

**Pharmacy Innovation
University of Minnesota
College of Pharmacy
Legislative Health Care Workforce
Commission Meeting
December 6, 2016**



University of Minnesota
College of Pharmacy

Driven to Discover

College of Pharmacy

- ◆ **Number 2 ranked CoP in the US**
- ◆ **One College with 2 campuses**
 - Duluth
 - Twin Cities
- ◆ **History of innovation in science and practice – some examples**
 - **Drug development – Ziagen**
 - **Practice**
 - 1970's St. Paul Ramsey burn unit and individualized dosing
 - 1990's to today and future - Pharmaceutical care and medication management
 - Today and future pharmacogenomics and precision medicine



Innovation in Patient-centered Teaching and Practice

- ◆ Pharmacy practice in MN is among the most advanced in the Country
- ◆ Medication management programs through MedEdgeRx and other provider groups
- ◆ One of the first was the medication management benefit for the City of Duluth employees and dependents
- ◆ Some examples
 - MN MA
 - UPlan
 - SEGIP
 - Southern Prairie Community Care
 - Other large MN employers





Snapshot of Drug Therapy Complexity for Minnesota Adults with Diagnosis of Depression

2012 NAMCS Data

Variable and Factor		Frequency	Percent
Number of medications for adults with depression	0	30718	12.4
	1	27178	10.9
	3	29235	11.8
	4	9289	3.7
	5	14673	5.9
	7	18328	7.4
	9	14830	6.0
	10	104469	42.0
	Total	248720	100.0



Summary of Some of the College's Initiatives and Collaborations in Mental Health

- ◆ Transitional care with Sanford Health in Bemidji
- ◆ Depression management – SEGIP – MedEdgeRx
- ◆ Transitional care – CentraCare – St. Cloud
- ◆ Pharmacist workforce development and training program – Red Lake Indian Health Service
- ◆ School nurses – community pharmacists interprofessional collaboration pilot
- ◆ Medication management telehealth grant to pilot transitions from county prison to community
- ◆ PharmD student mental health focus – DNP and PharmD interprofessional education program – CoP and School of Nursing



Northern Pines Community Mental Health Center – Guidepoint Pharmacy Partnership

- ◆ This is our signature partnership
- ◆ Integration of comprehensive pharmacist services into a mental health center
- ◆ Partners are NPCMHC, Guidepoint Pharmacy and the CoP
- ◆ Principals
 - Robert Jones, MD, Kevin Edwards, PhD and Glenn Anderson – NPCMHC
 - Laura Schwartzwald, RPh and Sharon Ng, PharmD GuidePoint Pharmacy
 - Amy Pittenger, PharmD, PhD and Randall Seifert PharmD – CoP



Concluding Remarks

- ◆ Support to recognize the importance of pharmacists in interprofessional teams delivering primary and mental health care services
- ◆ Inclusion of pharmacists in legislation for workforce training programs and any proposed future study groups
- ◆ Support a proposal to designate pharmacists with specialized training and certification as mental health providers
- ◆ Support to add designated pharmacists to interprofessional teams and care models (ACT teams, BHH and CCBHC's)
- ◆ Support our effort to work closely with the MDH and DHS in our community outreach and research initiatives

