Twenty-one pharmacy students from the University of Minnesota College of Pharmacy have participated in experiential education studying pharmacy in Germany since 2009. The fourth-year students spend their first five-week Advanced Pharmaceutical Practice Experience (APPE) in Velbert, Germany learning in a community pharmacy alongside two German university-graduated pharmacists who completed their Doctor of Pharmacy degrees in the United States.

### Objectives
- Discuss international and comparative perspectives of pharmacy and health care markets
- Understand the role of pharmacists in the United States and Germany
- Identify and examine best practices within the United States and Germany; brainstorm how these models would work in the other country to improve patient care
- Interact with German health care professionals and pharmacy students to discuss pharmacy practice and the role of pharmaceutical care in the United States

### Comparing Health Care Systems to Identify and Create Best Practice Models

#### Best Practice in the United States: Pharmaceutical Care
- **What is it?** Pharmacists meeting one-on-one with patients to ensure all of their medications are appropriate, safe, effective, and convenient.
- **What is the benefit?**
  - Each year in the US, 100,000 lives are lost and about $200 billion is spent on drug therapy problems. The provision Pharmaceutical Care (a.k.a. “Medication Therapy Management” or “MTM”) has proved to not only improve patients’ health, but also prevent the rising cost of health care. Patients are also empowered with knowledge that helps them manage their own health.

#### Best Practice in Germany: Health Care Access
- **What is it?** Germany follows the Bismarck model of health care, in which mostly private hospitals and clinics provide care. There is a government-mandated health insurance program (run by private non-profits) that provides coverage to virtually all German citizens.
- **What is the benefit?**
  - German citizens have increased access to health insurance care. Cost of health care per capita is far lower than in the US despite universal access. About 15% of the population pays additional premiums for private health insurance, which provides additional benefits.

### Overall Experience Results
- **92.9% (n=13)** students very comfortable or comfortable upon entry into the German culture
- **42.6% (n=6)** of students spoke another language other than English
- **84.3% (n=9)** felt preceptors should be pharmacists
- **71.4% (n=10)** easy or very easy to transition back into the United States upon return
- **100% (n=9)** APPE students said they would participate again based on experience alone
- **80% (n=4)** Elective students said they would not participate again based on experience alone
- **100% (n=14)** would participate again based on cost alone
- **4/10 students thought preceptors should be Doctors of Pharmacy**