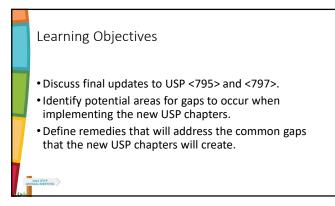


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Poll Question 1

• What is your current area of practice?

• Pharmacist

• Pharmacy Technician

• Pharmacy Intern

• Pharmacy Leader (Supervisor, Manager, Director, etc.)

• Other (Academia, Industry, PBM, etc.)

Background

• United States Pharmacopeia (USP) is an independent, nonprofit organization focused on the safety and quality of medicines

• The organization sets standards for quality, purity, strength, and identity for medicines, food ingredients, and dietary supplements¹

• Their standards are split up into chapters

• Chapters less than <1000> are considered enforceable,

• Chapters greater than or equal to <1000> are considered guidelines

• Our focus will be chapters <795> and <797>, which are enforceable

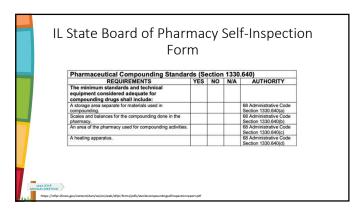
Poll Question 2:
Who Enforces USP <795>/<797>?

1. United States Pharmacopeia
2. Food and Drug Administration (FDA)
3. Deemed Status Organizations (TJC, DNV)
4. Boards of Pharmacy
5. Institutions are expected to self-enforce only

## Who Enforces USP <795>/<797>? • Although USP creates the chapters, they have no involvement in the enforcement of them • State Boards of Pharmacy, The Joint Commission, Det Norske Veritas (DNV), and other institutions with deemed status from the Centers for Medicare and Medicaid • These regulatory bodies will reference USP when they are conducting surveys and site visits to ensure compliance • A lack of compliance can/will lead to citations and potentially loss of reimbursement for services provided

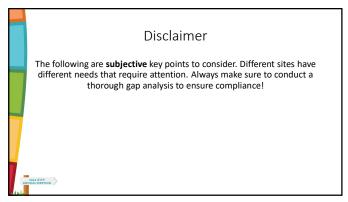
IL State Board of Pharmacy Self-Inspection Form Section 1330.640(a) 68 Administrative Code Scales and balances for the compounding done in the Section 1330.640(b) 68 Administrative Code Section 1330.640(c) 68 Administrative Code An area of the pharmacy used for compounding activit Section 1330.640(d) 68 Administrative Code ction 1330.640

7



Administrative Code Section 1330.640 ADMINISTRATIVE CODE TITLE 68: PROFESSIONS AND OCCUPATIONS
CHAPTER VII: DEPARTMENT OF FINANCIAL AND PROFESSIONAL REGULATION
SUBCRIPTER: PROFESSIONS AND OCCUPATIONS
PARTIES BEHARMOCY PRACTICE ACT
SECTION 1396-69 PHARMACEUTICAL COMPOSITION STANDARDS All pharmaconical compounding Standards of the STA Compounding Standards of USPAF (USP 41-N7 56), as set from in the United States Pharmacopoenic (USP), 41° Revision and the National Formulary, 10° Edition, Compounding Compounding, with the exception of USPAGET (STANDARD) of the STANDARD (STANDARD STANDARD S

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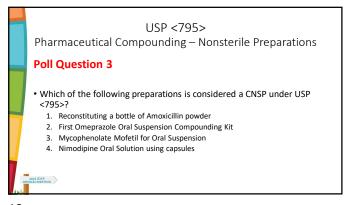


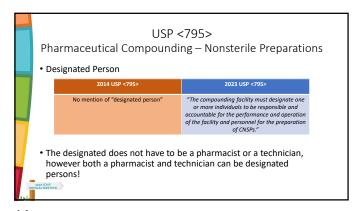
USP <795> Pharmaceutical Compounding – Nonsterile Preparations • Definition: combining, admixing, diluting, pooling, reconstituting other than as provided in the manufacturer's labeling, or otherwise altering a drug product or bulk drug substance to create a nonsterile preparation. • Application: all persons who prepare compounded nonsterile preparations (CNSPs); all places where CNSPs are prepared for human and animal patients · Yes, animals are included too! · Pharmacists, technicians, nurses, physicians, dentists, naturopaths, and chiropractors

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USP <795>
Pharmaceutical Compounding — Nonsterile Preparations

• Responsibilities of the Designated Person(s)

• SOPs are created and implemented

• Follow-up: for non compliance and errors

• Documentation of corrective action

• Quality Assurance and Quality Control (QA/QC)

USP <795>
Pharmaceutical Compounding — Nonsterile Preparations

• Training and Competencies

2014 USP <795>

Non-specific

7/Il personnel who compound or have direct oversight of compounding CNSPs must be initially trained and qualified by demonstrating knowledge and competency must be demonstrated initially and competency must be demonstrated initially and at least every 12 months...\*

• Hand Hygiene was also modified to reflect specific steps, outlined in a text box

15 16

USP <795>
Pharmaceutical Compounding — Nonsterile Preparations

• Hand Hygiene was also modified to reflect specific steps, outlined in a text box

Box 1. Hand Hygiene Procedures

• Wash hands with soap and water for at least 30 s
• Dry hands completely with disposable towels or wipers
• Don gloves

USP <795>
Pharmaceutical Compounding — Nonsterile Preparations

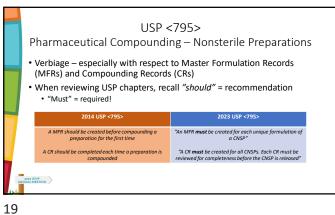
• Garbing and the need for gloves

2014 USP <795>
2023 USP <795>

"When appropriate"

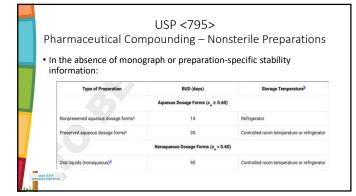
"Gloves must be appropriate for the type of compounding performed and should be worn as needed for the protection of the personnel from chemical exposures and for prevention of CNSP contamination"

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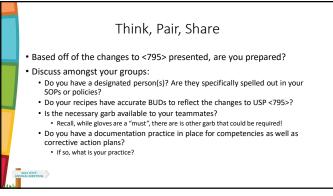
USP <795> Pharmaceutical Compounding – Nonsterile Preparations • Beyond-Use-Dating (BUDs) • Recall: BUDs are NOT the same as expiration dates  $\bullet$  Utilization of  $a_w\!$  in determination of product and potential BUD  $\bullet$  An  $a_{\rm w}\!<\!0.6$  will usually indicate a nonaqueous dosage form · Capsule, gel (glycol based), ointment (petrolatum), suppository An a<sub>w</sub> > 0.6 will indicate an aqueous dosage form Cream (oil in water), gel (water based), simple syrup

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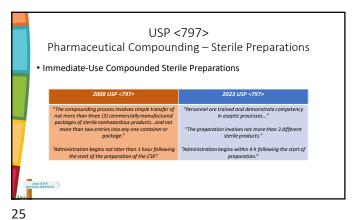


USP <795> Pharmaceutical Compounding – Nonsterile Preparations • Compounding Area 2023 USP <795> "An area must be designated for nonsterile npounding. The method of designation must be described in the facility's SOPs." "There should not be carpet in the compounding area." "Other activities must not be occurring in the spounding area at the same time as compound

21 22



USP <797> Pharmaceutical Compounding – Sterile Preparations • Definition: combining, admixing, diluting, pooling, reconstituting, repackaging, or otherwise altering a drug product or bulk drug substance to create a sterile preparation Application: all persons who prepare compounded sterile preparations (CSPs); all places where CSPs are prepared for human and animal patients · Anyone entering a sterile compounding area, whether preparing a CSP or not, must meet the requirements related to personal hygiene and garbing • The update to the chapter is more verbose in a multitude of capacities



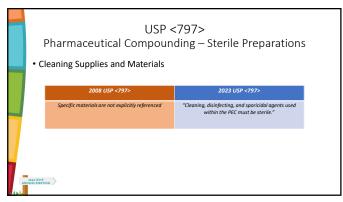
Poll Question 4: Immediate-Use Compounded Sterile Preparations Under which USP <797> version would the following practice be acceptable? 1. 2008 USP <797> 2. 2023 USP <797> 3. Neither version 4. Both versions

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USP <797> Pharmaceutical Compounding – Sterile Preparations • Initial and Ongoing Garbing Competencies ounding personnel shall be evaluated initially prior to beginning compounding CSPs"

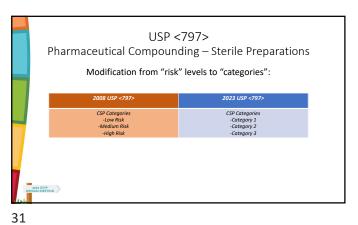
USP <797> Pharmaceutical Compounding – Sterile Preparations • Initial and Ongoing Manipulation Competencies aka Media-Fill Testing

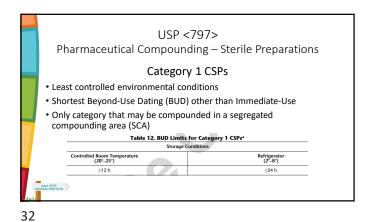
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USP <797> Pharmaceutical Compounding – Sterile Preparations • Do not forget that products going into the PEC must be sterile 1 DOM: . . PROSAT® Sterile Presaturated Wipes PROSAT® Presaturated Wipes HCPS0002IR HCPS2328

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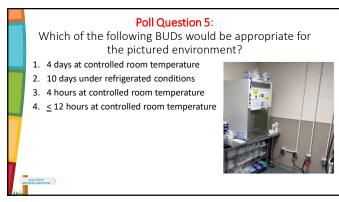


USP <797> Pharmaceutical Compounding – Sterile Preparations Category 2 CSPs • More environmental control and testing than Category 1 • Simply, products compounded within a Primary Engineering Control (PEC) within a Secondary Engineering Control (SEC) that has

USP <797> Pharmaceutical Compounding – Sterile Preparations Refrigerato (2"-8") Freezer (-25° to -10°)

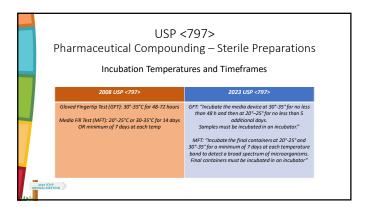
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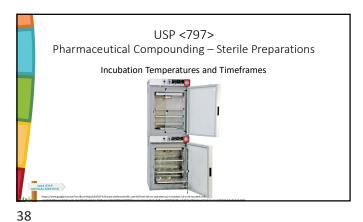
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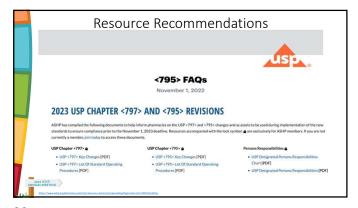
USP <797> Pharmaceutical Compounding – Sterile Preparations Segregated Compounding Area \*The area within 1 m of the PEC should be dedicated only for sterile compounding

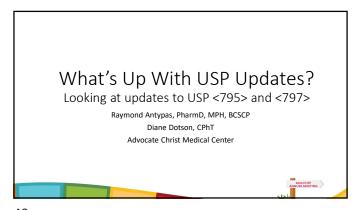
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