



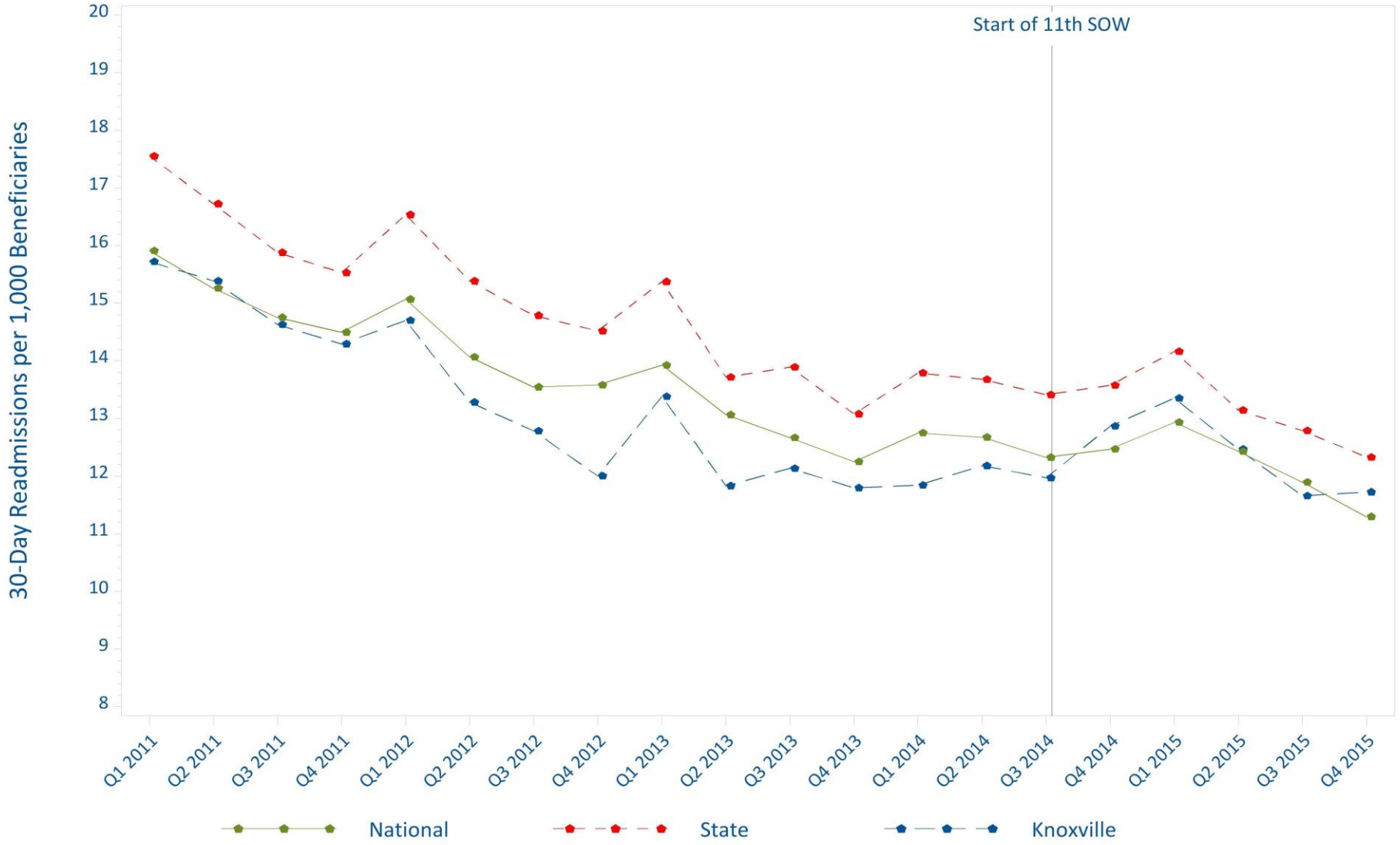
# Knoxville Community Data Update BBBHC

**Corley Roberts, MHA, CPHQ, ACSM EP-C, EIM  
Quality Improvement Advisor,  
Qsource/atom Alliance  
[croberts@qsource.org](mailto:croberts@qsource.org)**

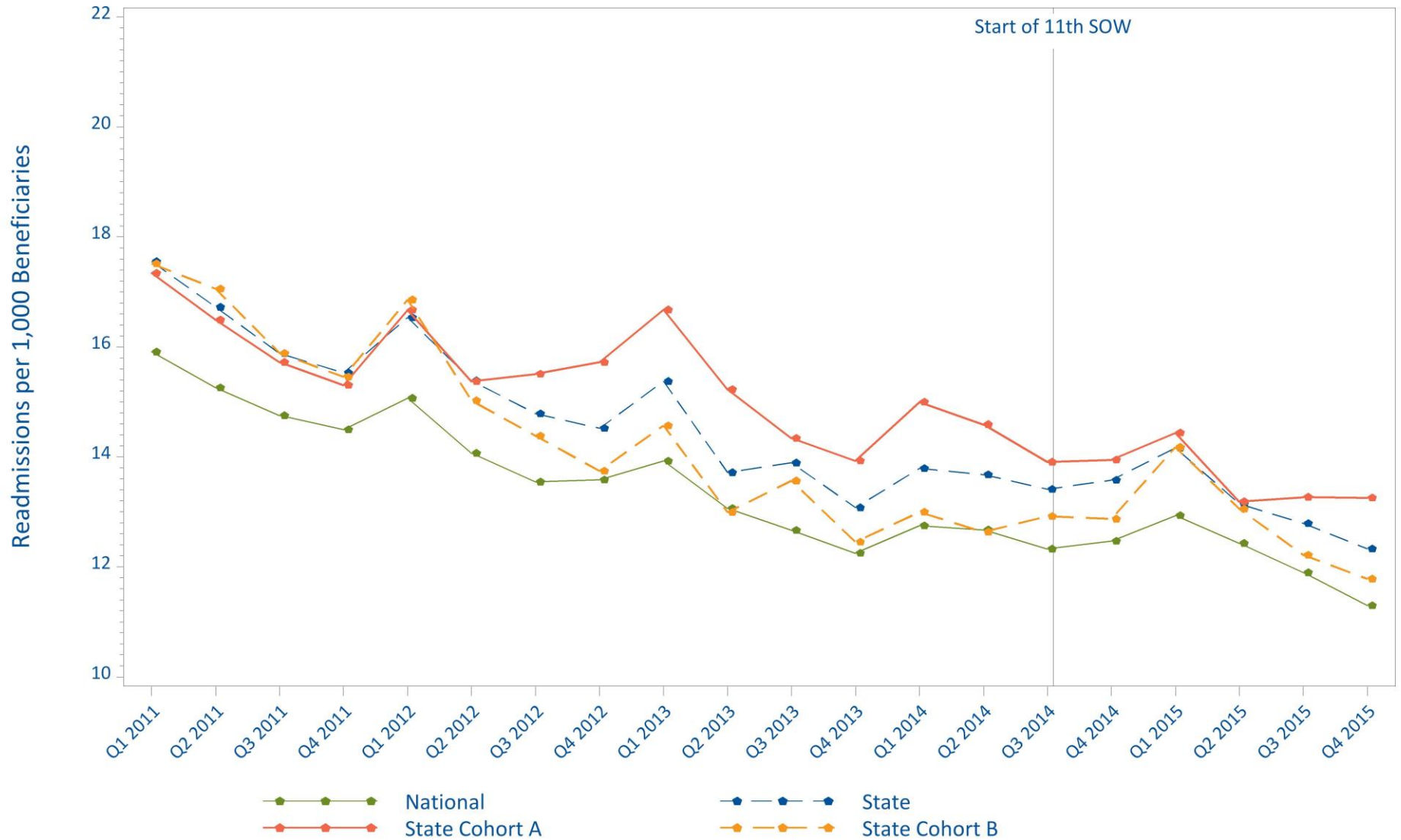


# Tennessee Knoxville

## Quarterly 30-Day Readmissions per 1,000 Beneficiaries



# Tennessee National, State, and State Cohorts A and B Quarterly Readmissions per 1,000 Beneficiaries



# Discharge Status

2015Q1-2015Q4

Hospital Inpatient Claims Medicare Population



The code used to identify the status of the patient as of discharge

	Community			State			% Change
	30 Day ReAdmits	All 30 Day ReAdmits	%	30 Day ReAdmits	All 30 Day ReAdmits	%	
01: Discharged to home/self care (routine charge).	3138	6245	50.2%	23114	47733	48.4%	1.8%
02: Discharged/transferred to other short term general hospital for inpatient care.	46	6245	0.7%	800	47733	1.7%	-0.9%
03: Discharged/transferred to skilled nursing facility (SNF) with Medicare certification in anticipation of covered skilled care	1478	6245	23.7%	10884	47733	22.8%	0.9%
04: Discharged/transferred to intermediate care facility (ICF).	59	6245	0.9%	638	47733	1.3%	-0.4%
05: Discharged/transferred to another type of institution for inpatient care (including distinct parts). NOTE: Effective 1/2005, psychiatric hospital or	2	6245	0.0%	16	47733	0.0%	0.0%
06: Discharged/transferred to home care of organized home health service organization.	1271	6245	20.4%	9898	47733	20.7%	-0.4%
07: Left against medical advice or discontinued care.	99	6245	1.6%	685	47733	1.4%	0.2%
30: Still patient.	5	6245	0.1%	33	47733	0.1%	0.0%

# DRG Code

2015Q1-2015Q4

Hospital Inpatient Claims Medicare Population



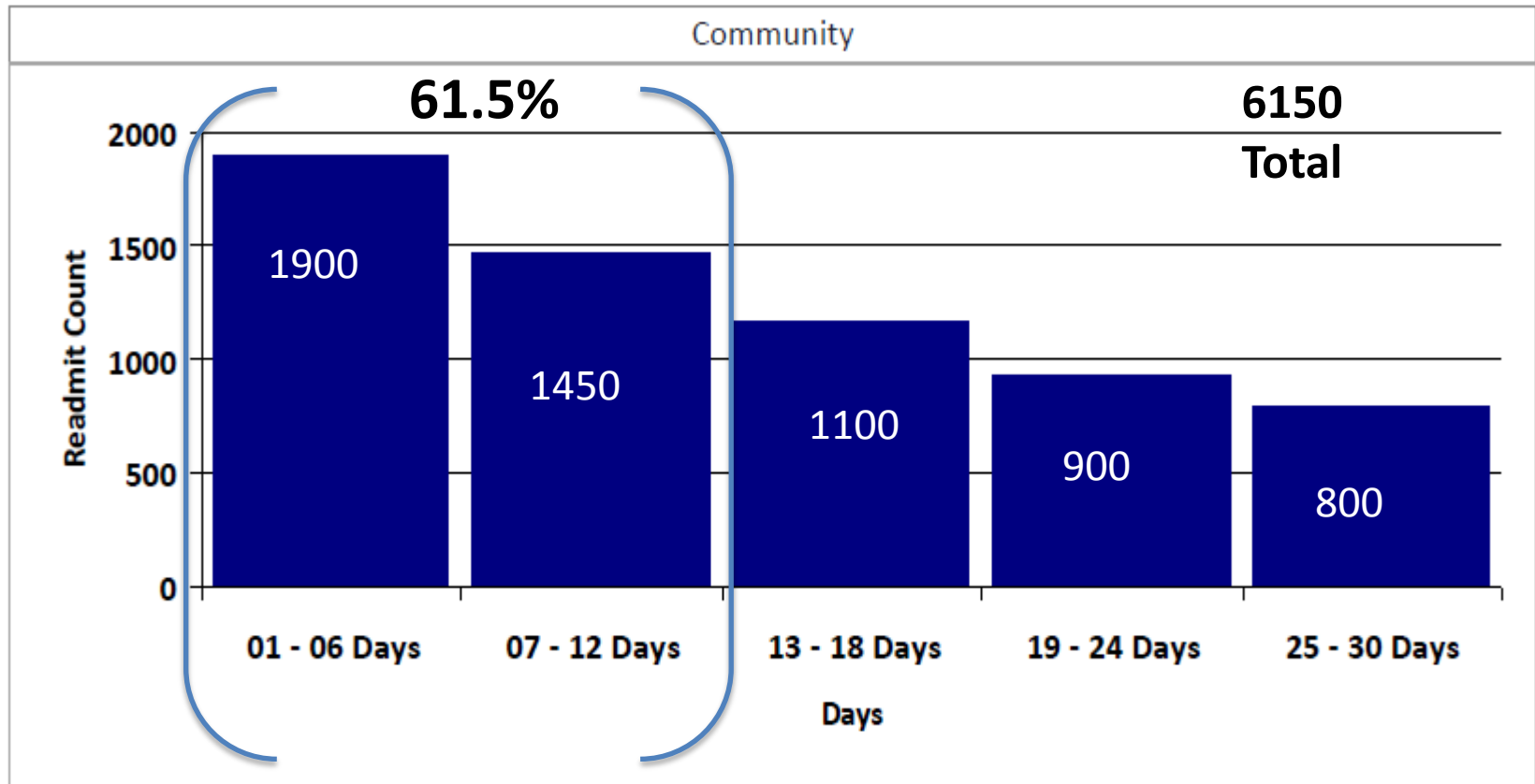
Top 10: DRG\_CODE

	DRG Code						% Change
	Community			State			
	Admits	30 Day ReAdmits	%	Admits	30 Day ReAdmits	%	
1 871: SEPTICEMIA OR SEVERE SEPSIS W/O MV 96+ HOURS W MCC	1778	391	22.0%	11483	2319	20.2%	1.8%
2 885: PSYCHOSES	1147	359	31.3%	10276	2518	24.5%	6.8%
3 291: HEART FAILURE & SHOCK W MCC	771	223	28.9%	5581	1478	26.5%	2.4%
4 189: PULMONARY EDEMA & RESPIRATORY FAILURE	683	183	26.8%	3898	943	24.2%	2.6%
5 193: SIMPLE PNEUMONIA & PLEURISY W MCC	809	170	21.0%	4680	1014	21.7%	-0.7%
6 190: CHRONIC OBSTRUCTIVE PULMONARY DISEASE W MCC	731	157	21.5%	4498	986	21.9%	-0.4%
7 682: RENAL FAILURE W MCC	477	119	24.9%	3635	846	23.3%	1.7%
8 292: HEART FAILURE & SHOCK W CC	475	109	22.9%	4820	1199	24.9%	-1.9%
9 392: ESOPHAGITIS, GASTROENT & MISC DIGEST DISORDERS W/O MCC	569	107	18.8%	4757	776	16.3%	2.5%
10 683: RENAL FAILURE W CC	485	93	19.2%	4421	901	20.4%	-1.2%
All Claims	7925	1911	24.1%	58049	12980	22.4%	1.8%

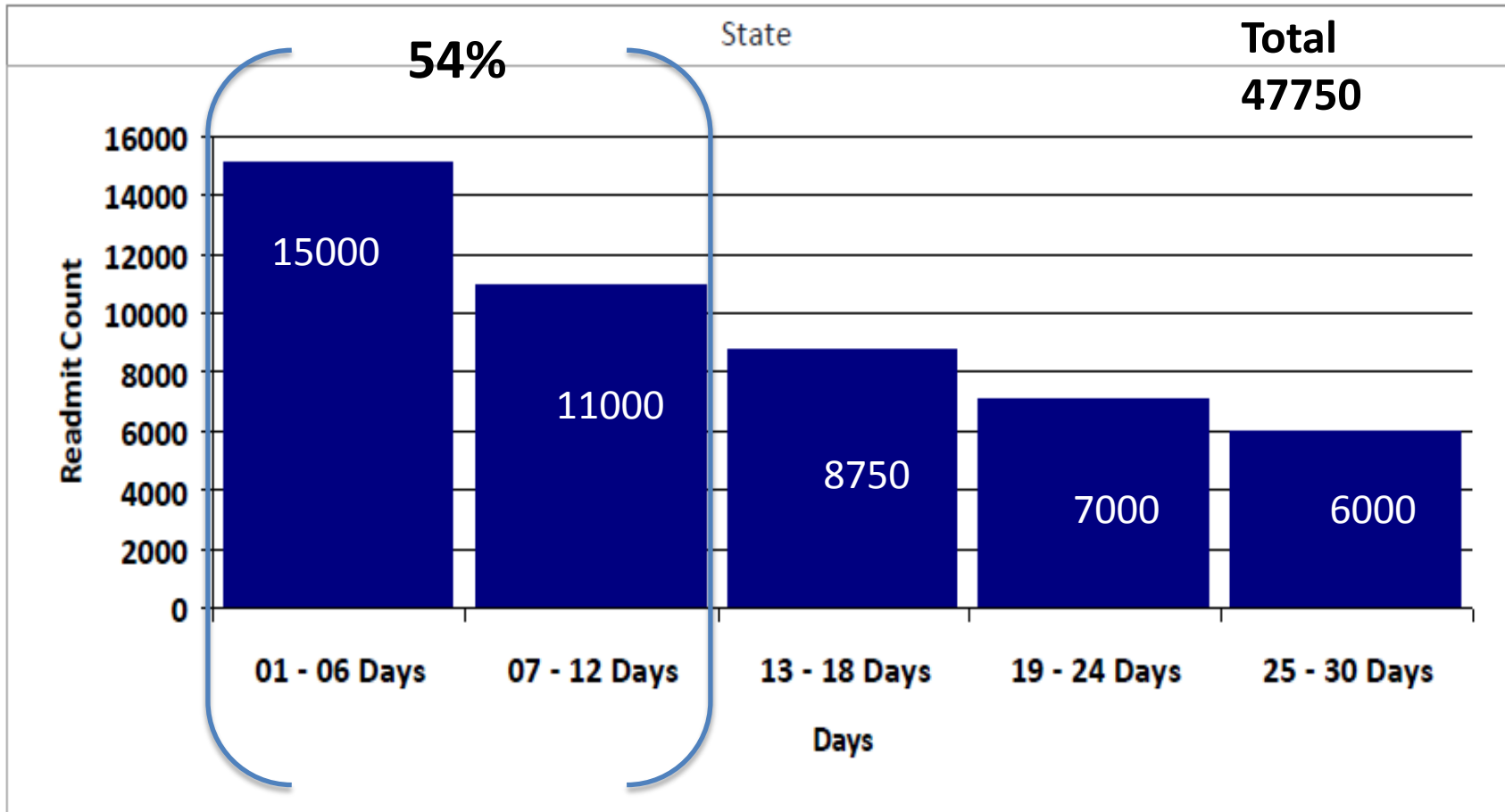


# Community – Days to Readmission

Range of Days to Readmission  
30 Day Readmission in Days Ranges



# State – Days to Readmission



# Community Zip Codes with Disposition

2015Q1-2015Q4

Hospital Inpatient Claims Medicare Population

Top 11



## Community Zip Codes

	Community			ReAdmits Index Hosp Disposition				
	Admits	30 Day ReAdmits	%	01*	03*	06*	50*	OTH*
37773 LONE MOUNTAIN	2	1	50.0%	1	0	0	0	0
37730 EAGAN	12	5	41.7%	2	2	1	0	0
37915 KNOXVILLE →	204	85	41.7%	62	6	6	0	11
37927 KNOXVILLE	35	12	34.3%	12	0	0	0	0
37929 KNOXVILLE	3	1	33.3%	1	0	0	0	0
37866 SHARPS CHAPEL	60	19	31.7%	9	5	4	0	1
37845 PETROS	26	8	30.8%	3	4	1	0	0
37902 KNOXVILLE	52	14	26.9%	4	6	4	0	0
37742 GREENBACK →	213	57	26.8%	29	13	9	0	6
37917 KNOXVILLE →	1084	277	25.6%	168	51	40	2	16
37802 MARYVILLE →	94	24	25.5%	12	5	5	0	2

01\* Home – Self Care

03\* Skilled Nursing Facility

06\* Home care with HH services



# Summary



❁ **What might be some causes in the variation observed in community readmission trends?**

❁ Seasonal? Diagnosis? Staffing or program changes? Demographics?

❁ **Where are most of the patients being discharged to?**

❁ Speaks to discharge information and processes

❁ Speaks to PAC (post acute care) utilization

❁ **Are we concentrating our efforts?**

❁ on the few with a big impact? Diagnosis? Age?

❁ # days to readmission? (first 14 days)

❁ Speaks to care coordination, communication, PAC, processes

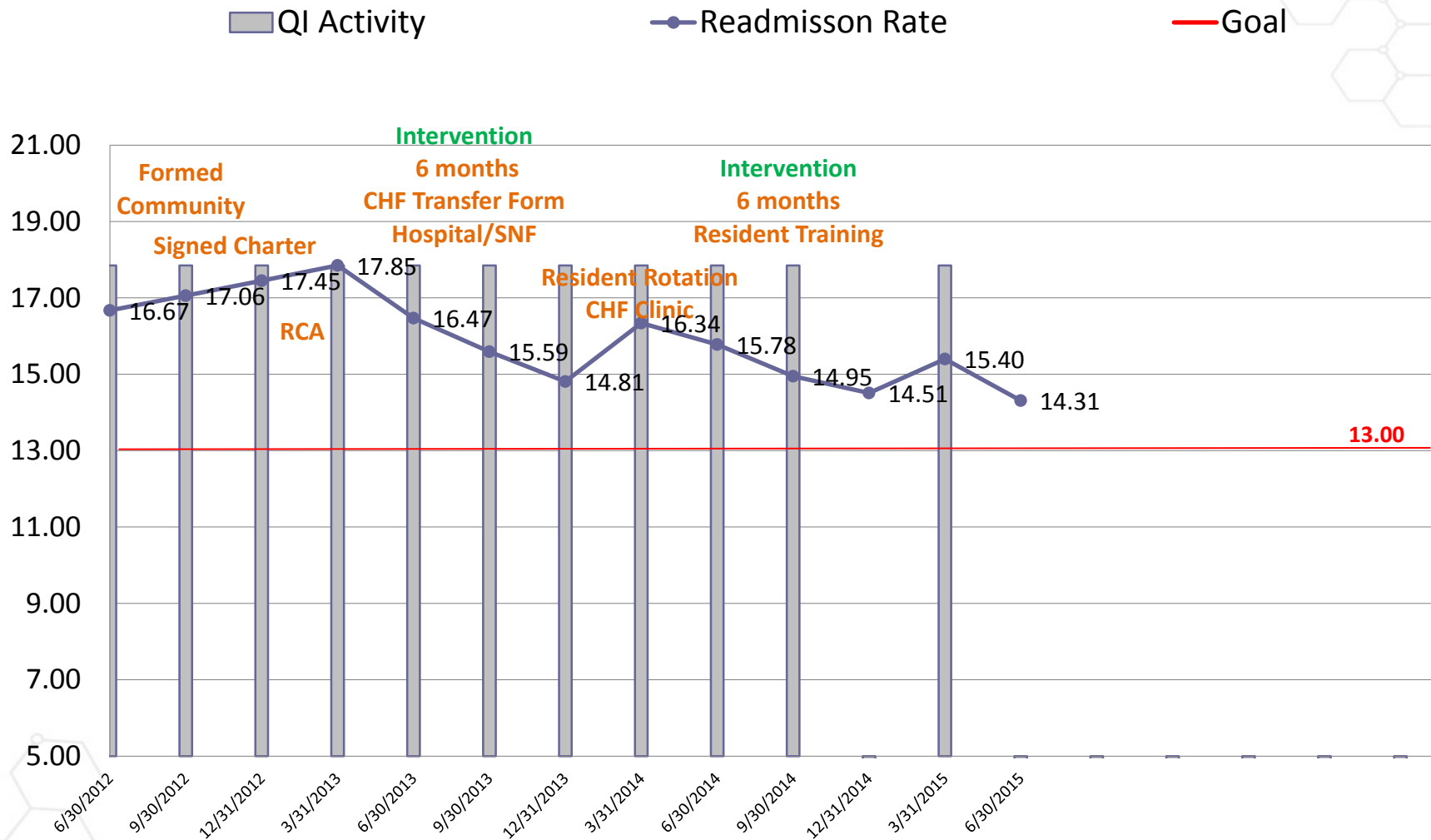
❁ on zip code areas? Where do patients live? Resources?

❁ Hot spotting



How are community coalitions showing collective impact on reducing unnecessary readmissions?

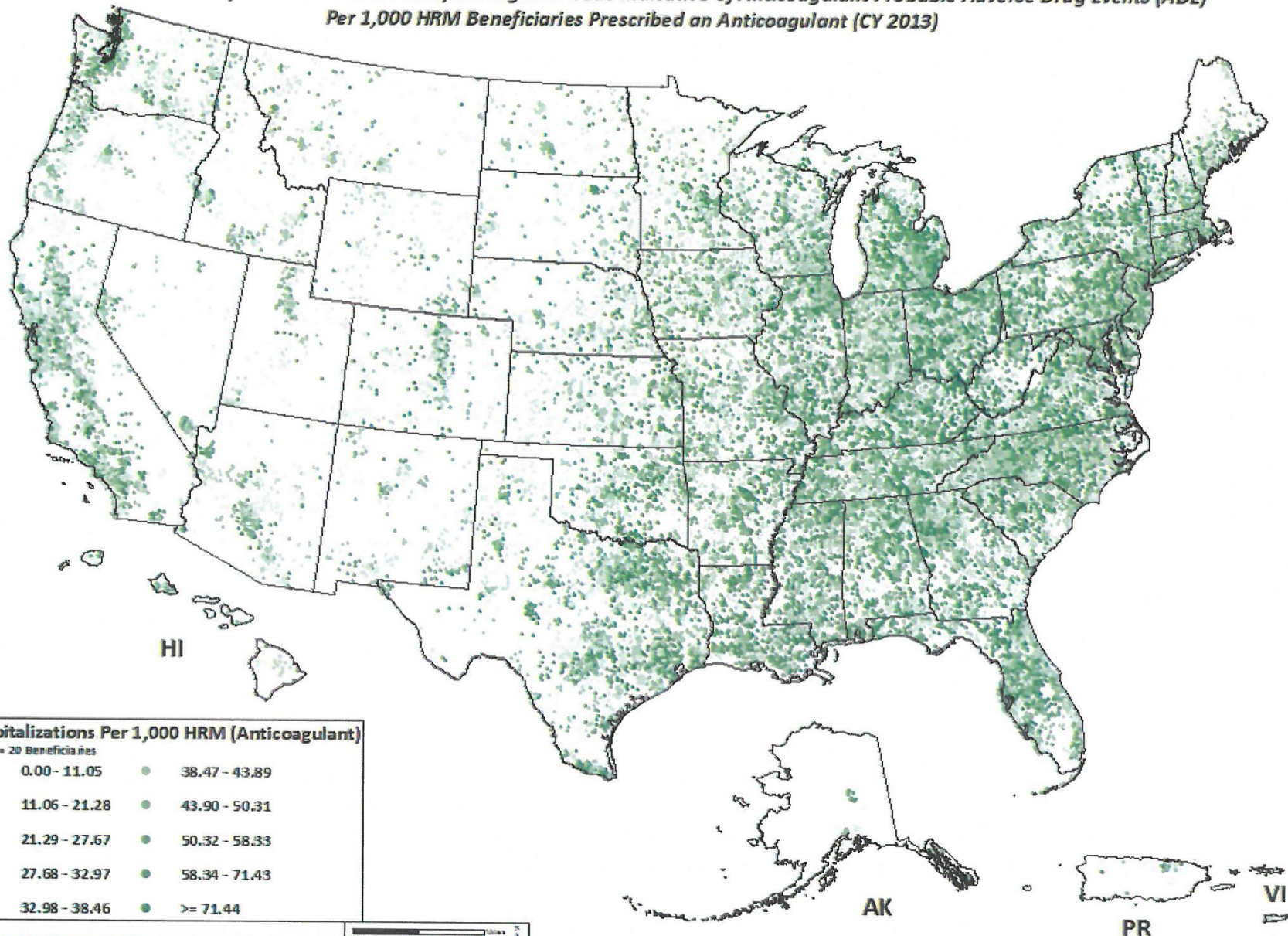
# Sample Community Impact Statement





# Medication Safety Update

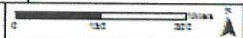
**ZIP Code Level Hospitalizations with Principal Diagnosis Code Indicative of Anticoagulant Probable Adverse Drug Events (ADE)  
Per 1,000 HRM Beneficiaries Prescribed an Anticoagulant (CY 2013)**



**Hospitalizations Per 1,000 HRM (Anticoagulant)**

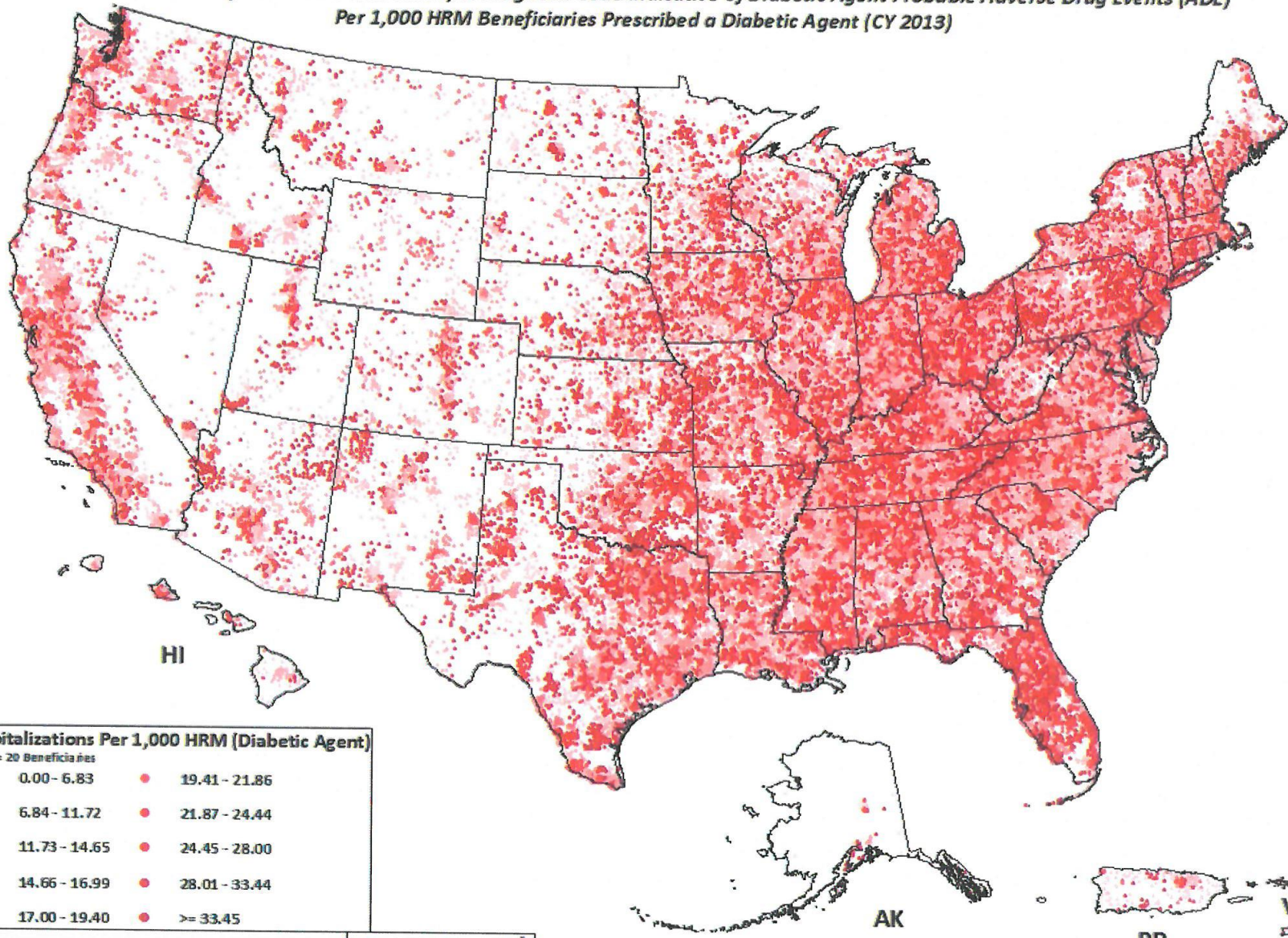
1 Dot = 20 Beneficiaries

0.00 - 11.05	38.47 - 43.89
11.06 - 21.28	43.90 - 50.31
21.29 - 27.67	50.32 - 58.33
27.68 - 32.97	58.34 - 71.43
32.98 - 38.46	>= 71.44



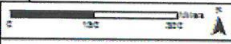
This material was prepared by Telligen, the Quality Innovation Network National Coordinating Center, under contract with the Centers for Medicare & Medicaid Services (CMS), an agency of the U.S. Department of Health and Human Services. The contents presented do not necessarily reflect CMS policy. [11150W-QINCC-00605-01/14/16]

**ZIP Code Level Hospitalizations with Principal Diagnosis Code Indicative of Diabetic Agent Probable Adverse Drug Events (ADE)  
Per 1,000 HRM Beneficiaries Prescribed a Diabetic Agent (CY 2013)**



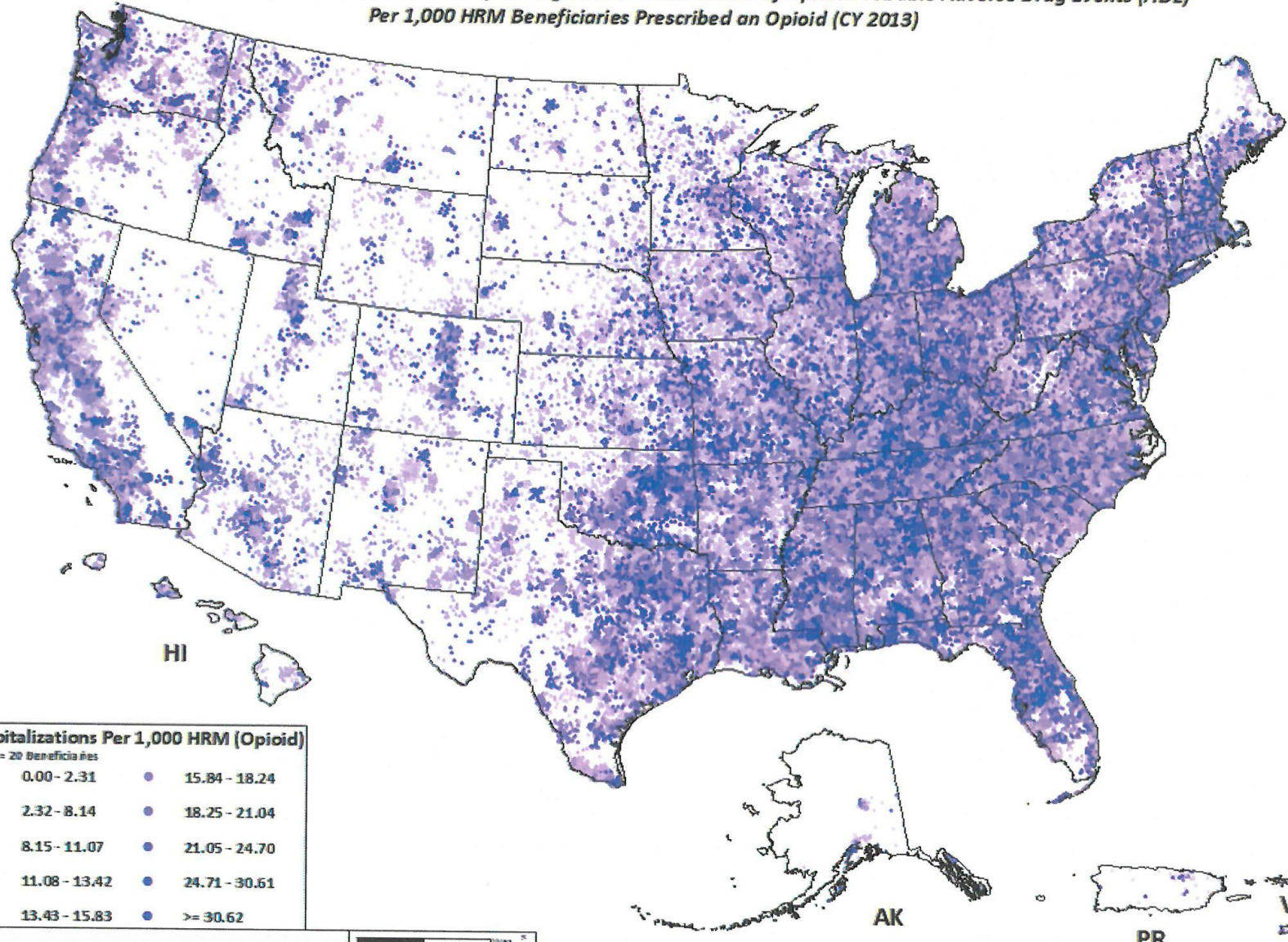
**Hospitalizations Per 1,000 HRM (Diabetic Agent)**  
1 Dot = 20 Beneficiaries

0.00 - 6.83	19.41 - 21.86
6.84 - 11.72	21.87 - 24.44
11.73 - 14.65	24.45 - 28.00
14.66 - 16.99	28.01 - 33.44
17.00 - 19.40	>= 33.45



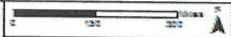
This material was prepared by Telligen, the Quality Innovation Network National Coordinating Center, under contract with the Centers for Medicare & Medicaid Services (CMS), an agency of the U.S. Department of Health and Human Services. The contents presented do not necessarily reflect CMS policy. [1150W-QINCC-00605-01/14/16]

**ZIP Code Level Hospitalizations with Principal Diagnosis Code Indicative of Opioid Probable Adverse Drug Events (ADE)  
Per 1,000 HRM Beneficiaries Prescribed an Opioid (CY 2013)**



**Hospitalizations Per 1,000 HRM (Opioid)**  
1 Dot = 20 Beneficiaries

0.00 - 2.31	15.84 - 18.24
2.32 - 8.14	18.25 - 21.04
8.15 - 11.07	21.05 - 24.70
11.08 - 13.42	24.71 - 30.61
13.43 - 15.83	>= 30.62

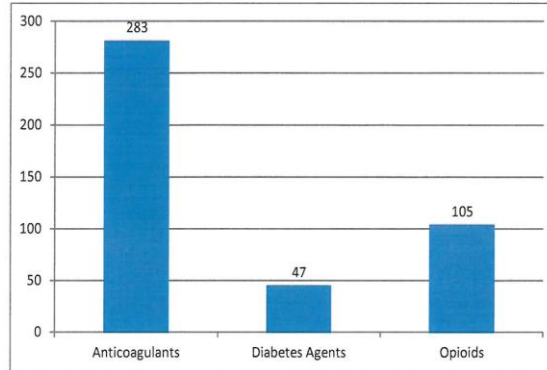


This material was prepared by Telligen, the Quality Innovation Network National Coordinating Center, under contract with the Centers for Medicare & Medicaid Services (CMS), an agency of the U.S. Department of Health and Human Services. The contents presented do not necessarily reflect CMS policy. [1150W-QINN CC-00603-01/14/16]

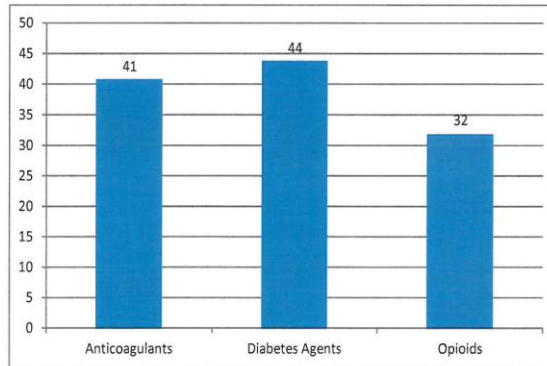




### Tennessee Adverse Drug Event Rate per 1000 Medicare Beneficiaries



### Tennessee State Adverse Drug Event Rank



Data source: CY 2013 Medicare Part A and D claims data





Thank **You** for your  
contribution and  
commitment to this  
work!

Presented June 23, 2016