

Welcome



Empowering a healthy tomorrow

Global Health Standards Program

United States Pharmacopeia—Global Public Health

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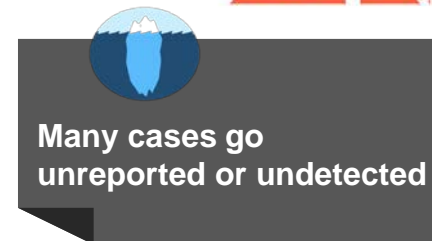




Presentation

- ▶ Global Snapshot of Poor Quality Medicines
- ▶ The Unmet Need of Public Pharmacopeias Standards (Monographs)
- ▶ USP's Longstanding Commitment to Ensuring Medicines Quality Globally
- ▶ Global Health Standards Program

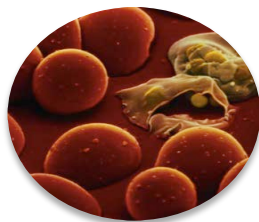
Poor quality medicines are a growing global health threat, disproportionately impacting LMICs



Poor quality medicines endanger public health because they result in:



Morbidity and Mortality



Antimicrobial resistance



Loss of Trust in the healthcare system



Undermined efforts of regulators



Jeopardized investments in global health



Financial and brand value loss to industry

WHO Model List of Essential Medicines



- ▶ Minimum medicine needs for a basic health-care system
- ▶ Most efficacious, safe and cost-effective medicines for priority health care needs
- ▶ The EML guides:
 - the development of national and institutional EMLs
 - the procurement and supply of medicines in the public sector
 - schemes that reimburse medicine costs
 - medicine donations
 - local medicine production

Presence of an entry on the EML carries no assurance as to pharmaceutical quality

“It is the responsibility of the relevant national or regional drug RA to ensure that each product is of appropriate pharmaceutical quality (including stability)”

Monographs provide stakeholders with a standard to ensure the quality of medicines



REGULATORS



PHARMACEUTICAL
INDUSTRY



MANUFACTURERS



GLOBAL HEALTH
DONORS



LEGAL AND TRADE
SECURITY GROUPS

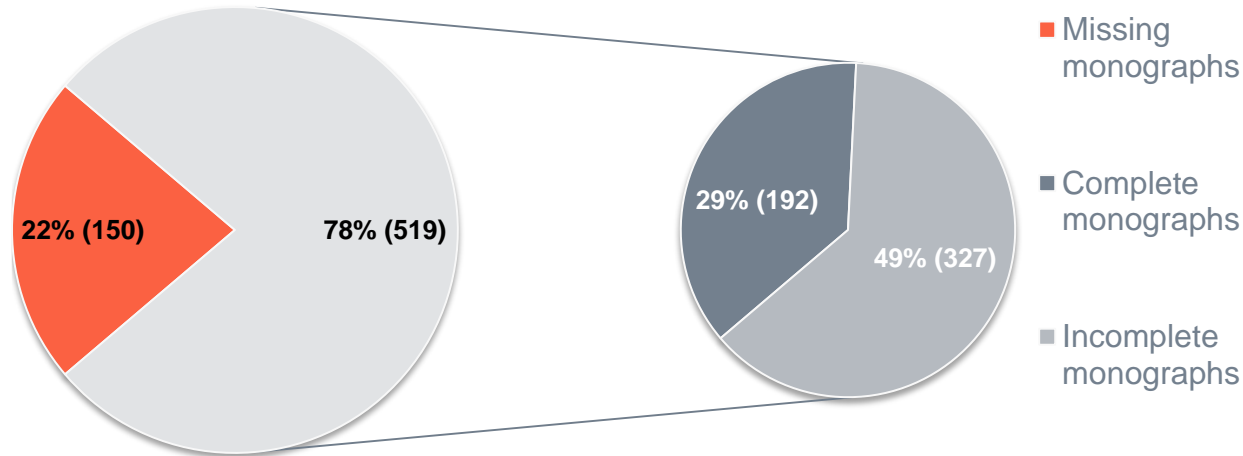
The global health significance of monographs

- ▶ Monographs provide public standards used to determine a product's quality
- ▶ Effectively ensure drug's identity, potency, purity, consistency, and quality
- ▶ Useful as a tool to provide protection to patients throughout a product's lifecycle

Percentage of available monographs for EML medicines across four major pharmacopeias



Currently 22% of Essential Medicines Do Not have Monographs



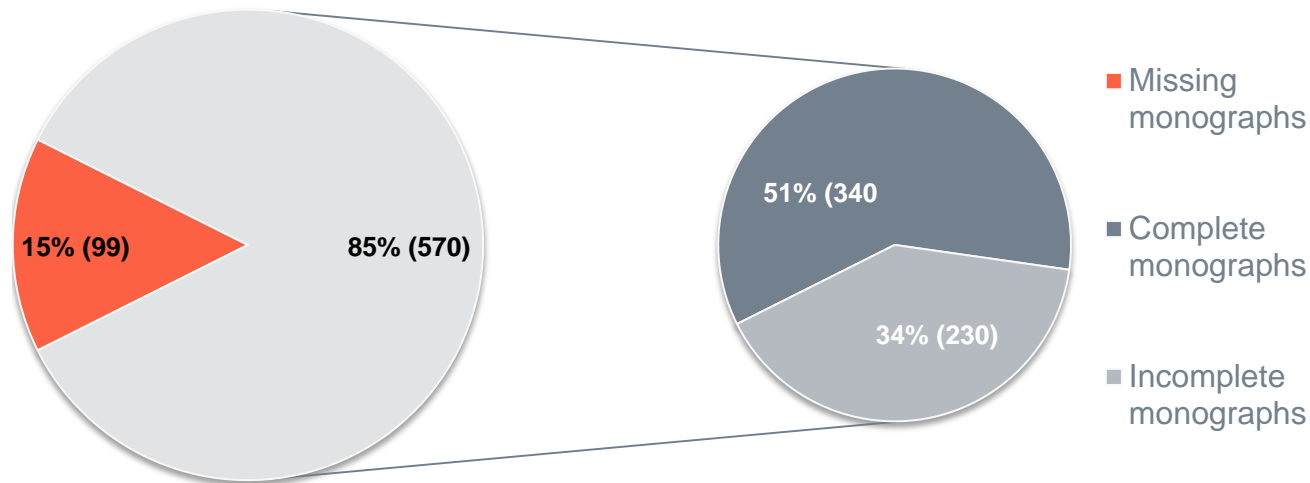
Essential medicines
“satisfy the health care needs of the majority of the population; they should therefore be available at all times in adequate amounts and in appropriate dosage forms, at a price the community can afford”

When looking only at the four major pharmacopeias – BP, JP, Ph. Int. and USP – 22% (150) of medicines have no monograph while a further 49% (327) do not have a complete monograph.

Percentage of available monographs for EML medicines across eight pharmacopeias



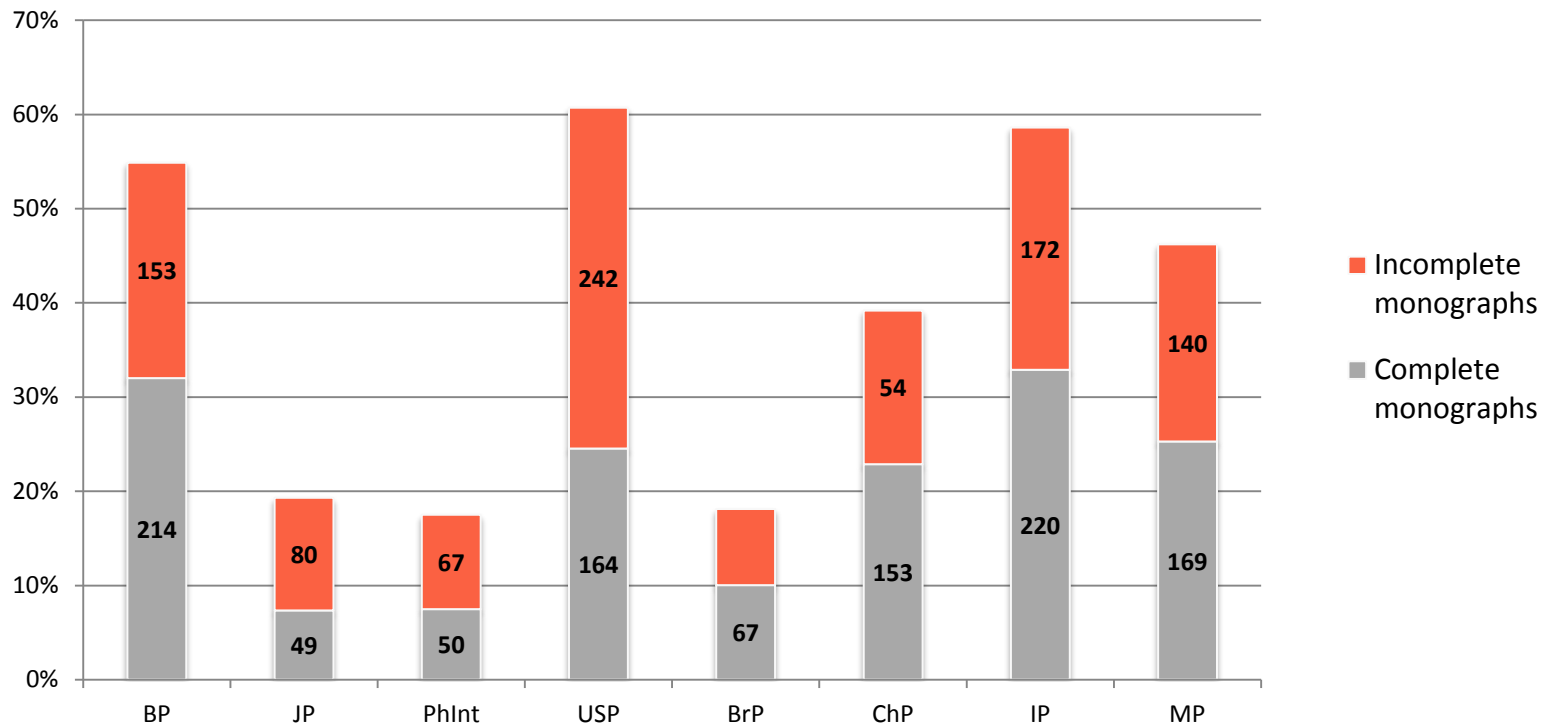
15% of Essential Medicines Do Not have Monographs



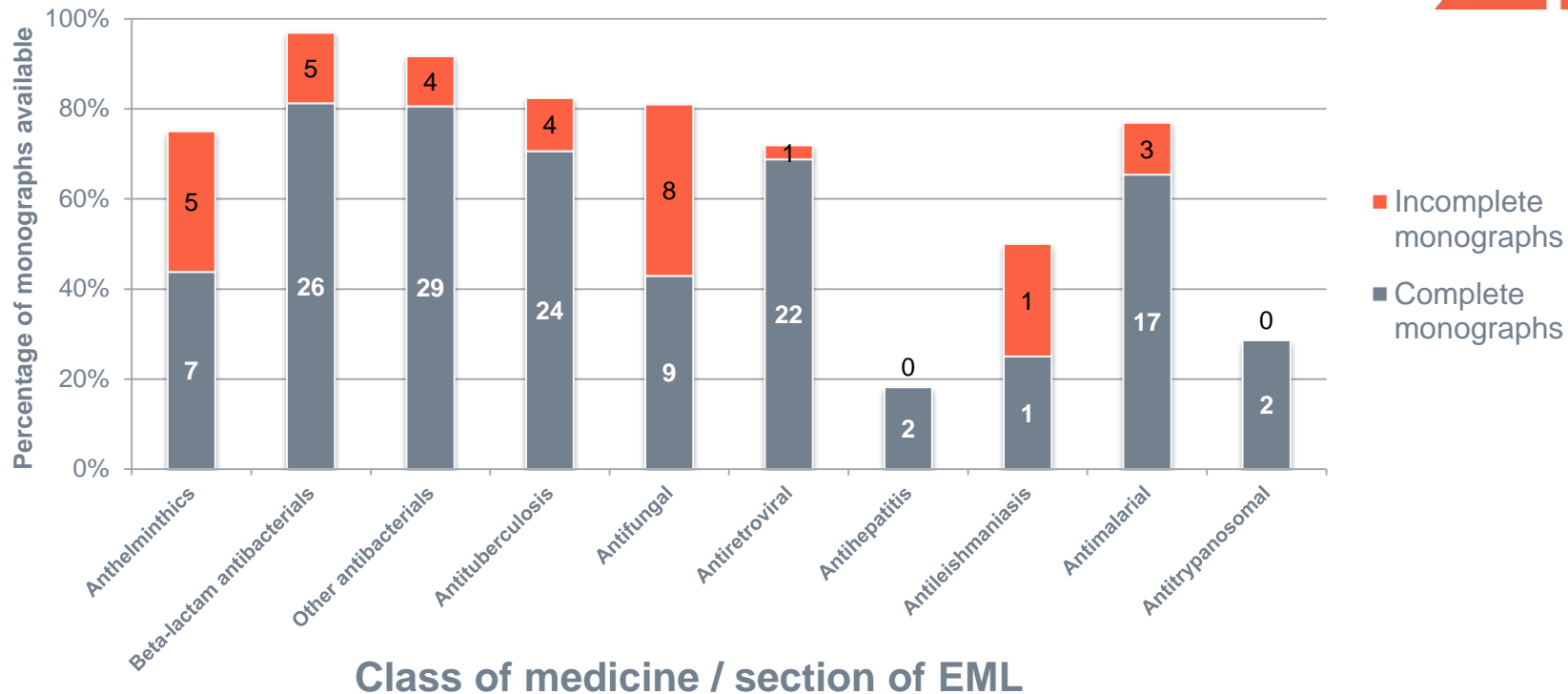
Of the 99 medicines currently without a monograph, 50 are anti-infective medicines

BP, JP, Ph. Int., USP, Brazilian P, Chinese P, Indian P, Mexican P.

Number and percentage of available monographs across eight pharmacopeias

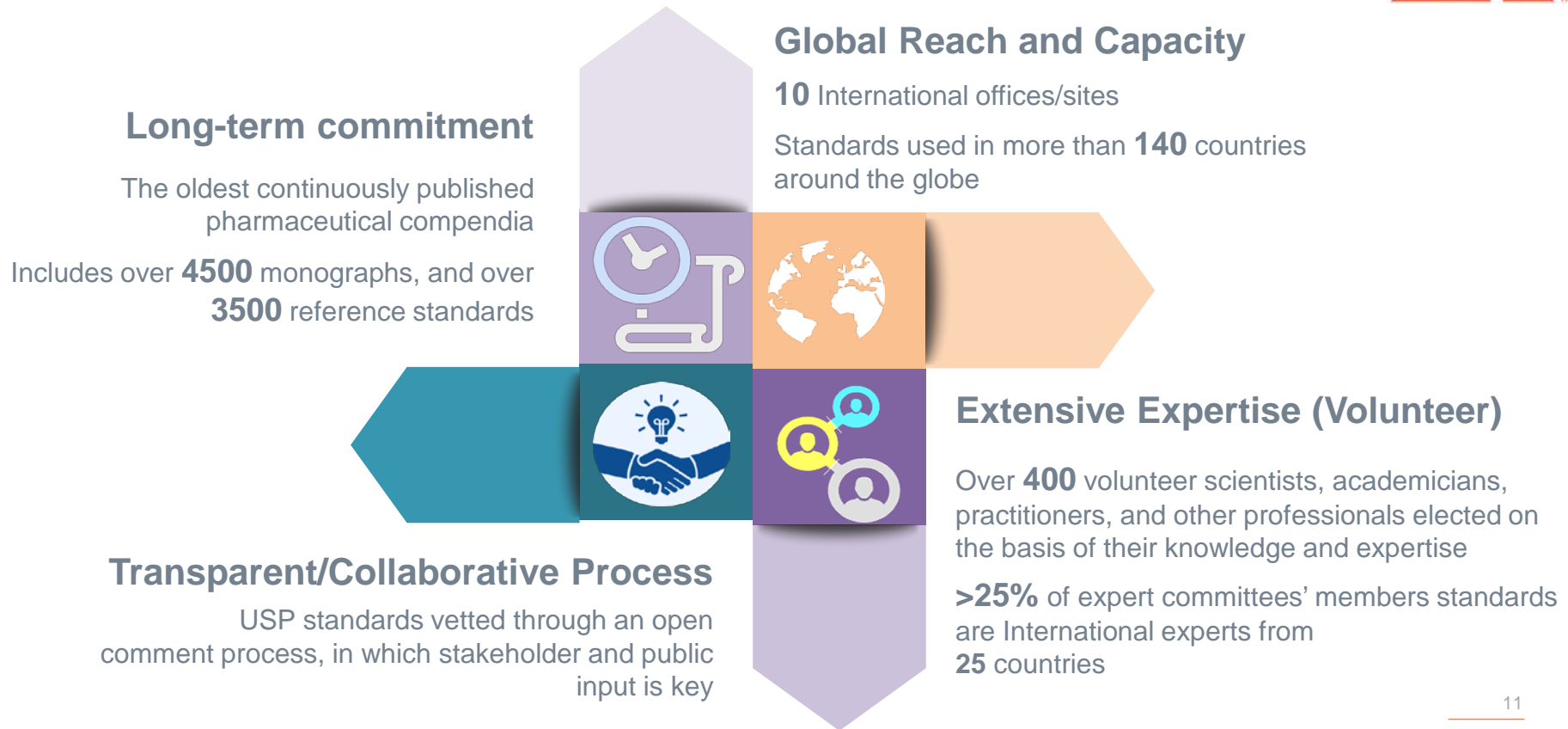


Percentage of monographs available for major classes of anti-infective medicines



97% of the beta-lactams have a monograph in at least one pharmacopeia, and 81% of all the beta-lactam monographs are complete. Contrastingly, 18%, 28% and 23% of antiTB, ARVs, and antimalarial medicines, respectively, do not have a monograph in any of the eight pharmacopeia

United States Pharmacopeia has a longstanding commitment to global public health





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USP's standard setting activities for non-US medicines have rapidly evolved over the last decade



1985 Explore a Non-US standards Section

- USP Convention Resolution #6

2007 SALMOUS

- Legally marketed outside the US
- Renamed in 2009

2011 Medicines Compendium

- New approach to standard development
- Included US and Non-US Standards

2016 Global Health Standards Program

- New program launched in 2016
- Legally marketed only outside of the US, and do not have approval from the FDA
- Collaborative prioritization

The Global Health Standards program: Objectives



USP Mission: To improve global health through public standards and related programs that help ensure the quality, safety and benefit of medicines and foods.

USP Vision: USP envisions a world in which *all* have access to high quality, safe, and beneficial medicines and foods.

Global Health Standards Program Objectives

The global health standards program's objectives are to:

- ▶ Ensure **availability** of relevant, modern standards for the world's most essential medicines;
- ▶ Enable **accessibility** of these standards in non-US settings; and
- ▶ Engage stakeholders for development, **adoption**, and implementation of these standards for improved public health outcomes

GHS program will focus on medicines of global health importance marketed outside the United States



GHS Universe including articles
Legally marketed outside the US



Authorized for use by SRA



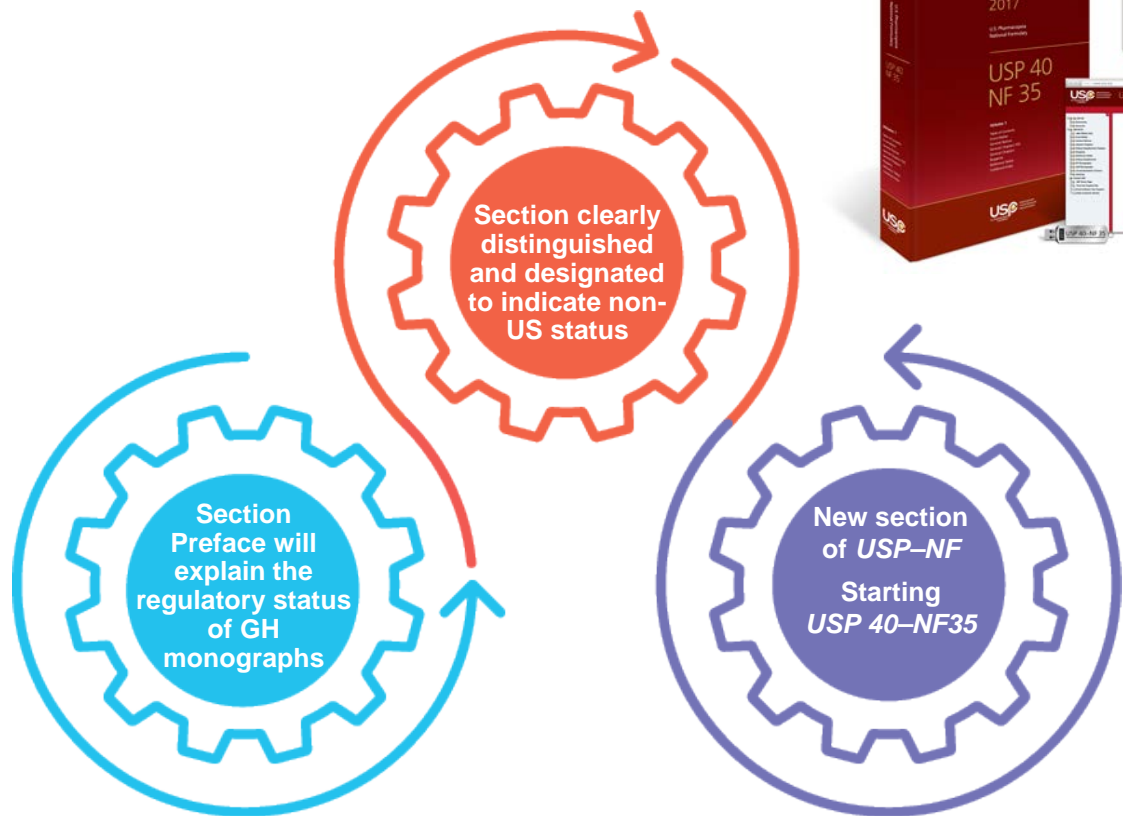
Products lacking an up-to-date
modern standard



High priority for the global health
community

**GHS Program's Monographs for
Development**

The Global Health Monographs have a new section in the USP–NF



Preface

“This section contains monographs for articles which are not currently legally marketed in the United States, but which have been approved by a stringent regulatory authority as defined by the World Health Organization and are used for essential purposes in other parts of the world. Selection and prioritization of new entries to this section will be accomplished in close collaboration with stakeholders throughout the global health community. These monographs are not applicable to articles marketed for use in the United States.”

GHS Program's implementation strategy includes 4 key activities



Collaborate & prioritize monographs for development

Collaborate with global stakeholders select new medicines for monograph development



Develop monographs

Develop standards utilizing existing standards-setting capabilities, including USP Expert Committees



Disseminate

Disseminate the standard to key quality assurance entities



Enable Stakeholders

Enable partners to protect the quality of medicines



Thank You



Empowering a healthy tomorrow