

The 2015 Indiana HIV Outbreak: Overview

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Joint Meeting of the Drug Safety and Risk Management Advisory Committee and the Anesthetic and Analgesic Drug Products Advisory Committee

March 13-14, 2017



**Dr. Adams has no relevant financial
affiliations or other relationships
to disclose**



Indiana State
Department of Health

Indiana HIV Outbreak: Overview

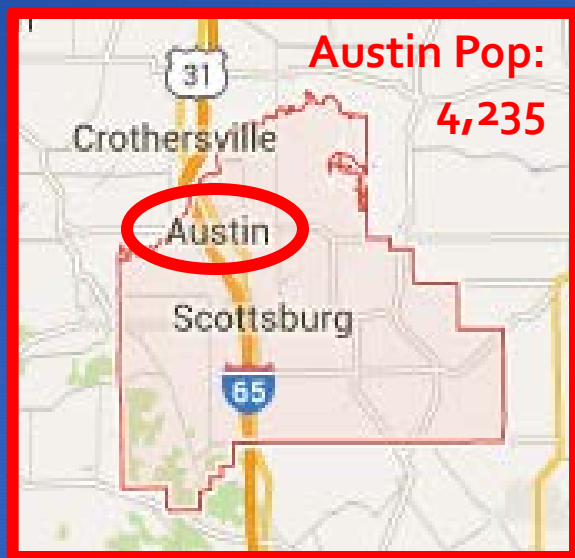
December 2014: 3 people diagnosed with HIV

- Linked to Austin, IN
- Two had a common-needle sharing partner
- Contact tracing → 8 more people diagnosed with HIV by January 23, 2015
- Only 5 people diagnosed with HIV reported in Scott County 2004-2013

March 5, 2017: 215 people diagnosed with HIV

- All linked to Austin, IN
- Nearly all had experience injecting OPANA® ER
- Infections were recent and from a single strain of HIV
- 204 (95%) co-infected with hepatitis C





Scott County, Indiana

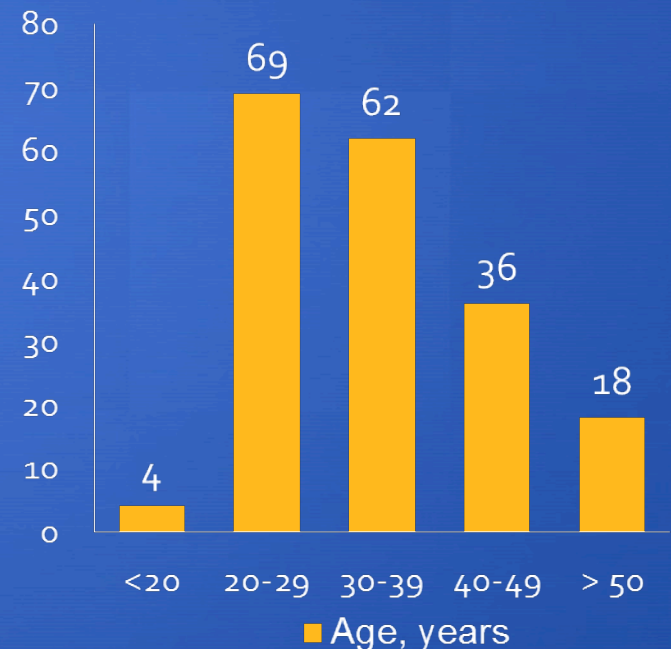
- Population: 24,000 (Austin : 4,235)
- High poverty (19.0%)
- High unemployment (8.9%)
- Low educational attainment (21.3% have not completed high school)
- Ranked last among 92 counties in a variety of health and social indicators, including life expectancy



Demographics of Individuals Infected with HIV (N=189 at time of assessment)

- 58% male
- 98% non-Hispanic white
- Median age 33.5 years
- 94% reported injecting drugs
 - All reported oxymorphone (“Opana”)
 - Some also methamphetamine, heroin





Number of Persons Diagnosed with HIV,
by Age



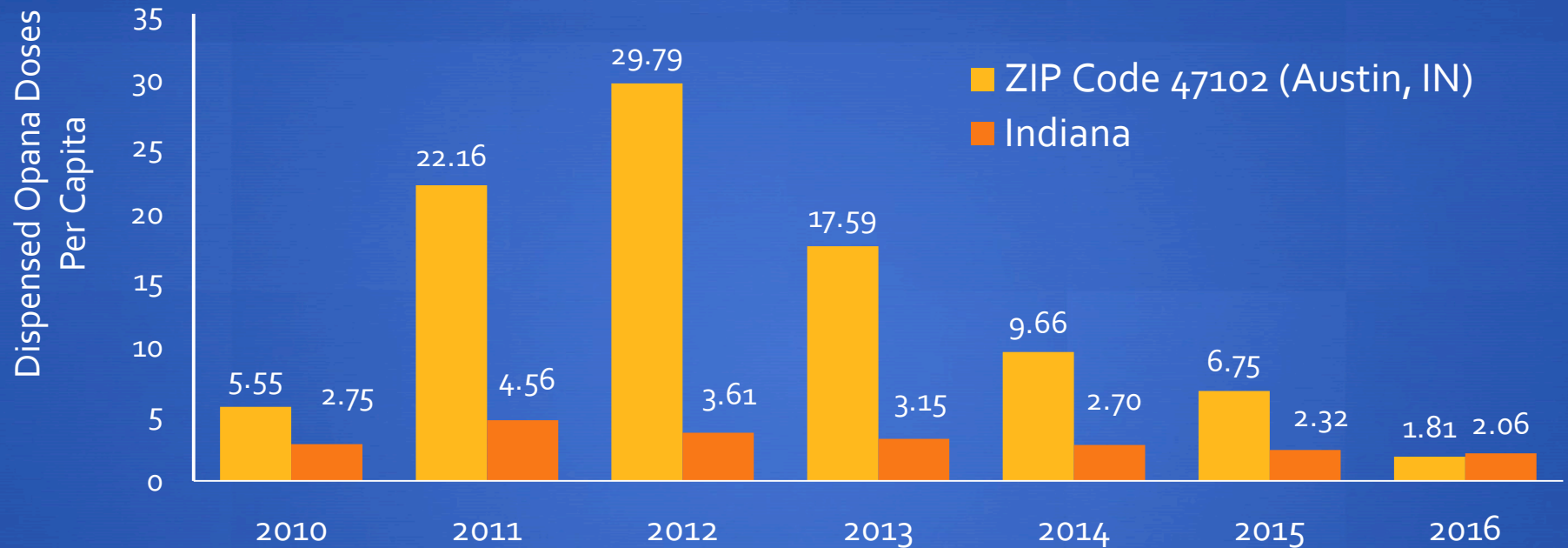
Indiana State Department of Health
Division of HIV/STD

Why OPANA® ER

- 2010 – reformulation of OxyContin®
- OPANA® ER quickly replaced OxyContin® - snorted, injected
- 2012 – OPANA® ER reformulated, impossible to crush/snort
- Short half-life 3-4 hours when injected = multiple injections/day
- High street cost leads to pill sharing
 - \$160 per 40 mg tablet during outbreak peak, currently > \$200 per tablet
- Potency: higher morphine-equivalent dose (MED) than heroin
- You know what you're getting

Dosage Strength	OPANA® ER with INTAC® Tablet Images*	GENERIC oxymorphone ER Global Pharma (Impax) Tablet Images*
40 mg		
30 mg		

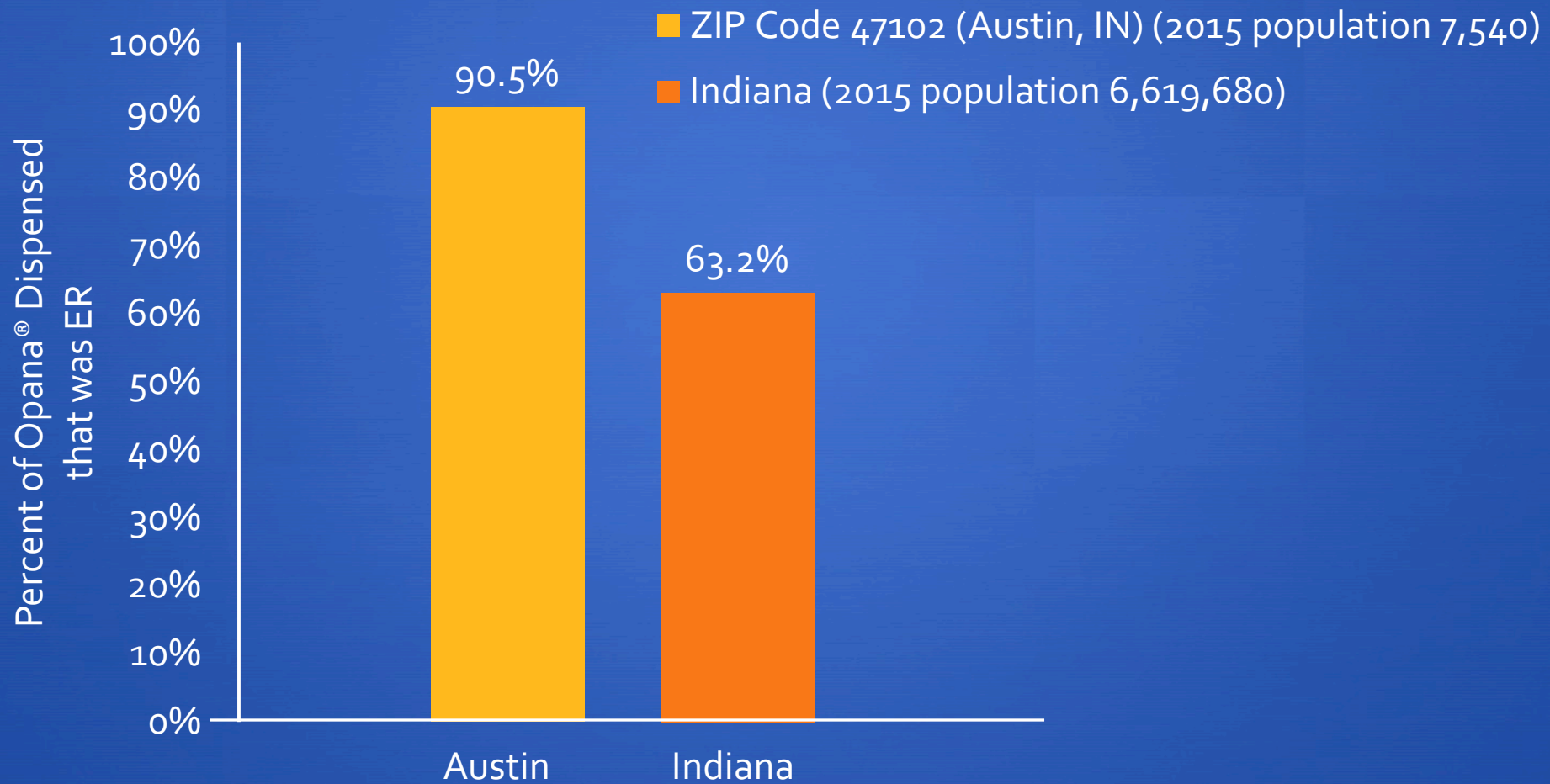
Dispensed Opana® (All) Doses Per Capita, ZIP Code 47102 (Austin, IN) and Indiana



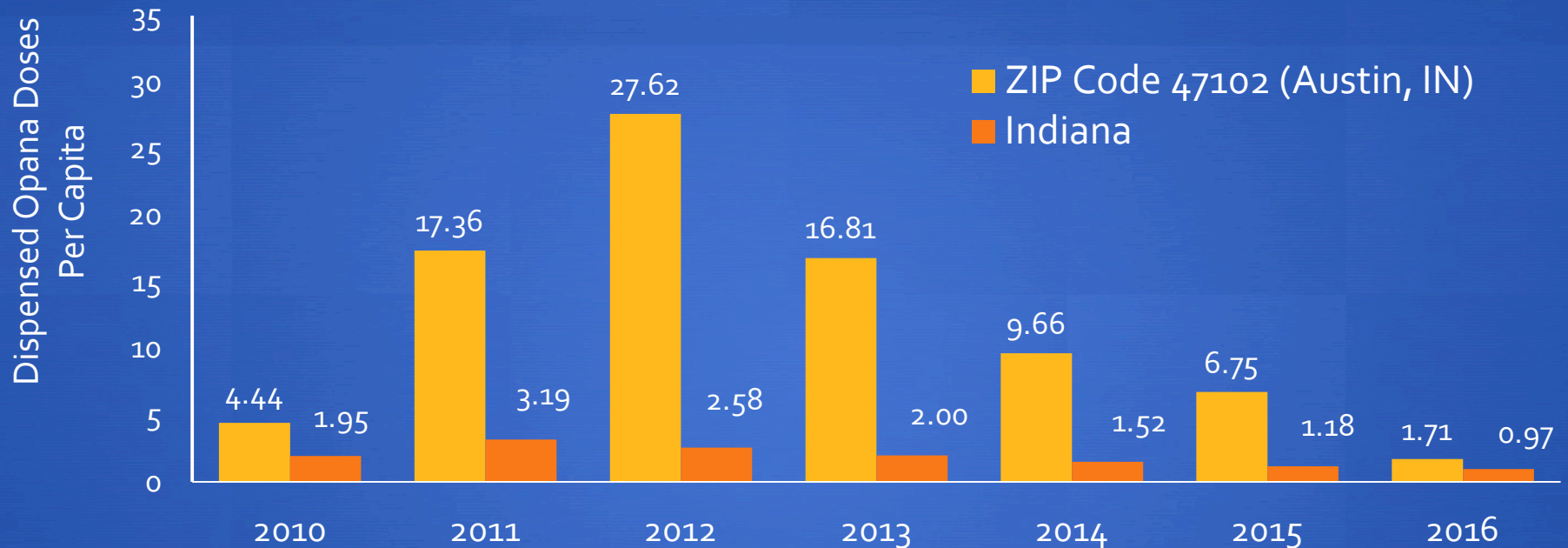
ZIP Code 47102 All Opana Doses Dispensed	2010	2011	2012	2013	2014	2015	2016
	40,272	167,332	228,664	138,042	75,692	50,862	13,638
Indiana All Opana Doses Dispensed	17,878,050	29,712,837	23,628,177	20,670,904	17,818,932	15,351,688	13,655,392

Data Notes: 2016 population estimates are currently unavailable for 47102. 2015 population estimates used for 2016.
 2016 IN Population: 6,633,053
 2015 ZIP Code 47102 Population: 7,540

Percent of Opana® ER Dispensed Austin and Indiana, 2010-2016



Dispensed Opana® ER Doses Per Capita ZIP Code 47102 (Austin, IN) and Indiana

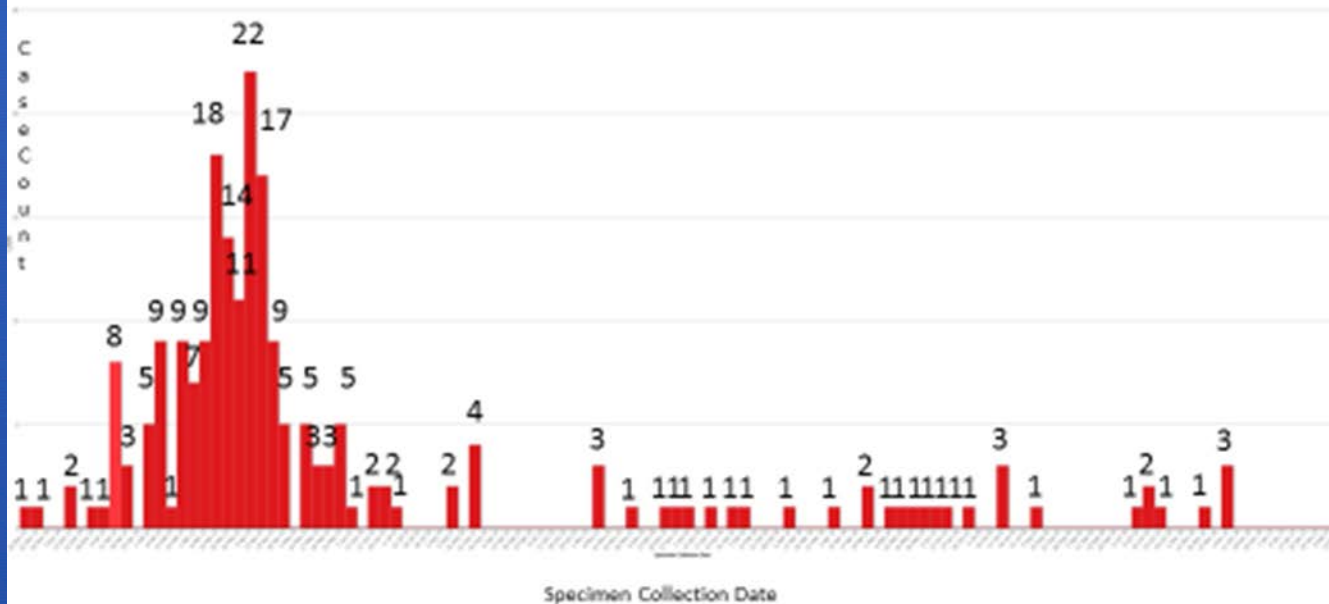


ZIP Code 47102 Opana® ER Doses Dispensed	2010	2011	2012	2013	2014	2015	2016
	32,176	131,080	212,016	131,922	75,692	50,862	12,918
Indiana Opana® ER Doses Dispensed	12,645,455	20,759,422	16,848,922	13,139,532	10,020,792	7,797,141	6,462,388

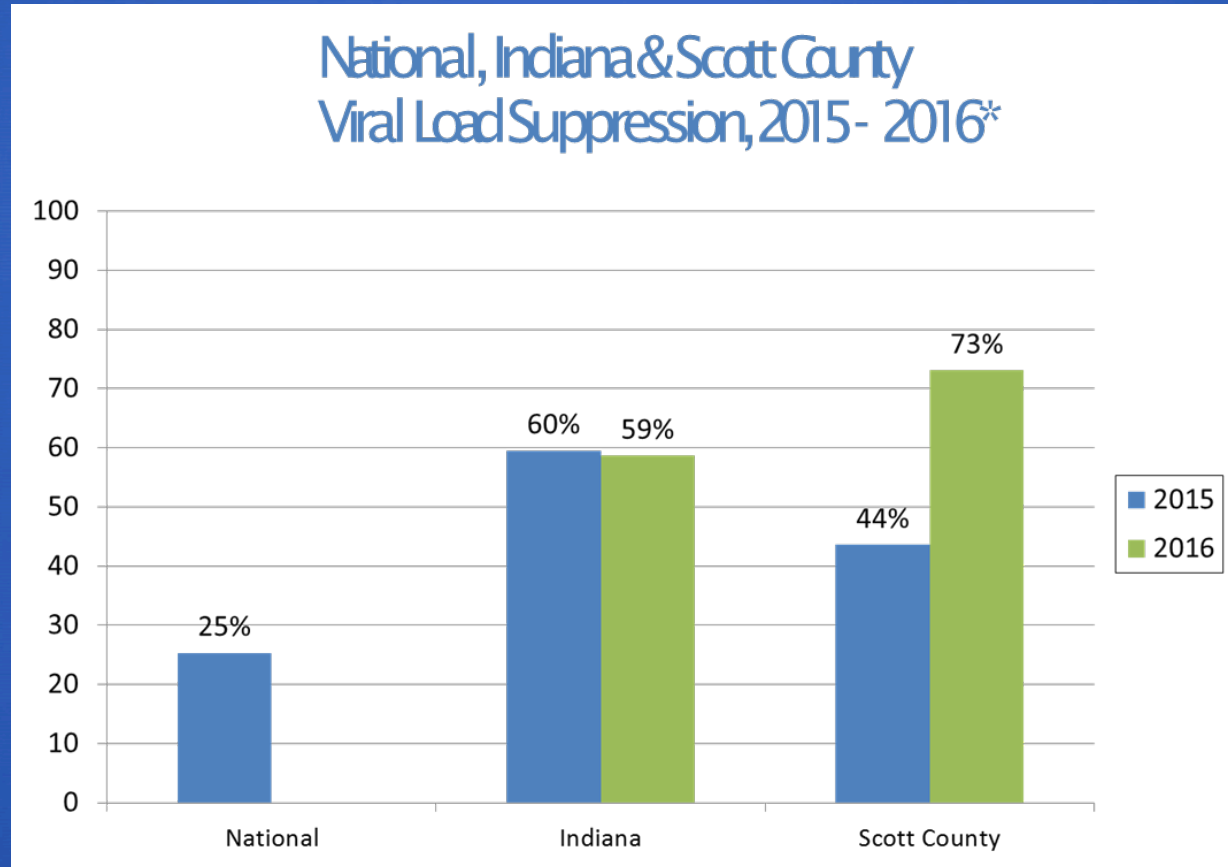
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Making Progress

Epidemic Curve 2.13.2017



Making Progress



Skarbinski J, Rosenberg E, Paz-Bailey G, Hall HI, Rose CE, Viall AH, Fagan JL, Lansky A, Mermin JH. Human immunodeficiency virus transmission at each step of the care continuum in the United States. *JAMA Intern Med.* 2015 Apr;175(4):588-96. doi: 10.1001/jamainternmed.2014.8180.