Exploring the R&D Landscape and Potential of Multipurpose Prevention Technologies

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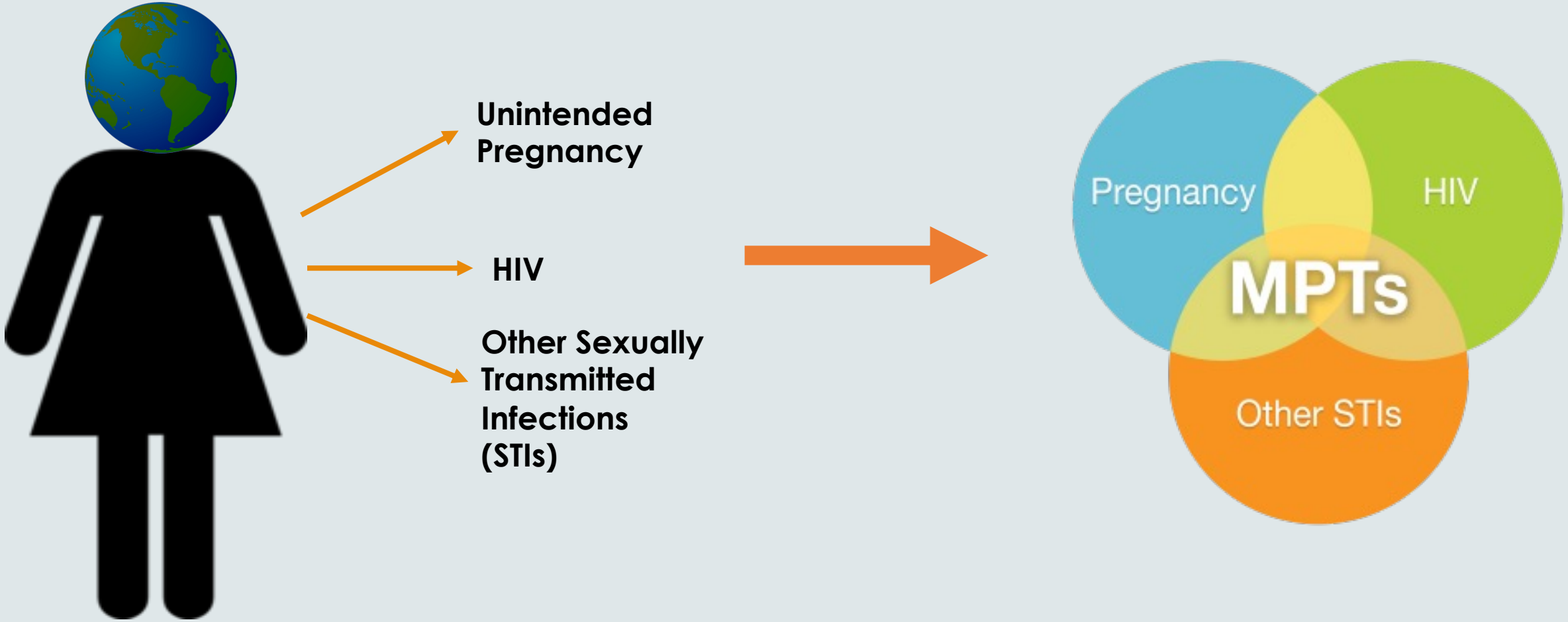
IMPT for Reproductive Health

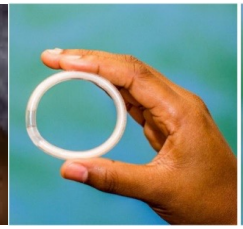
Unmet need for sexual and reproductive health in low- and middle-income countries



Multipurpose Prevention Technologies (MPTs) in R&D Pipeline

Examples of MPTs in development

Fast dissolving inserts


Segmented dual-reservoir ring

Pod ring

Vaginal and Rectal gels

Long-acting injectables

Oral pills

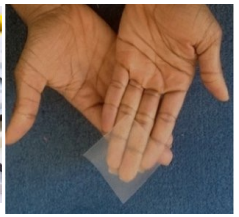
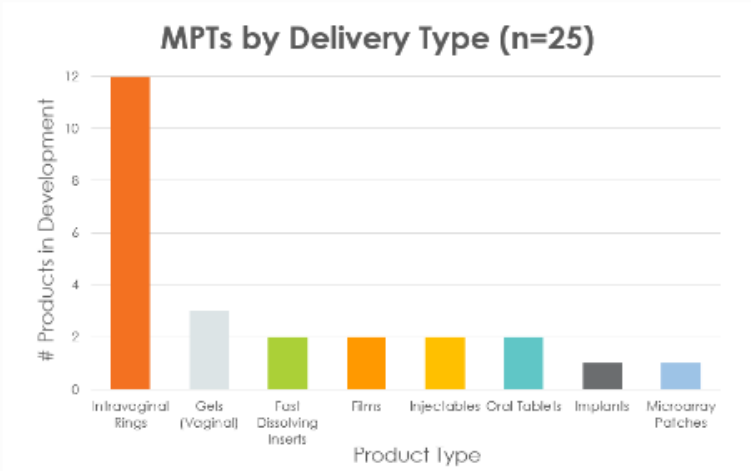
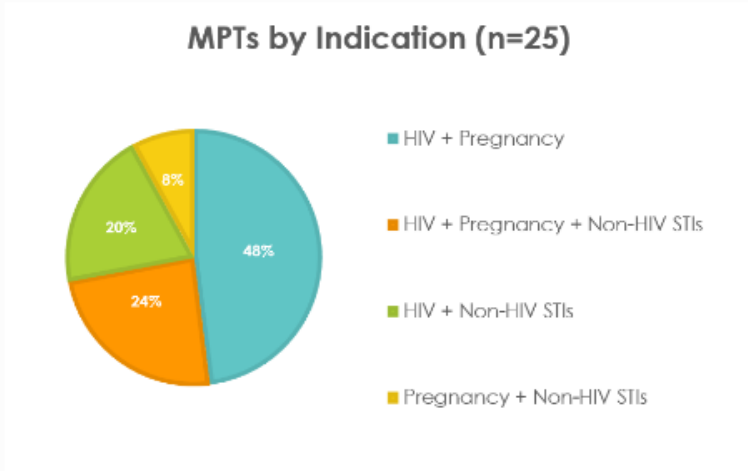
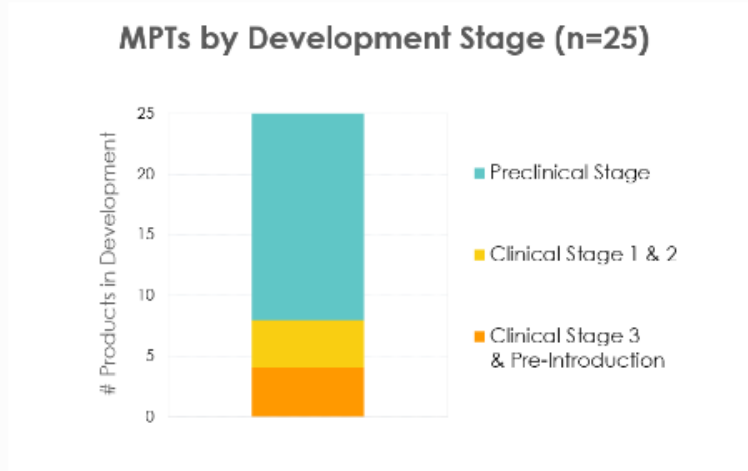

Vaginal films

Image source: MTN. (2018). *MTN 036 In-depth interview topic guide: Ring Comparison Tool* [Photograph]. https://www.mtnstopshiv.org/sites/default/files/mtn_036_idiguide_v1.1_19feb18.pdf







**Adapted from MPT Product Development Database (mpts101.org), October 2022*

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MPTs are **potential game changers**

Opportunities

The **MPT field is new and dynamic**, and has greatly diversified over the past decade.

A **wide range of stakeholders has joined the movement** for MPTs and contributed to expand the field.

The MPT **field builds upon advances in single-indication products** relevant to MPT development (**contraception and HIV PrEP**).

Overwhelmingly women **prefer an MPT over single-indication products**.

End-user research is mandated and incorporated early in R&D to optimize MPT attributes that fit with women's preferences.

Challenges

R&D for MPT products is **complex** and industry involvement is limited; **many products never reach clinical development.**

Equitable access for L/MICs depends on production cost, manufacturing capacity, IP sharing, and availability.

Integration of service delivery models will be required to build the market.

Reaching the full potential of MPTs requires **optimized financial investments and technical resources.**

Explore the MPT Landscape Assessment:

MPTs: Technology Landscape and Potential for Low- and Middle-Income Countries. The IMPT; Unitaid (partnership hosted by the World Health Organization); CIFF. 2021. http://bitly.ws/wn8G

Contact Us

- Learn more about the Initiative for MPTs: **TheIMPT.org**
- Explore the Product Development Database: **MPTs101.org**
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