The DoD Pharmacy Technician Review

Lt Col Justin Lusk
AF Pharmacy Informatics and Technology Chief
CPE Information and Disclosures

Justin Lusk declares no conflicts of interest, real or apparent, and no financial interests in any company, product, or service mentioned in this program, including grants, employment, gifts, stock holdings, and honoraria.

The American Pharmacist Association is accredited by the Accreditation Council for Pharmacy Education as a provider of continuing pharmacy education.
Target Audience: Pharmacists and Pharmacy Technicians

ACPE#: 0202-0000-18-230-L04-P/T

Activity Type: Knowledge-based
Learning Objectives

1. State the Pharmacy Training Program current and future goals.

2. Identify facts relating to the Pharmacy Training Program operations.

3. Describe the Pharmacy Technician Program platform.
Self-Assessment Questions

- How many college credits are our students granted once they graduate the program?
- What is our PTCB pass rate for the program?
- What experiential training do we provide for the Air Force Pharmacy Technician Training Program?
- What is the METC mission?
Heritage Hall (Medical Instructional Facility 2)
Train the World’s Finest Medics, Corpsmen, and Technicians.

We produce the world’s finest Medics, Corpsmen, and Techs, supporting our Nation’s ability to engage globally…
Training Facilities

- Located on 4th floor of MIF2
- Instructor spaces on 3rd floor
- Classrooms & Laboratories
  - 11 classrooms (22, 26, 32, 42 student rooms)
  - 2 Outpatient pharmacy labs
  - 2 Inpatient pharmacy labs
  - 2 Compounding pharmacy labs
  - 2 Administration/Supply classrooms/labs
Standard Classroom

- Student Laptops
- Smart Podiums
- Computer Testing
  - Question Mark Platform
- Interactive Smart Boards
  - Oct 2018
Pharmacy Technician Program
Lead Staff & Roles

- Program Director/AF Lead: Lt Col Justin D. Lusk
- Program Senior Enlisted Advisor: SFC John Bonvini
- Operations Officer: Mr. Daniel Dulak
- Air Force Service Lead: MSgt Naronksuk Rawaekklang
- Army Service Lead: Lt Col (S) Todd Reeder
- Navy Service Lead: Lt. Commander Joshua Blackburn
- Air Force SEL: MSgt Naronksuk Rawaekklang
- Army SEL: SFC John Bonvini
- Navy SEL: HMC Aaron Ocampo

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<td><strong>Mrs. Marlize Dacruz</strong></td>
<td>SFC J. Goitiatraverso SFC Jessi Baum SSG A. Maldonado SSG Louis Massieu SSG Maideah Afrika SSG Karlotta Polk SSG Kelli Nelson SSG Candice Roper</td>
<td>HMC Caleb Hyland HM1 Marc Perkins HM1 Rachel Norris HM1 Elisa Fuentes HM1 K. Corpuz HM1 Alex Fortin HM1 Vi Potal HM2 Gregory Erickson HM2 Steven Deguzman HM2 Patricia Baker HM2 Romae Sinclair HM2 Vanessa Natoli HM2 Gabriela Tseh</td>
<td>TSgt Jessica Kittoe TSgt Andrew Netz SSgt Preston Keith SSgt Lauren Naranjo SSgt Dylan Sluderbrehm</td>
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Program Facts

- Program officially started under Medical Education Training Campus (METC) Nov 2010
- American Society of Health-System Pharmacists Accreditation (ASHP) Jan 2018
- 4-Pharmacists (Officers); 32-Technicians (Enlisted/Civilian) Instructors
- Fiscal Year 18: Projected total program student throughput 307 students
  - 6 iterations per year for minimal overlap
  - Fiscal Year 18 had <54 students per class (Army, Navy, Air Force, USCG)
Program Facts

• Navy “math week” (Navy Only)
• Tri-service curriculum for first 12 weeks-didactic & lab (Phase 1A)
• Advanced courses for 18.5 days-Army/Navy only (Phase 1B)
• Phase II (clinical-experiential training):
  • Army (1 week FTX; 5 weeks)
    ➢ SAMMC, and Ft Sam Houston Clinics
  • Navy (6 weeks)
    ➢ SAMMC, Lackland, and local hospitals
  • Air Force/Coast Guard (4 weeks)
    ➢ Travis, Keesler, and Eglin AFB
Consolidated Courses

- Introduction to Pharmacy
- Pharmacy Supply and Administration
- Pharmacotherapeutics (3 courses)
- Pharmaceutical Calculations (3 courses)
- Outpatient Operations (laboratory)
- Inpatient Operations (laboratory)
- Pharmaceutical Compounding (laboratory)
Advanced Courses

- Army and Navy only
- Emphasis on independent duty
- Mostly practical exercises/scenarios
- Advanced Pharmacy Operations
  - Supply and Administration
- Advanced Pharmacy Practice
  - Laboratories (outpatient, inpatient)
ASHP Accreditation

- FULLY ACCREDITED - Jan 2024
- AREAS OF NONCOMPLIANCE - None
- AREAS OF PARTIAL COMPLIANCE – Four
  - Role within the community
  - Documentation of preceptor’s work experience at experiential training sites
  - Difficulties in keeping curriculum current
Pharmacy Advisory Committee 2018 Goals

• Continue standardizing the training platform and training standards across the services

• Long Term Program Goals:
  ➢ Increase ACE credits for Army/Navy Advance Course (Oct 2018)
  ➢ Pharmacy Technician Certification Exam taken by all students
  ➢ Decrease Attrition Rate
  ➢ Life long Pharmacy Learning
Specific Measureable Objectives

- Advanced and Consolidated Course
  - Update lesson plans, slides, student guides, written tests, and practical tests
- PTCB Exam Scores
  - Exam prep during Advanced Course
- Monitor Graduation Rates
  - Increase staff proficiency, awareness of goals, student individualized assistance, counseling
Updates/Projects

- ASHP standard of 160 hrs in Phase II Experiential Rotations added to Air Force and now in compliance.
- New Tech-Check-Tech Program: Contact MSgt Naronksuk Rawaekklang at dha.jbsa.education-trng-dir.mbx.metc-rx@mail.mil for information.
- New validated Curriculum Implantation. (Oct 2018)
- Drug updates in Curriculum to match Top 200.
- Student Evaluation and Administration Plan (SEAP) updates submitted to decrease total allowed failures from 6 to 5. (Jun 2018)
Future Goals and Initiatives

- Electronic Health Records (EHR) Training
- Sterile Products Course
- E-Prescribing Training
- Pharmacy Operations Course
- National Certification
Supply/Administration Classroom

- Unit Dose Technologies
- Narcotic Vault
- Supply Tote Practical
Outpatient (Dispensing) Lab

- 2 Laboratories (6 windows each)
- Modern pharmacy technologies
- Classroom attached to lab
Inpatient (Sterile Preps) Lab

- Real medications/fluids used
- USP 797 adherence
- 30 flow hoods
Compounding Lab

- Modern equipment
- Safety features
- Products made include: ChapStick, calamine lotion and ointments
Current State of Program

• Organizational Structure
  • Two Chains of Command:
    ➢ METC (DHA)
    ➢ Service Components (Army, Navy, and AF)
    ➢ Cultural ties, influences, and tasking's

• Curriculum
  • CCAF Candidacy approved August 2011
  • 6 year Accreditation Survey by ASHP (Jan 2018)
  • Traditional student guides/textbooks vs eBooks
    ➢ FY19 Pharmacy Calculations for Technicians (6th Ed) Paradigm (Purchased)
    ➢ Each Student will have online and hardcopy access
# PTCB Statistics

## FY-18 Metrics (5 Classes)

**FY 18 Passing Avg = 80%**

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<tr>
<th>Branch</th>
<th>PTCB pass rate</th>
<th>Pass/Attempted</th>
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<tr>
<td>Navy</td>
<td>85%</td>
<td>37/45</td>
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<tr>
<td>Army</td>
<td>63%</td>
<td>65/103</td>
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<tr>
<td>Coast Guard</td>
<td>92%</td>
<td>11/12</td>
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<tr>
<td>Civilian (averages)</td>
<td>57%</td>
<td>NA</td>
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• FY11-17 Avg Graduation Rate= 85.9%
  - Academic Attrition= 14%
  - Non-Academic Attrition= 2.4%

• FY18 Graduation= 91.2%
  - Academic Attrition= 8.8%
  - Non-Academic Attrition= 0%
Answers To Self-Assessment Questions

► How many college credits are our students granted once they graduate the program?
  A: After 12 weeks of training, our students receive 25 credit hours towards their Associates degree.

► What is our PTCB pass rate for the program?
  A: Pharmacy Technician Certification Exam Pass Rate is 80%.

► What experiential training do we provide for the Air Force program?
  A: After all Phase 1 Program requirements, each student will move on to their service specific Phase 2 training sites located at Travis, Keesler or Eglin Air Force base to complete an additional 4 to 8 weeks of experiential training.

► What is the METC Mission statement?
  A: Train the World’s…
JUSTIN D. LUSK, Lt Col, USAF
METC Pharmacy Technician Program Director
AF Pharmacy Informatics and Technology Chief

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