal Contraceptives + Antiretrovirals

Bridging the Gap: Advancing MPTs from the Lab to Hands of End-Users
**MPT Fieldwide Action Areas**

1. **Enhanced product-neutral platform to advance the MPT field**
2. **Improve guidance for combining active pharmaceutical ingredients (APIs)**
3. **Create ecosystem of MPT innovation**
4. **Integrate socio-behavioral & market research into MPT R&D and introduction strategies**
5. **Improve understanding of cervicovaginal microbiome with MPT R&D**
6. **Optimize investments in MPTs**

*Provisional: Action areas currently under review by MPT stakeholders*
Where can MPTs make the most impact?

HIV Prevalence, TAMC and Method Choice among Women 15-24 in SSA

* Data drawn for 34 countries from most recent AiS and DHS. Year of data collection varies.

**HIV prevalence was used in the mapping tool due to unreliable incidence estimates at the time of development. Incidence is the preferred indicator of risk and will be included in the tool in late 2020. Analyses may be repeated at that time.

***TAMC calculated as the weighted number of women who self-reported currently using a modern contraceptive plus the weighted number of women who self-reported not currently using but intend to use in the future divided by the total weighted number of women. (Source: MSH 2010)
IMPT Resource Center

Explore at theIMPT.org/resources
MPTs Combine Prevention

Women’s Health
- STI related infertility and cancer risks
- Pregnancy complications
- Unsafe abortions
- Maternal deaths
- HIV/AIDS

Child Health
- Preterm birth and low birth weights
- High-risk pregnancies and births
- Mother-to-child HIV transmissions
- Under-5 mortalities
- Prenatal care
- Birth spacing

Educational Attainment
- Age at first birth
- Number of years in school
- Women’s earning capacity
- Years in school reduces HIV

Economic Benefits
- Economic development
- Income and assets
- Health care costs
- Lost work days from HIV/STI and birth complications

MPTs
- Empower women & girls

For Healthy Women & Families

Pregnancy

HIV

Other STIs
MPTs have the potential to usher in a reproductive revolution by bridging issues that benefit society, invigorate economies, and improve the health of women, families, and our planet.
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