



# VIII

# Resolution

## Education and Training for Industry and Healthcare Professionals

USP will build and strengthen capabilities fundamental for industry and healthcare practitioners to utilize USP standards through efficient, effective, and measurable training and education programs.

### Year 3 Update

USP provides education and training that support adoption and implementation of USP quality standards. These efforts address both new and revised standards that accelerate innovation, build trust and confidence in medical breakthroughs, advance the quality of medical products, and help ensure a resilient medicines supply chain. USP offers a wide range of education and training programs to diverse audiences in a variety of settings using state-of-the-art technologies and continues to identify and develop new courses to further support standards utilization.

Key areas of progress over the past fiscal year include:

**Expanded Program Reach** – USP continues to expand participation in education and training, exceeding our attendance target for Fiscal Year 2023 by more than 15% and achieving a new attendance record of more than 29,000, a 26% increase over last year. Factors driving growth include an expanded catalog and use

of on-demand offerings (representing 64% of total program attendance); a post-pandemic return to classrooms with nearly 2,000 attending courses in person; the licensing of USP courses to third parties; and strong geographic growth in China, Latin America, and the U.S. Expanded course offerings included those on revised compounding standards and the addition of several short, free webinars.

**Impact and Real-World Practice** – USP's continued focus on ensuring the impact of its courses on real-world practice is being measurably recognized by course attendees. Results of USP's Perception Monitor survey continue to show that 88% of attendees indicate USP courses and materials will have a positive impact on their quality of work. The potential for impact was demonstrated by high marks from students for new courses in particular, including those on storage and distribution, and compounding. For example, revised courses on *USP* General Chapters <795> and <797> on compounding showed significant increases in student-reported



impact on their work, scoring 92% and 94%, respectively.

**Improved Timelines** – During the year, USP continued to reduce the timeframe between when USP publishes a new or updated standard and when USP makes available the supporting educational course, by leveraging USP’s Curriculum Roadmap process, initiated in Fiscal Year 2021. Eleven out of 13 new or updated courses tied to consequential standards revisions were launched within a month of the standard publishing. During the year, the average time between a standard publishing and educational materials being available was exactly one month.

- ▶ The Curriculum Roadmap process was executed quarterly as planned, generating most of the new course development and update activity. This process reviews the portfolio of consequential and high-impact standards to identify when in their revision cycle course development should begin.
- ▶ During the year, USP made great strides in its cycle goal to establish a new mindset across the organization that will allow course materials to be available to stakeholders at the time of official publication of the related standards, with USP Education and Science partnering to begin work during the *Pharmacopeial Forum* comment period on related standards to ensure timely delivery of related course materials.

### **Planned for Remainder of the Cycle**

- ▶ USP will work to drive continued expansion of education and training attendance by making available on-demand courses in the South Asia region and leveraging subscription capabilities to offer ongoing learning opportunities for regulatory and manufacturing organizations.
- ▶ USP will continue to ensure that courses are relevant to students’ real-world practice and improve the quality of their work by engaging learners through interactive tools and applying appropriate instruction design principles. We will also continue to train and provide guidance to USP instructors to further develop their course facilitation skills.
- ▶ USP will leverage its growing commitment to providing educational materials at the time a new or revised standard is published to ensure stakeholders have the tools needed to implement standards effectively.

### **Contact**

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