

Going Beyond an Advanced Pharmacy Practice Experience (APPE) Rotation

Focus on Non Direct Patient Care (NDPC) Contribution by Students

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Outline

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Acknowledgements

To contributors associated with the Leslie Dan Faculty of Pharmacy (LDFP), University of Toronto:

- APPE Students
- APPE Preceptors
- APPE Faculty Coordinators
- Associate Dean, Education
- Office of Experiential Education

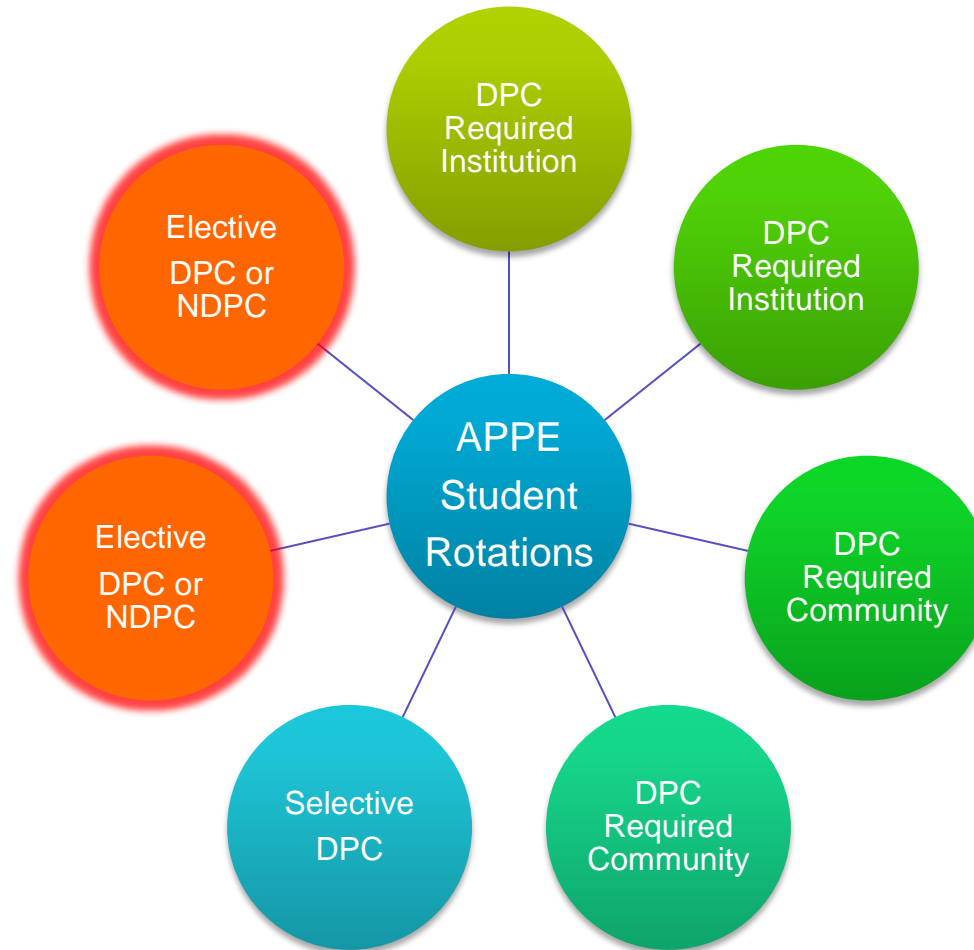
Introduction

- Why offer NDPC APPE rotations?
 - **LDFP New PharmD Curriculum Guiding Principles**
 - Students have elective options
 - **AFPC Educational Outcomes (2010)**
 - Students upon graduation should not only develop competencies as a care provider and advocate, but also as a professional, scholar, communicator, collaborator, and manager.
 - Students will go beyond providing DPC
 - **CCAPP Accreditation Standards (2014)**
 - Practice Experiences Standard 28:
“Practice experiences must be of adequate intensity, breadth, structure and duration so as to achieve the defined educational outcomes...”
 - Students as problem-solvers and life-long learners
 - **ACPE Accreditation Standards (2016)**
 - Standards 10.9 & 13.7
 - A range of APPE electives should be offered to allow students to mature professionally and explore their interests in different career options, while achieving educational outcomes

Objectives

- To present the NDPC Statistics for the 2015-16 (1T6 Class) and 2016-17 (1T7 Class) APPE years
- To demonstrate students' contribution in NDPC APPE rotations at the LDFP
- To highlight the value-added perspectives of students' work that can go beyond their rotations.

A Typical APPE Student Schedule



NDPC Statistics

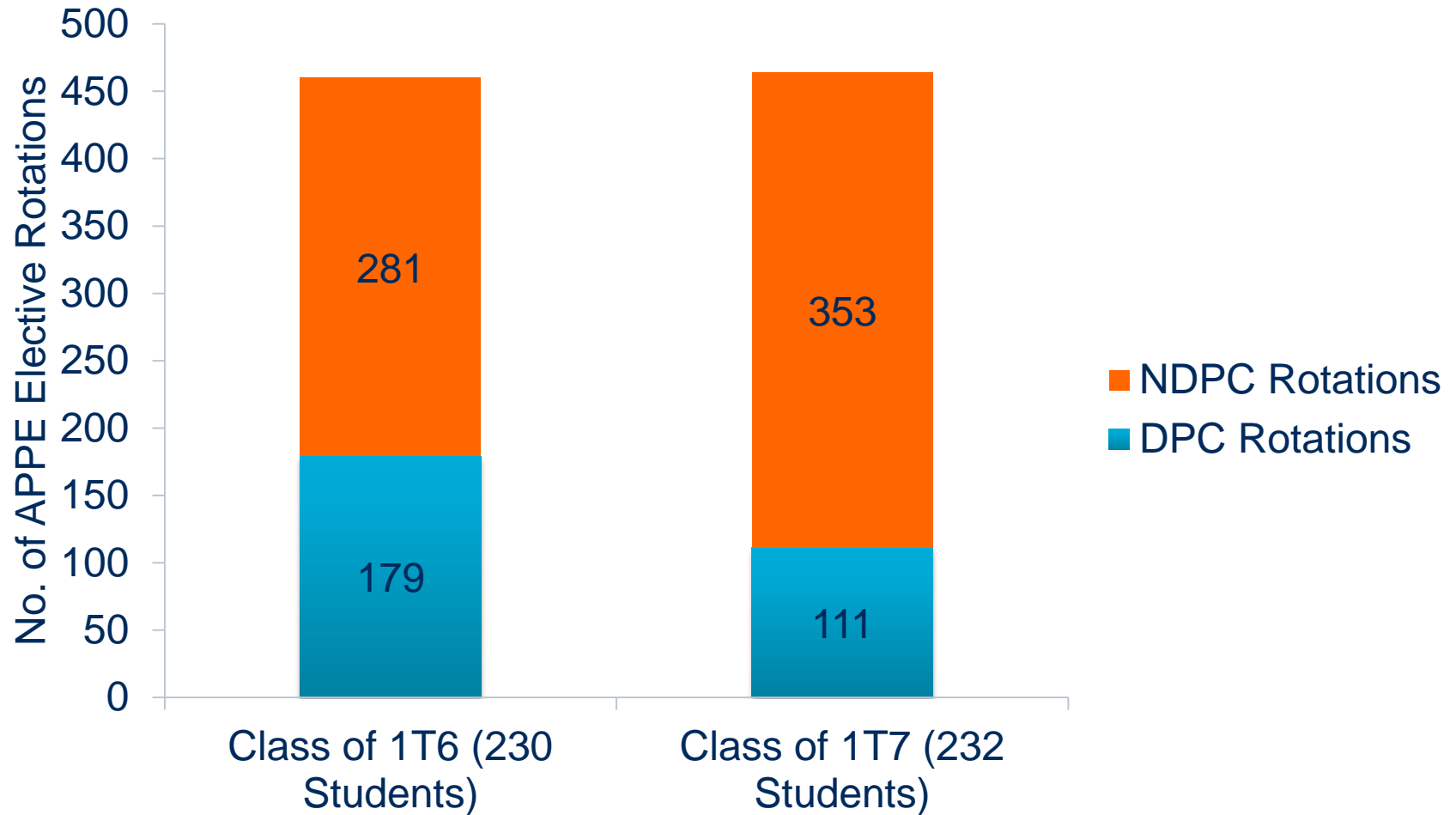
2015-16 (1T6 Class) and 2016-17 (1T7 Class) APPE Years

Source: CORE ELMS™

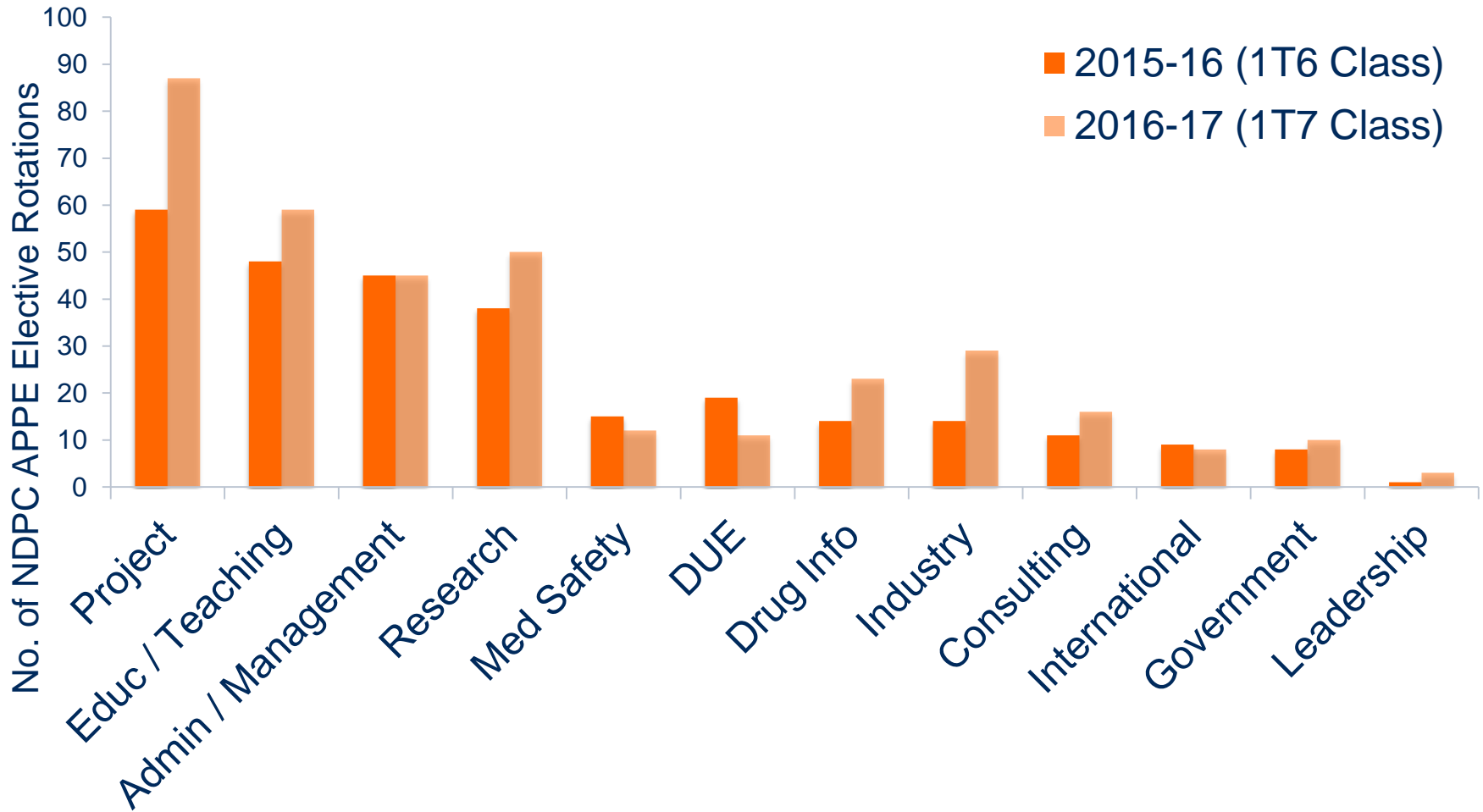


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Number of APPE Elective Rotations



NDPC APPE Elective Rotation Types



Summary of NDPC Statistics

- Relatively high % NDPC APPE elective rotations
 - 61% in 2015-16 (1T6 Class)
 - 76% in 2016-17 (1T7 Class)
- 12 NDPC APPE elective rotation types are offered
- Other factors to be explored in the future:
 - Rotation availabilities
 - Recruitment & retention strategy
 - Student preferences
 - Rotation descriptors
 - Lottery assignment of rotations by CORE ELMS™

Students' Contribution in NDPC APPE Rotations

Medication Safety

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Medication Safety



Students' Contribution in NDPC APPE Rotations

Administration / Management

Community Pharmacy



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Administrative Projects with Therapeutic Components

Compliance project of selected medications based on pharmacist intervention and follow-up

Establishing a medical directive for insulin starts

Creation of a smoking cessation program

Community pharmacy influenza screening program

HbA1c testing in the community pharmacy

Management Projects

Workflow and logistics of implementing MedsCheck program

Business plan for establishing a clinic day

Streamlining compliance pack program

Creation of customer pamphlets to improve patient compliance to medications



Students' Contribution in NDPC APPE Rotations

Education / Teaching



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Development of Resource Materials

International Collaborative Projects

- Creation of a structured curriculum to support the role of pharmacists as health coaches.
- Creation of lecture material and accompanying reference guide introducing international audiences to the Canadian health care system and pharmacy practice.
- Creation of an educational session and pamphlet regarding the Zika virus for an international audience.

Supporting Continuing Education

- Creation of PEBC OSPE preparation sessions for pharmacy technicians.

Longitudinal Project Offered Over Several Rotations: Student-Led Tutorials



Development of Multimedia Educational Tools

1. Power point presentation to support pharmacists as health navigators
2. Video to introduce students to a facilitation activity in the MTM-1 labs

For further information regarding these videos, please contact Annie Lee @ awm.lee@utoronto.ca

Conclusion

- A variety of NDPC APPE rotations were offered to students with lasting impact on medication safety, education and management of pharmacy services.
- Students' contribution in NDPC APPE rotations went beyond the five-week rotation period.
- We hope our insights and illustrations of successful NDPC student rotation examples may encourage others to expand their scope of experiential education.