

Pharmacists Improving Hoosier Health: Indiana Landscape of Medication Management Services



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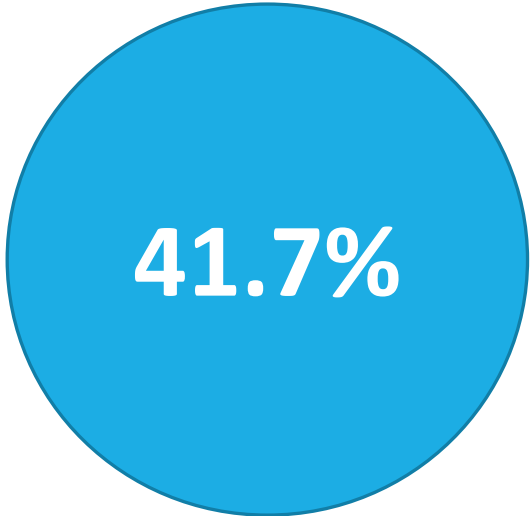
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Roadmap for Today

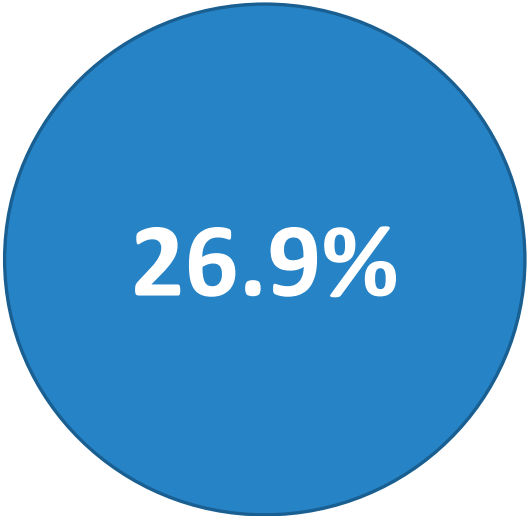


Indiana Pharmacists

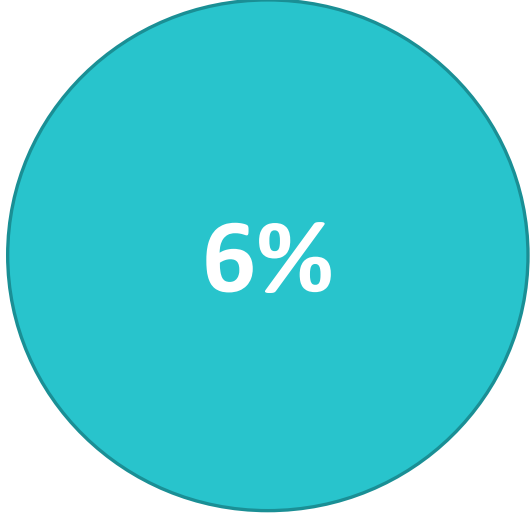
7,000 pharmacists



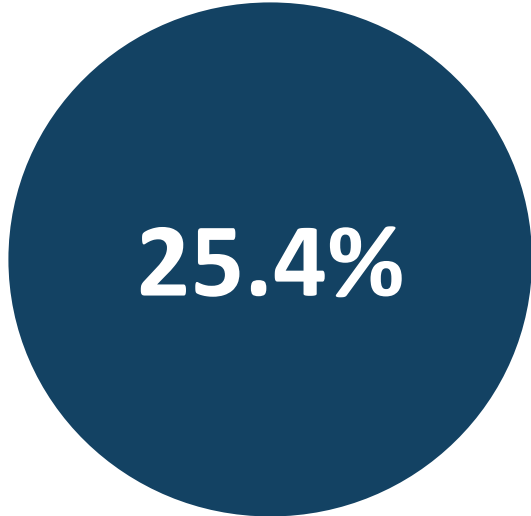
Practice in
community
pharmacies



Practice in
hospital
pharmacies



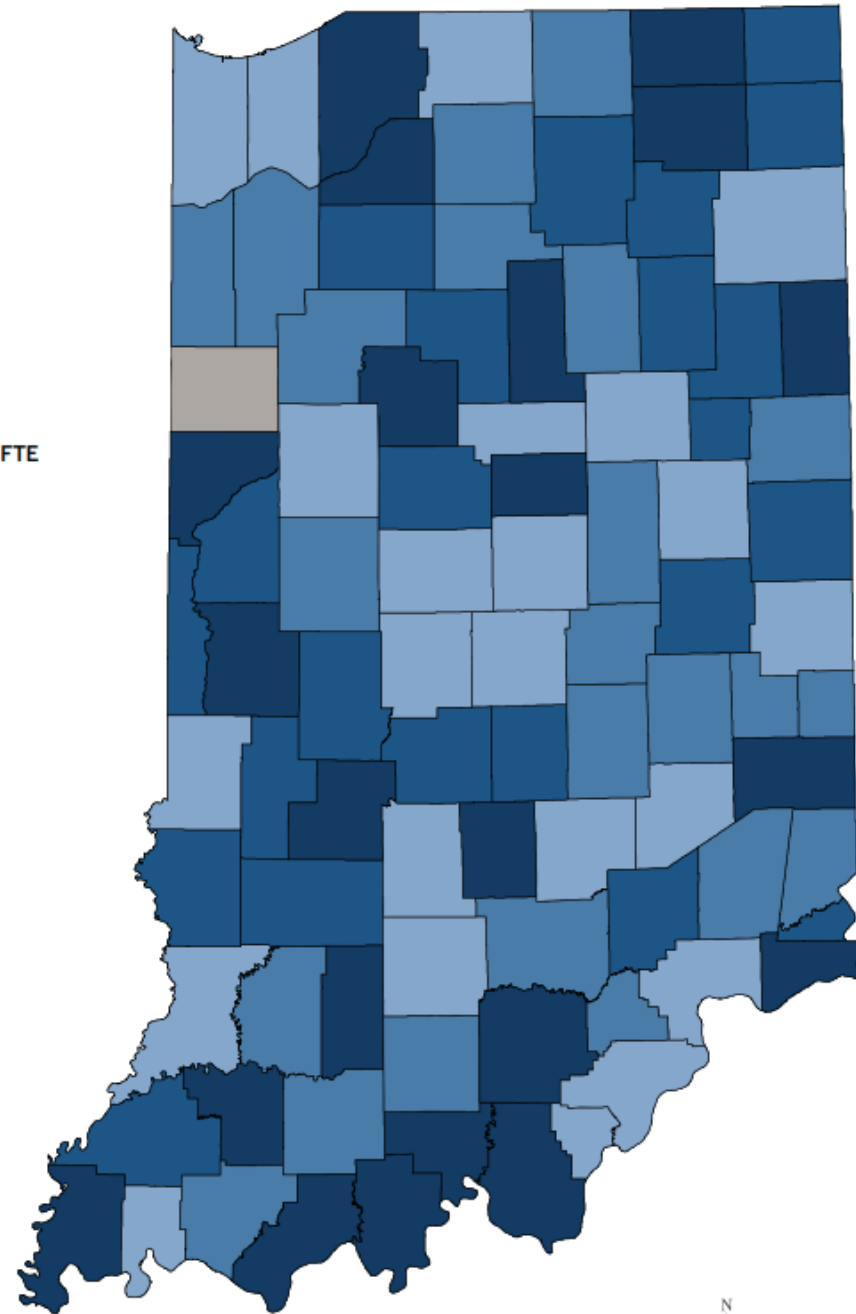
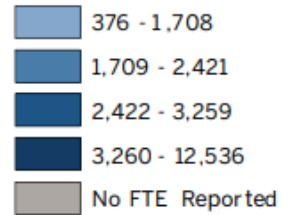
Practice in
clinics



Practice in
other settings

Population per Pharmacist FTE

Population per Pharmacist FTE



Source: Indiana Pharmacist Re-Licensure Survey, 2016

Bowen Center. <https://medicine.iu.edu/family-medicine/research/bowen-health-workforce>



There's More Than Dispensing in Indiana

**Collaborative
drug therapy
management**

**Standing orders –
tobacco, vaccines,
naloxone**

**Medication
therapy
management**

Preventive care

**Transitions of
care**

Indiana Pharmacists Association Survey

Two surveys developed and distributed in 2019

- Health-system/clinic survey
- Community pharmacy survey

Goal: Determine non-dispensing services offered

- Additional data collected on billing practices, interest in future expansion of services

Survey Respondents

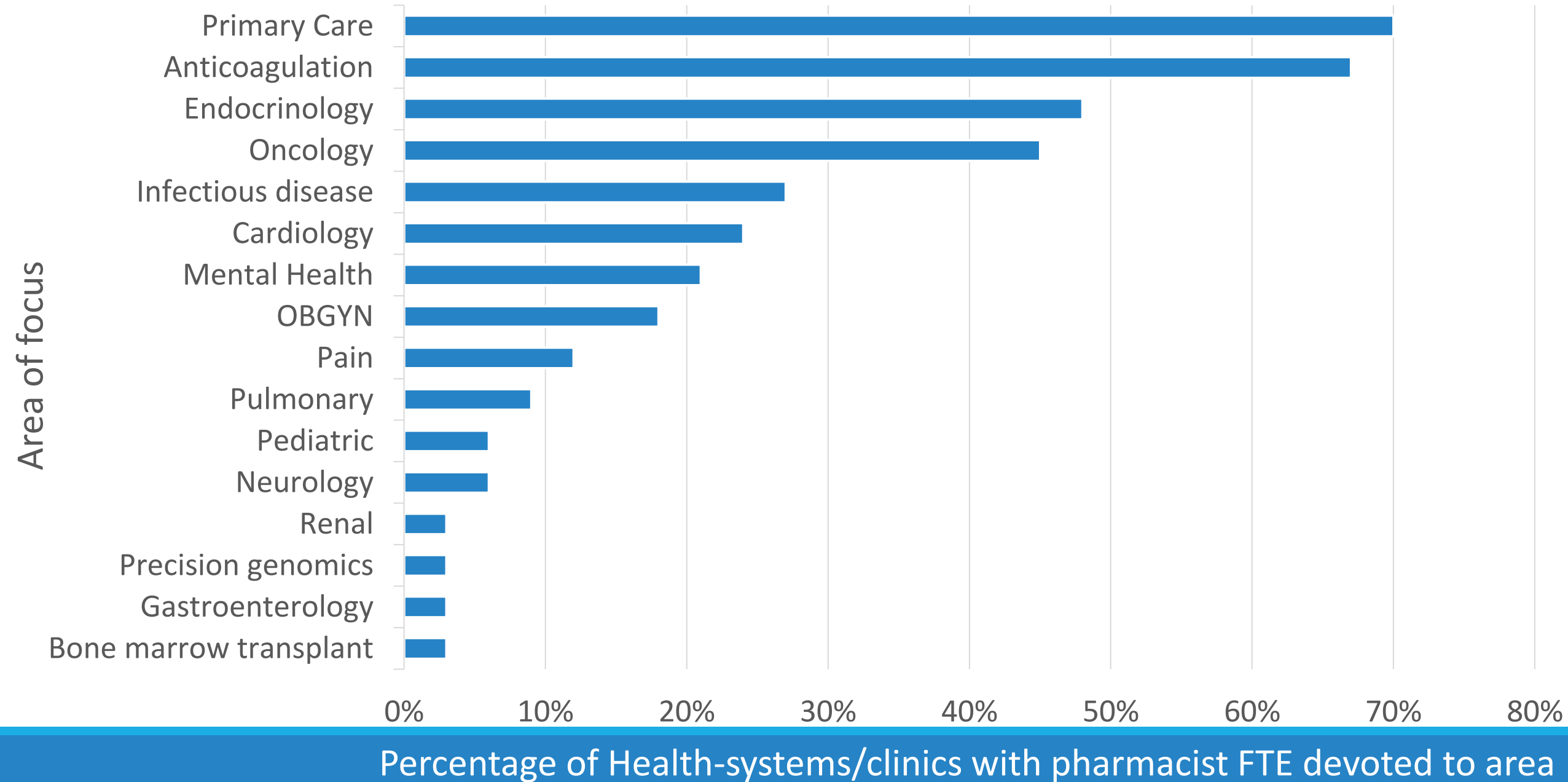
35 health-systems/clinics responded

- Average pharmacist FTE devoted to non-dispensing services: **7.2**
- **Two health-systems reported > 30 pharmacist FTE**
- **Pharmacists are embedded in clinics and offer individualized management of conditions**

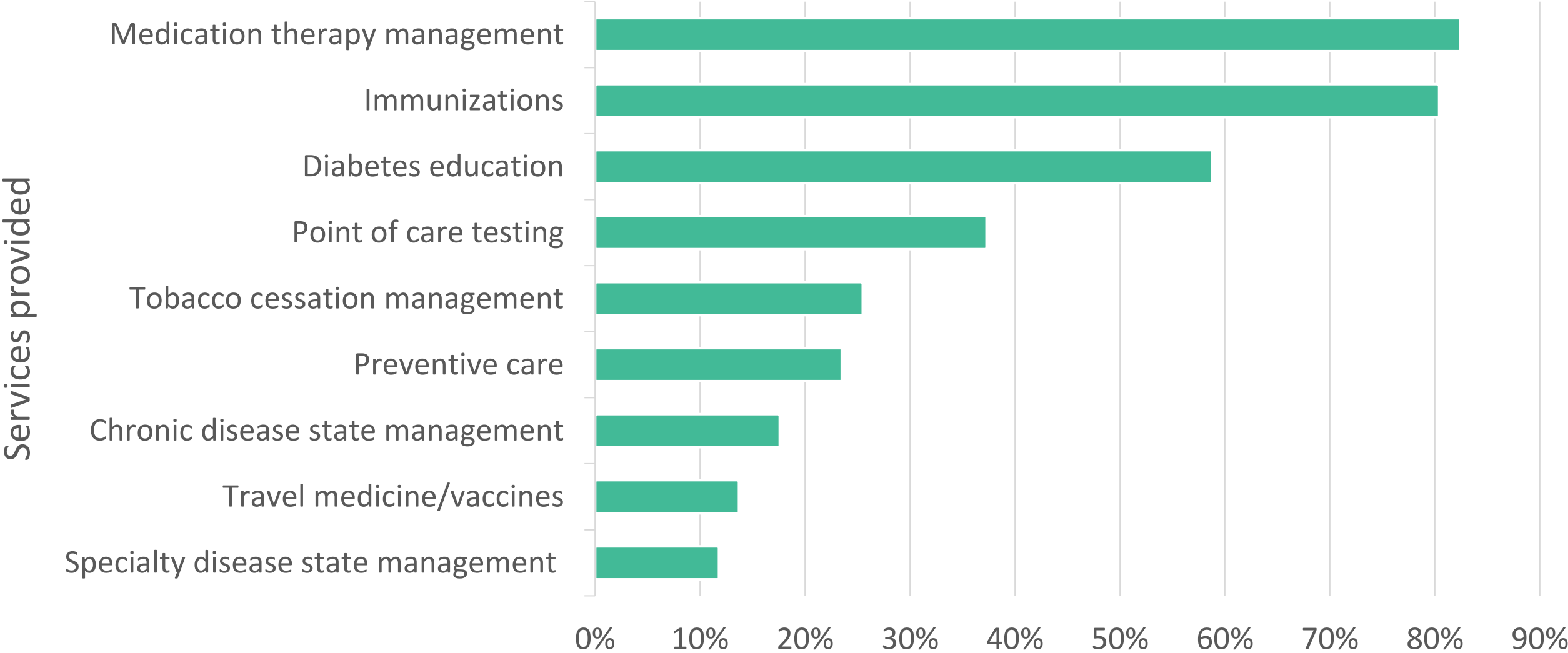
51 community pharmacies responded

- No discernment between dispensing and non-dispensing FTEs
- **70%** interested in growing non-dispensing services within next year

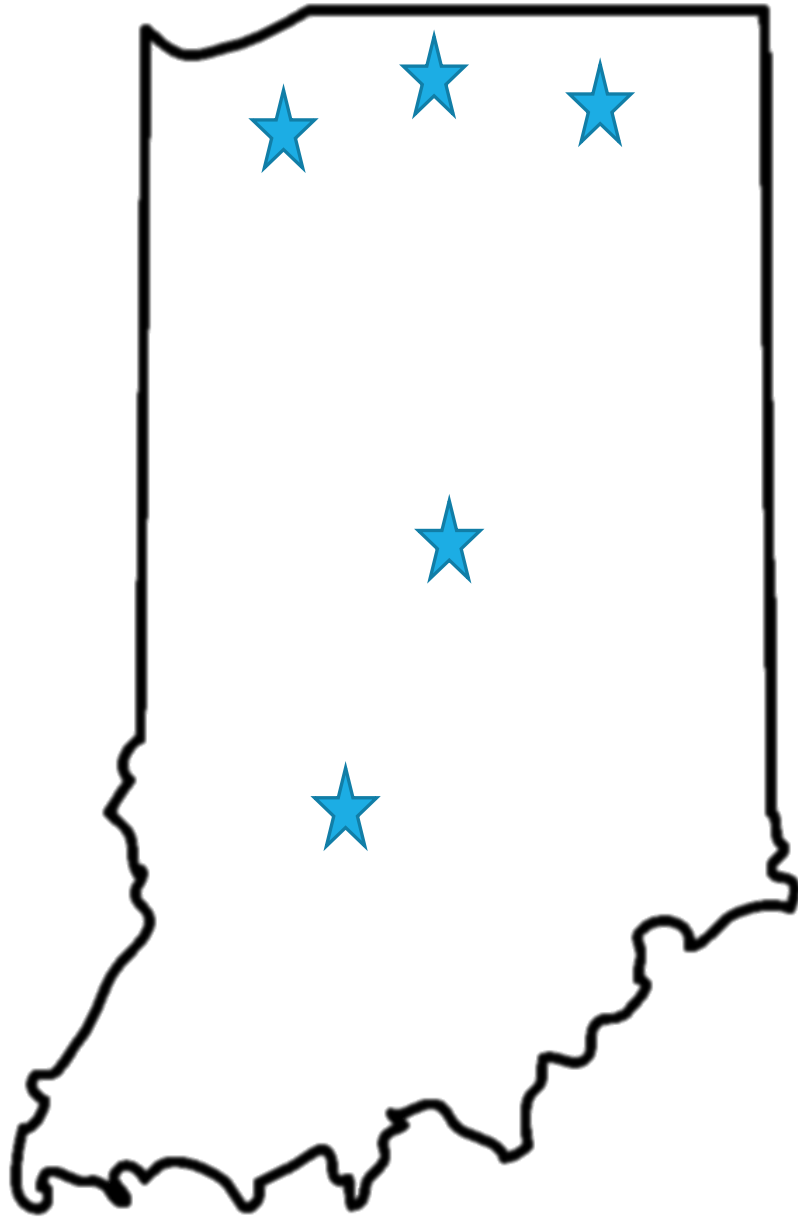
Outpatient Health-System & Clinic Pharmacists' Areas of Focus



Community Pharmacists' Services Provided



Percentage of community pharmacies offering the service



Pharmacist Spotlights

Spotlight: Community Health Network

Over 35 pharmacists embedded in physician clinics across central Indiana

Pharmacists manage a variety of chronic conditions

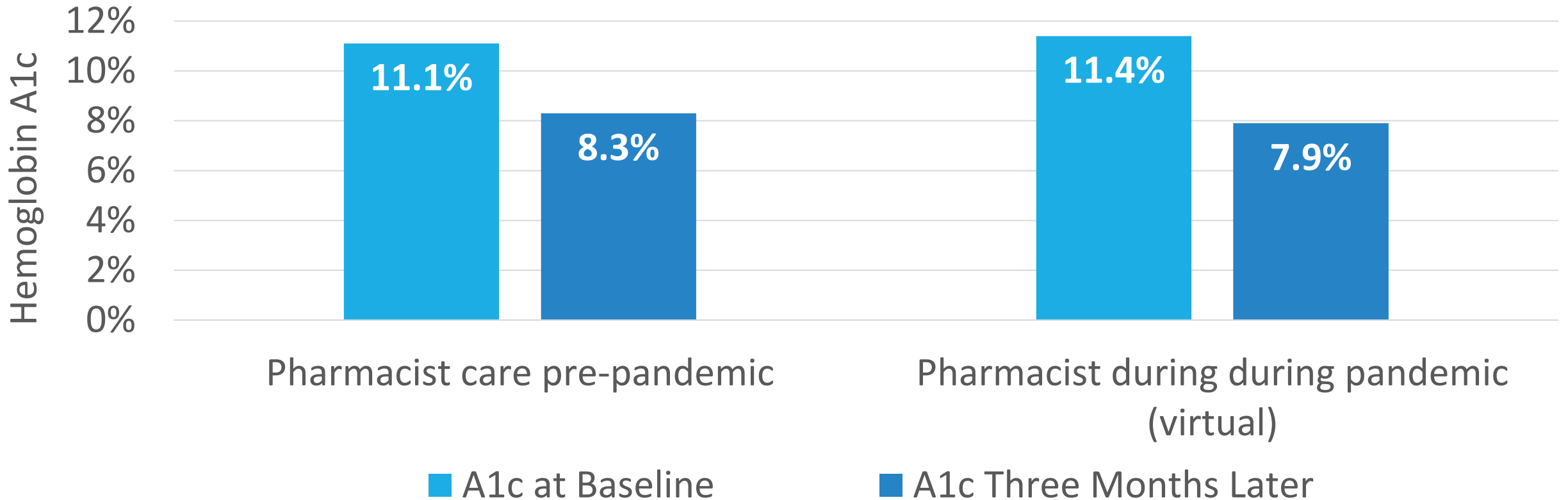
- Diabetes, hypertension, asthma/COPD, tobacco cessation, & osteoporosis

Evaluated care for patients with diabetes

- Analyzed patients managed by pharmacists data prior to and during pandemic
- Patients with hemoglobin A1c greater than 9% referred to pharmacist

Spotlight: Community Health Network

Average Hemoglobin A1c



Spotlight: Community Health Network

Medication Adherence Project

- Team focused on medication adherence to hypertension, diabetes, and statin medications
- Works with Medicare Advantage plans

Measure	Increase Proportion of Days Covered
Hypertension medication adherence	3.47%
Diabetes medication adherence	7.13%
Statin adherence	5.88%

Increase by 10 stars across three contracts

Spotlight: St. Joseph Regional Medical Center

Hypertension Initiative (Patient seen by physician and then referred to pharmacy services)

- Completed in 2019, patients in the family medicine center and family medicine faculty physicians

Systolic BP Change	Diastolic BP Change
-29 mmHg	-12 mmHg

Smoking Cessation Initiative (Pharmacist follow up & 1-800 Quit Now Referral)

Cigarettes per day change	Successful cessation by 6 months
-4	13.3%

Spotlight: St. Joseph Regional Medical Center

Transitions of Care Initiative

Admission diagnosis	Average No. of patients/month	Readmitted prior to PharmD intervention	Readmitted after PharmD intervention
Sepsis	26	26.6%	15.5%
Pneumonia	29	27.9%	14.7%
CHF	19	33.6%	6.3%
COPD	15	34.4%	10.3%
Renal	12	34.6%	21.4%

Readmission dollars saved: **\$335,280.29/month** (one quarter)

HPV immunization initiative: (PharmD screening & education)

- Family medicine center vaccination rates increased by **13%**

Spotlight: IU Health Bloomington

Diabetes

- Average hemoglobin A1c reduction: -2.2%
- Less frequent physician visits after pharmacists' interventions

Hypertension

- 68% of patients seen by a pharmacist met blood pressure goal in less than 6 months

Transitions of care

- Over 1200 patients required medication intervention after discharge to prevent complications or potential readmission

Spotlight: HealthLinc

Focus on diabetes management

- Patients with hemoglobin A1c >9%

**Prior to pharmacist
intervention:
54.3% of patients had an
A1c >9%**

**After pharmacist
intervention:
28.9% of patients had an
A1c >9%**

Spotlight: Topeka Pharmacy

Community pharmacy serving rural Topeka, IN and Lagrange, Noble, and Elkhart counties.

Diabetes Education Program serving patients with limited access to diabetes care from other providers

Year	2018	2019	2020
Number of Patients Seen	42	32	36
HgbA1c Change	-2.69%	-2.7%	-2.24%
Weight Change	-9.4 lbs	-6.4 lbs	-6.8 lbs
BMI Change	-1.55	-1.03	-1.18

These results are achieved in **four** billable hours

Spotlight: CPESN Indiana

43 independent Community Pharmacies within the state dedicated to providing Enhanced Services Networks to patients and employers

A cohort of 19 of these pharmacies is currently involved in a *Flip the Pharmacy* campaign, under which they are documenting interventions:

- Comprehensive medication reviews
- Blood pressure screenings
- Immunization reviews and administration
- Diabetes management interventions
- Smoking cessation consultations, and many other services



Spotlight: CPESN Flip the Pharmacy

October 1st, 2020 – April 26th, 2021: 19 pharmacies involved in *Flip the Pharmacy* documented **7,322 interventions** completing services beyond prescription dispensing

- This in addition to providing COVID-19 vaccines to tens of thousands of Hoosiers
- These services demonstrate the opportunity within community pharmacy practice but are not being reimbursed by payers at this time.

Summary

Indiana Pharmacists are essential providers of the healthcare team



Indiana Pharmacists offer impactful patient care services



Indiana Pharmacists **improve healthcare outcomes and reduce costs**