

Building Community Networks of Preventive Health Services

Senate Committee on Health & Welfare

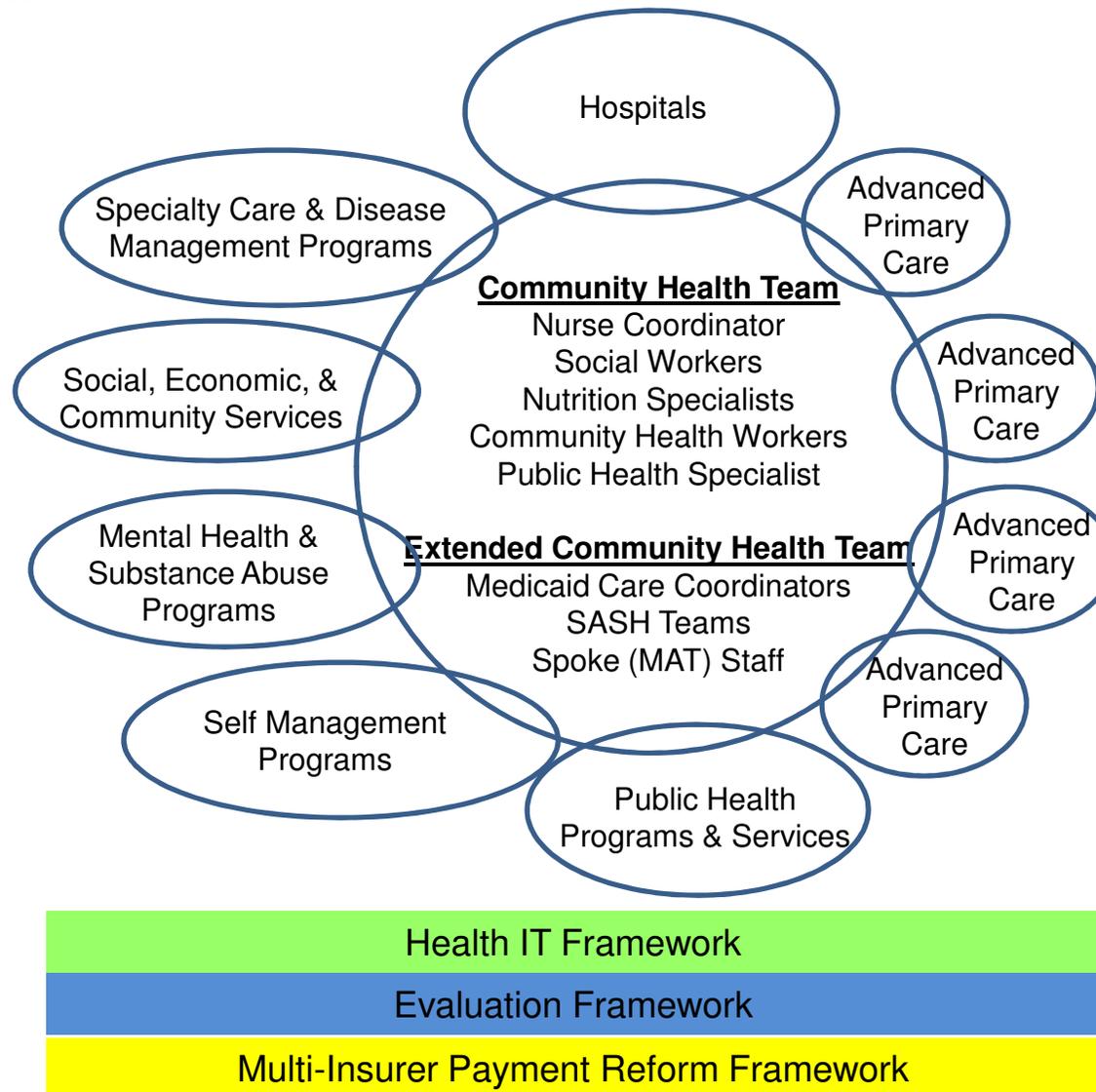
February 5, 2014

Program Evolution

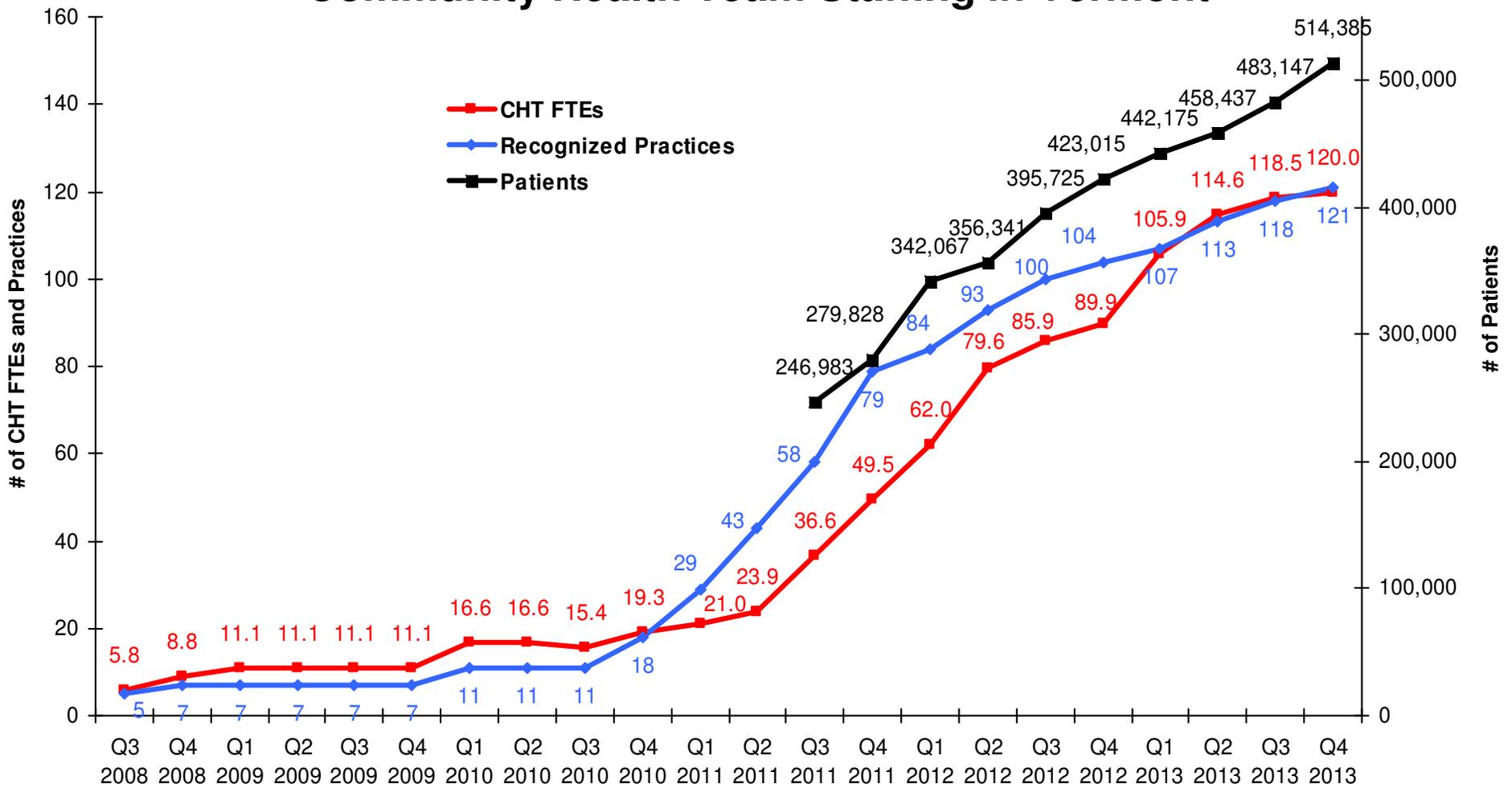
- Started as a multi-stakeholder working group focused on chronic illness (10% of the population using 80% of the resources).
- A key inspiration was the Chronic Care Model, based on the work of Dr. Ed Wagner from Group Health in Seattle.
- Evolved into current model of comprehensive health delivery system reform, including care for the chronically ill.

Vermont's Executive Branch and Legislature *Consistent Support for Health Reform*

- 2003** Blueprint launched as Governor's initiative
- 2005** Implementation of Chronic Care Model
- 2006** Blueprint codified as part of sweeping reform legislation (Act 191)
- 2007** Blueprint leadership and pilots established (Act 71)
- 2008** Community Health Team structure and insurer mandate (Act 204)
- 2010** Statewide Blueprint Expansion outlined (Act 128)
- 2011** Planning for "Single Payer" (Act 48)



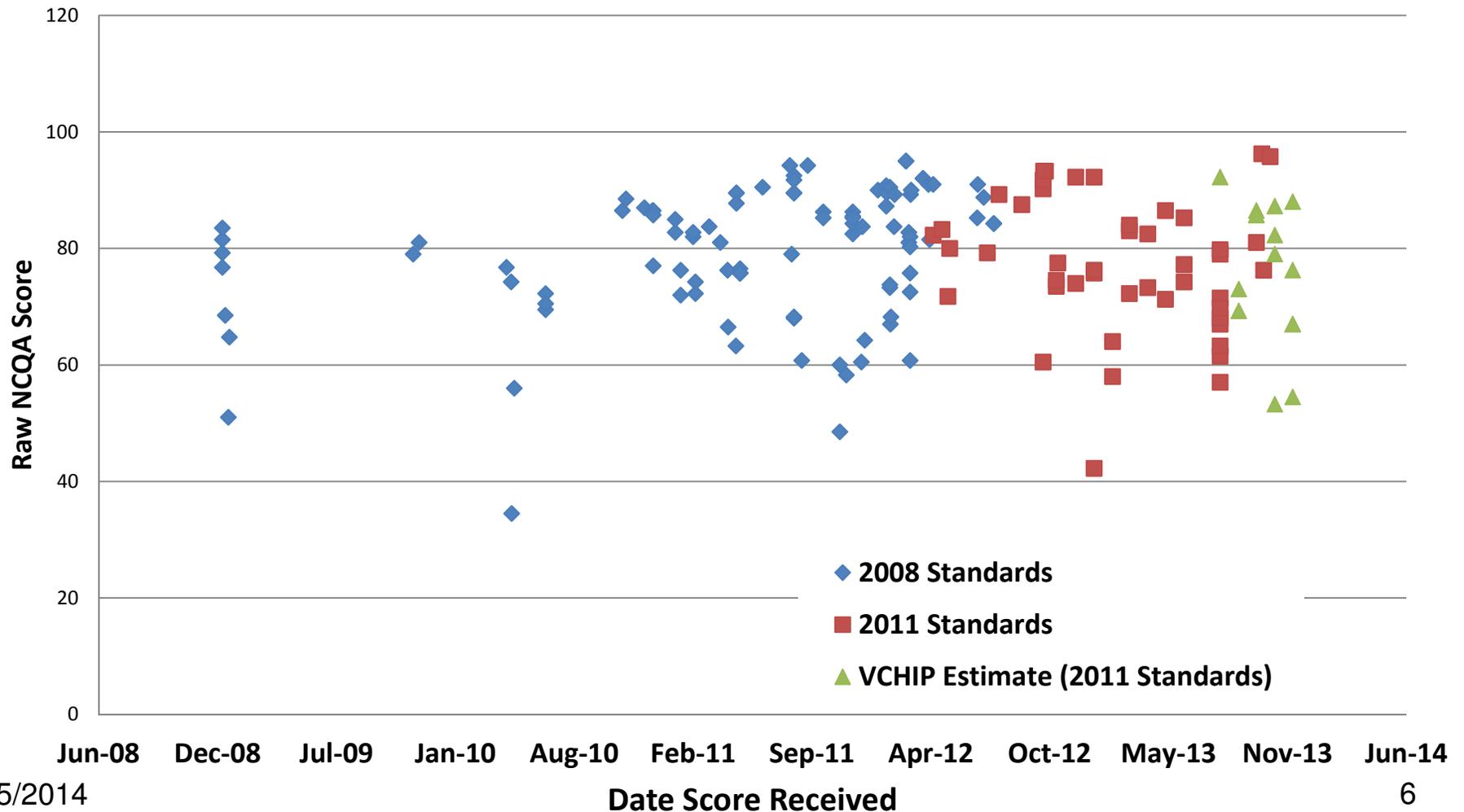
Patient Centered Medical Homes and Community Health Team Staffing in Vermont



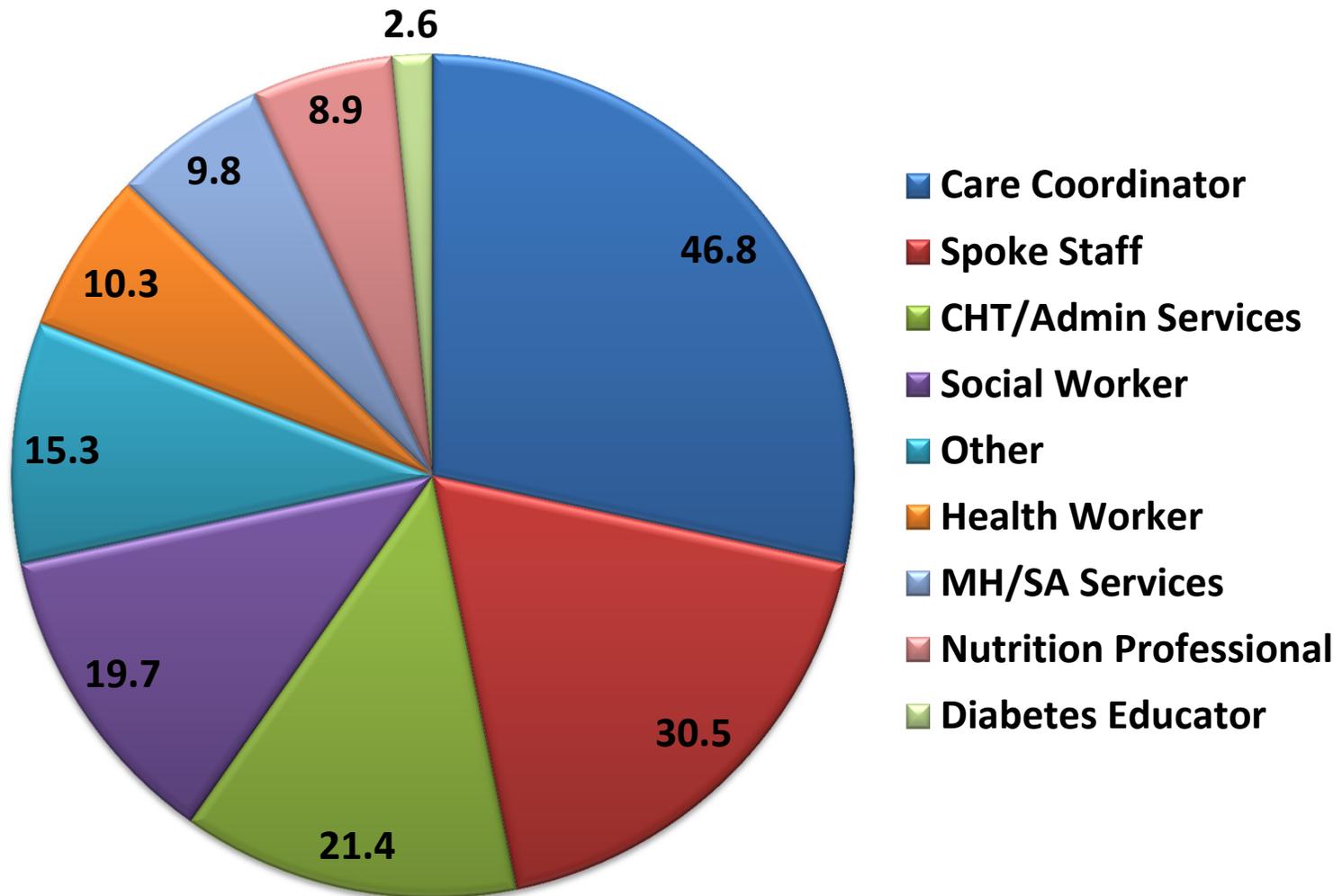
*Since joining the Blueprint, three practices have combined to form a new practice, one practice has joined an existing practice, and one practice has closed.

NCQA Scores Over Time

December 2013



Community Health Team Staffing (FTEs) December, 2013



Health Services Network

Key Components	December 2013
PCMHs (scored by UVM)	121
PCPs (unique providers)	629
Patients (per PCMHs)	514,385
CHT FTEs (core staff)	120
SASH provider FTEs (extenders)	46.5
Spoke Staff FTEs (extenders)	30.45

Leadership Network

Program Leaders & Extenders	# People
Program Managers	14
Practice Facilitators	13
Community Health Team Leaders	14
Regional Housing Authority Leaders (SASH)	6
Self Management Regional Coordinators	14

Learning Forum Network

Program Activities	Frequency
Program Managers Meetings	Every 6 weeks
Practice Facilitators Meetings	Twice monthly
Community Health Team Leader Meetings	Monthly
Self Management Regional Coordinator Meetings	Quarterly
Tobacco Treatment Specialists Meetings	Quarterly
Hub Care Coordinator Learning Community	Monthly
SASH DRHO Executive Directors	Weekly
SASH Regional Team Meetings (3 regions)	3 Times per Year
SASH Local Meetings	Quarterly
Blueprint Conferences	Twice a year
Office Based Opioid Therapy Collaborative (9 months)	Monthly
2/5 Asthma Collaborative (6 months)	Monthly

Self Management Network

Health Service Area	HLW General	HLW Diabetes	HLW Chronic Pain	Tobacco Cessation	WRAP	DPP
Bennington	Offered			Offered	Planned	Planned
Brattleboro	Offered		Offered	Offered	Offered	Offered
Barre	Offered	Offered	Offered	Offered	Offered	Offered
Burlington	Offered	Offered	Offered	Offered	Offered	Offered
Middlebury	Offered			Offered	Offered	Planned
Morrisville	Offered	Offered	Offered	Offered	Planned	Offered
Newport	Offered	Offered		Offered		
Randolph	Offered	Planned	Offered	Offered		Offered
Rutland	Offered	Offered	Offered	Offered	Offered	Offered
St. Albans	Offered	Offered	Offered	Offered	Offered	Offered
St. Johnsbury	Offered			Offered		Planned
Springfield	Offered	Offered		Offered	Offered	Offered
Upper Valley	Offered		Planned	Offered	Planned	Planned
2/ Windsor	Offered		Offered	Offered	Offered	

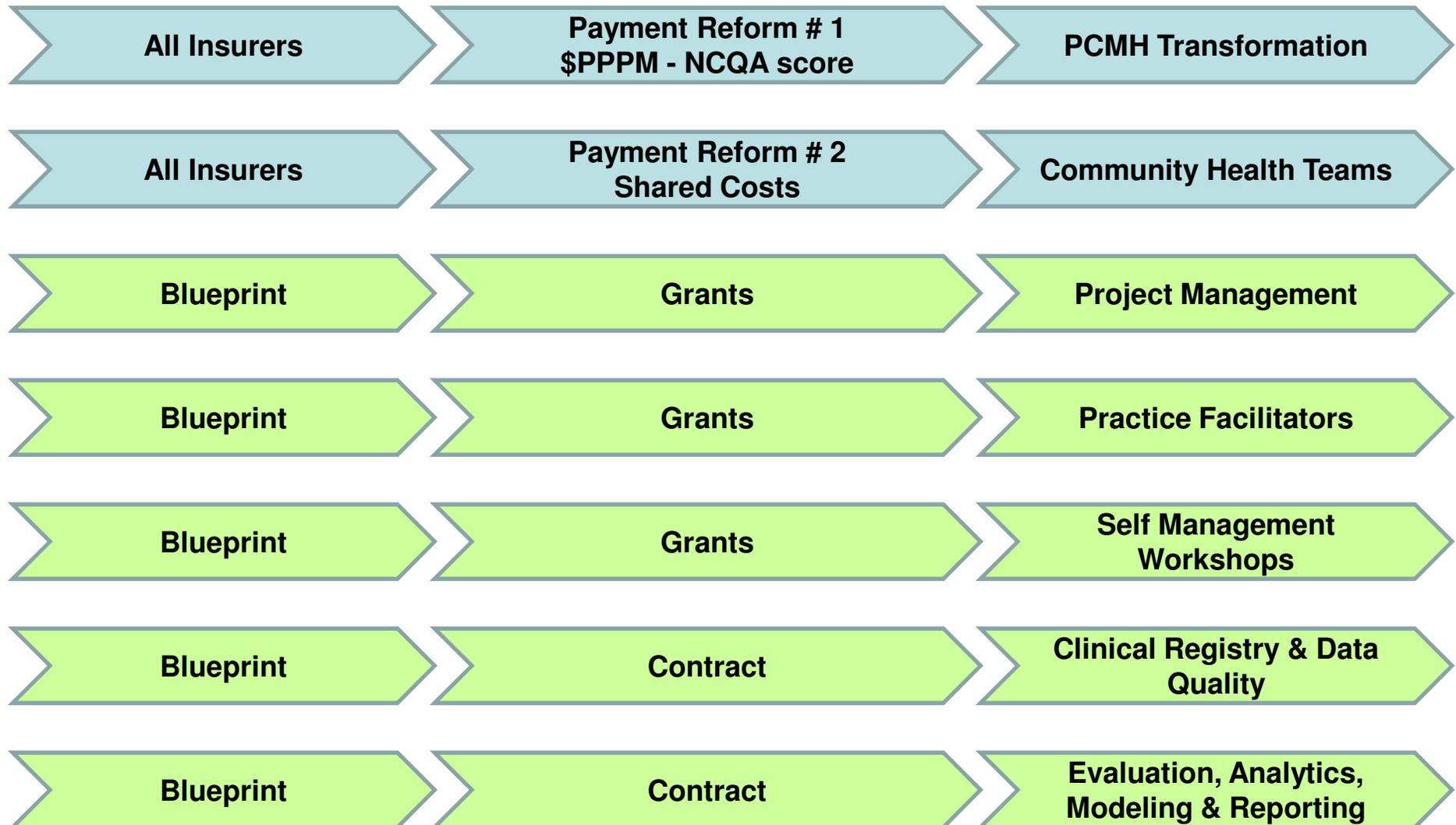
Barre HSA

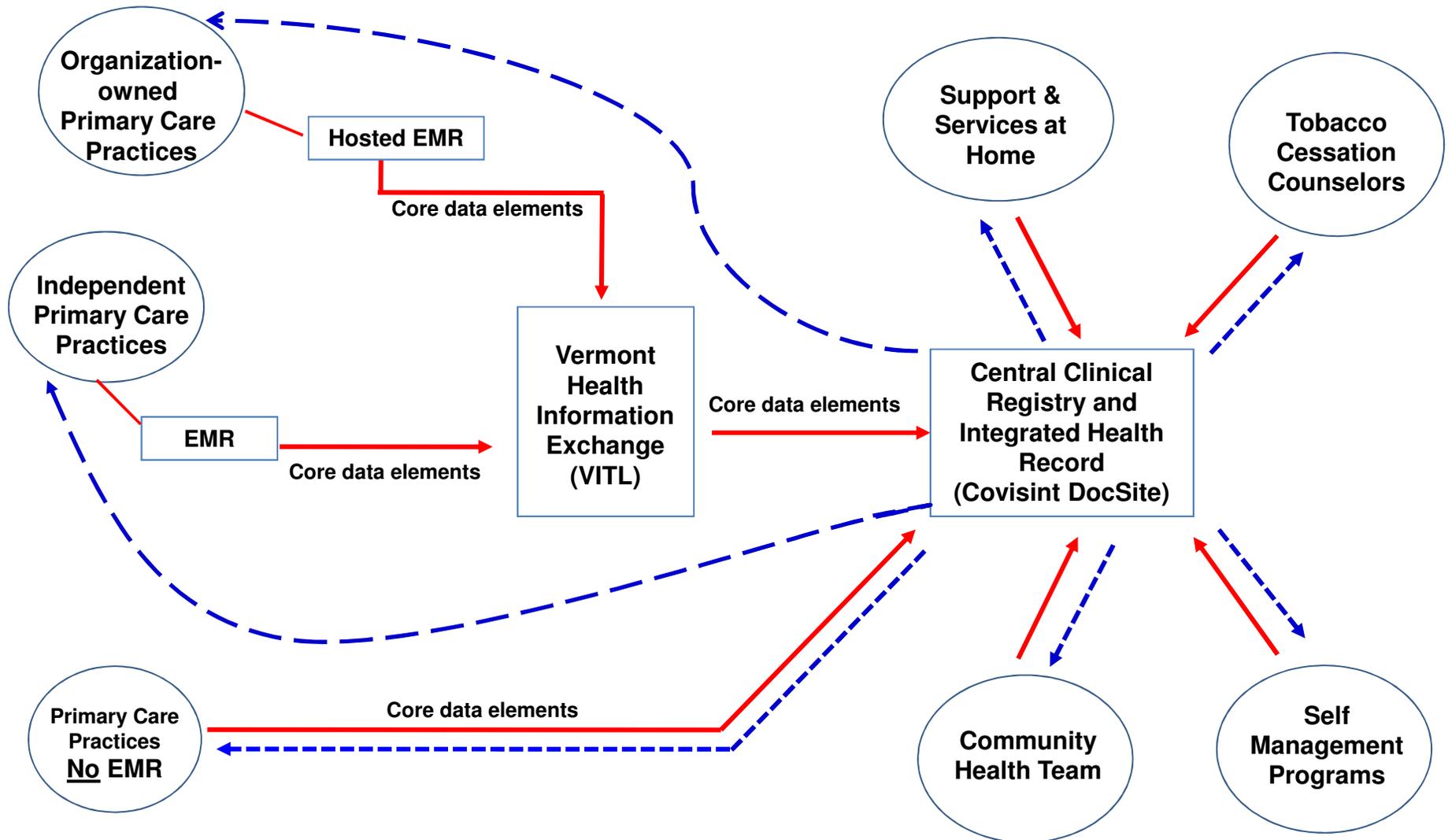
Full Network

Node color indicates sub-network membership

Node size indicates Betweenness Centrality



Financial Support**Mechanism****Product**



Blueprint Data Quality Sprints - *Key Issues*

- ❑ Accurate & Updated Provider Information
- ❑ Accurate Provider-Patient (panel) assignments
- ❑ Accurate Classification of 'Active' & 'Inactive Patients'
- ❑ Accurate Identification of Deceased Patients
- ❑ Reliable Identify Management & Ability to Merge Records
- ❑ Updates to EHR templates to improve data capture
- ❑ 2/5/2011 Translations to normalize data that is tracked inconsistently

Quality Data Leads to Quality Improvement Clinical Registry

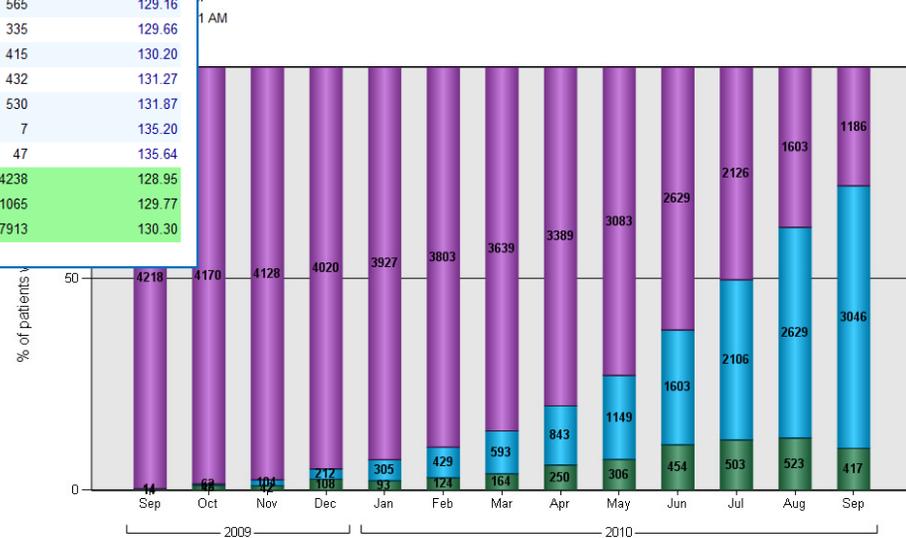
Last Measure Result Averages by Provider

Report Run Date: 10/8/2010 11:14:08 AM
 Report Current As Of: 10/4/2010 12:56:10 AM
 Condition: HTN
 Measure: Blood Pressure-SBP
 Denominator: Patients with at least one Blood Pressure-SBP measure
 Site:
 Patient Status: Active

Provider Name	% Patients At Goal	# of Patients	Average
Axxxx, Exxxx	25.00%	8	121.00
Axxxx, Exxxx	47.59%	601	125.90
Lxxxx, Nxxxx	42.86%	413	127.14
Axxxx, Nxxxx	46.77%	372	127.32
Exxxx, Lxxxx	48.93%	513	127.81
Exxxx, Axxxx	42.48%	565	129.16
Exxxx, Exxxx	39.10%	335	129.66
Oxxxx, Yxxxx	37.35%	415	130.20
Axxxx, Axxxx	33.80%	432	131.27
Ixxxx, Dxxxx	41.70%	530	131.87
Axxxx, Exxxx	14.29%	7	135.20
Ixxxx, Lxxxx	36.17%	47	135.64
FAHC - Aesculapius Medical Center	42.50%	4238	128.95
FAHC	40.58%	11065	129.77
Vermont	43.07%	27913	130.30

Percent of Patients with a Measure Result by Month Over the Last 12 Months

Measure: Body Mass Index; patients aged 20 and older
 Site



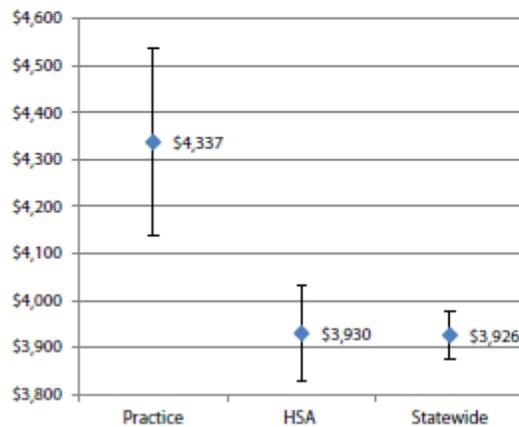
Quality Data Leads to Quality Improvement

All-payer Claims Database

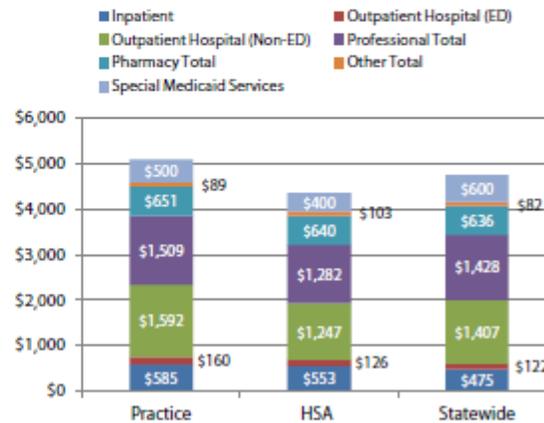
Practice Profile: Main Street Primary Care

Period: 01/2011 – 12/2011 Practice HSA: Barre Profile Type: Adults (18–64 Years)

Total Expenditures per Capita



Total Expenditures by Major Category



Breast Cancer Screening

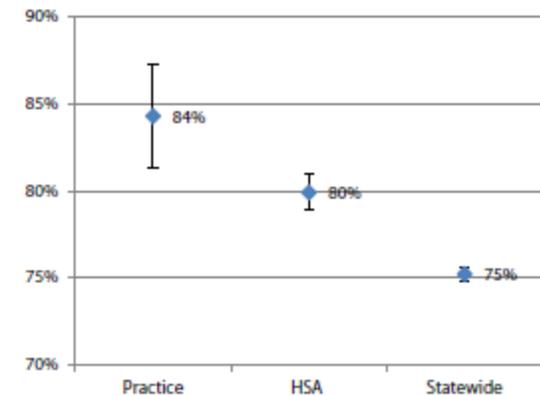


Figure 11: Presents the proportion, including 95% confidence intervals, of continuously enrolled female members, ages 52–64 years, who had a mammogram to screen for breast cancer during the measurement year or year prior to the measurement year.

2012 Study Groups

Study Groups	# People	# Practices
Commercial (Ages 1-17 Years)		
Blueprint 2012	30,632	102
Comparison 2012	22,488	49
Commercial (Ages 18-64 Years)		
Blueprint 2012	138,994	105
Comparison 2012	83,171	67
Medicaid (Ages 1-17 Years)		
Blueprint 2012	32,812	94
Comparison 2012	15,333	41
Medicaid (Ages 18-64 Years)		
Blueprint 2012	38,281	105
Comparison 2012	16,159	54

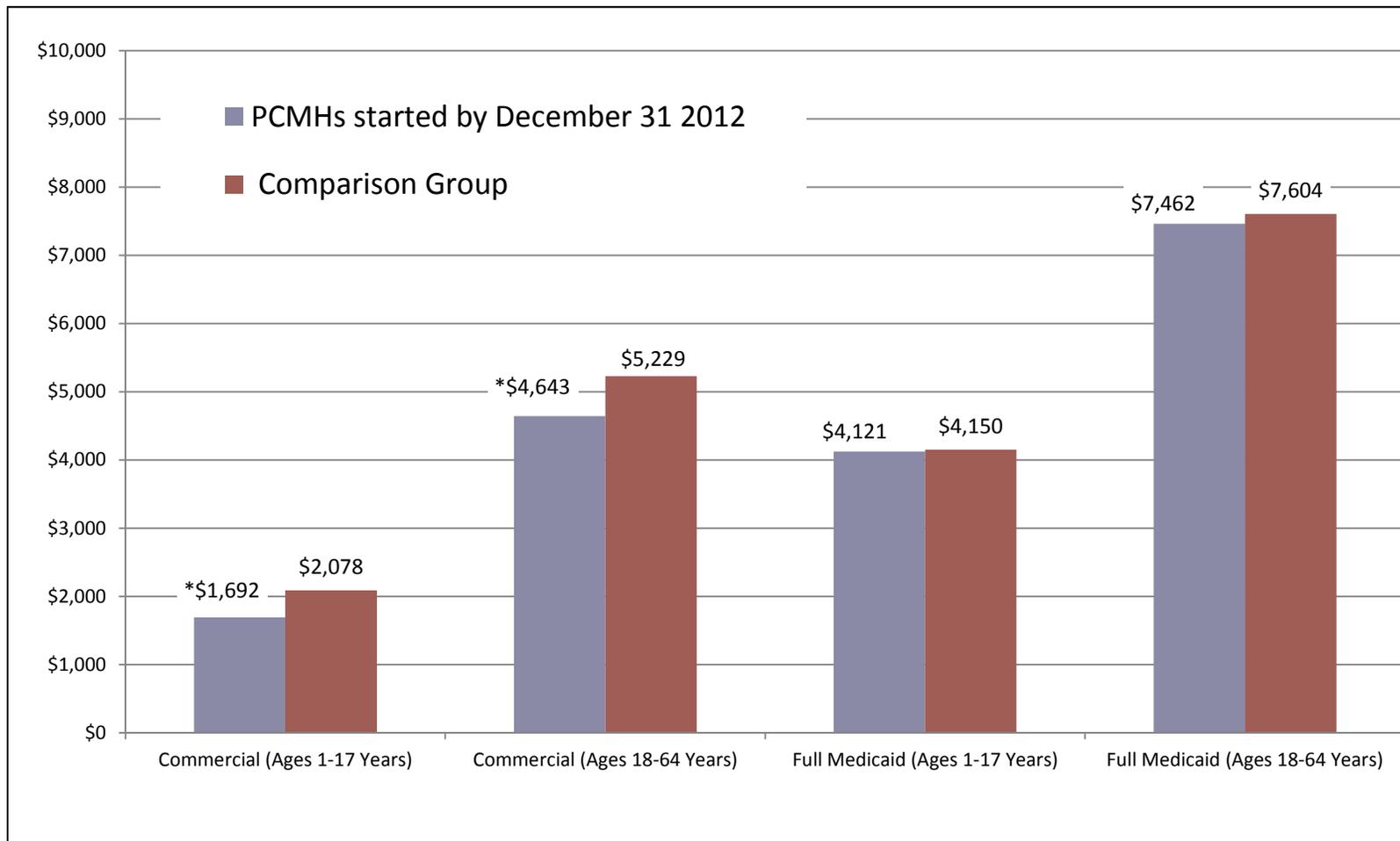
2012 Study Group Characteristics

Age Stratification	Average Age	Male	Healthy CRG*	Acute Illness or Minor Chronic CRG	Chronic CRG	Significant Chronic CRG	Catastrophic or Cancer CRG	Maternity	Blueprint Selected Chronic Conditions
Commercial (Ages 1-17 Years)									
Blueprint PCMHs	9.7	50.4%	80.1%	12.4%	6.6%	0.7%	0.2%	0.4%	11.7%
Comparison Group	9.8	51.8%	80.8%	12.0%	6.2%	0.6%	0.4%	0.3%	10.1%
Commercial (Ages 18-64 Years)									
Blueprint PCMHs	44.2	46.2%	51.5%	22.0%	20.0%	5.9%	0.6%	2.1%	30.4%
Comparison Group	43.3	45.4%	54.4%	21.0%	18.4%	5.3%	1.0%	2.2%	25.7%
Medicaid (Ages 1-17 Years)									
Blueprint PCMHs	8.5	51.1%	72.1%	14.6%	11.5%	1.6%	0.2%	0.7%	24.6%
Comparison Group	8.5	52.8%	72.4%	14.6%	11.1%	1.5%	0.4%	0.7%	21.6%
Medicaid (Ages 18-64 Years)									
Blueprint PCMHs	38.0	42.8%	43.3%	20.2%	26.2%	9.7%	0.7%	4.1%	44.5%
Comparison Group	37.8	42.8%	46.2%	18.8%	25.7%	8.2%	1.2%	4.4%	38.0%

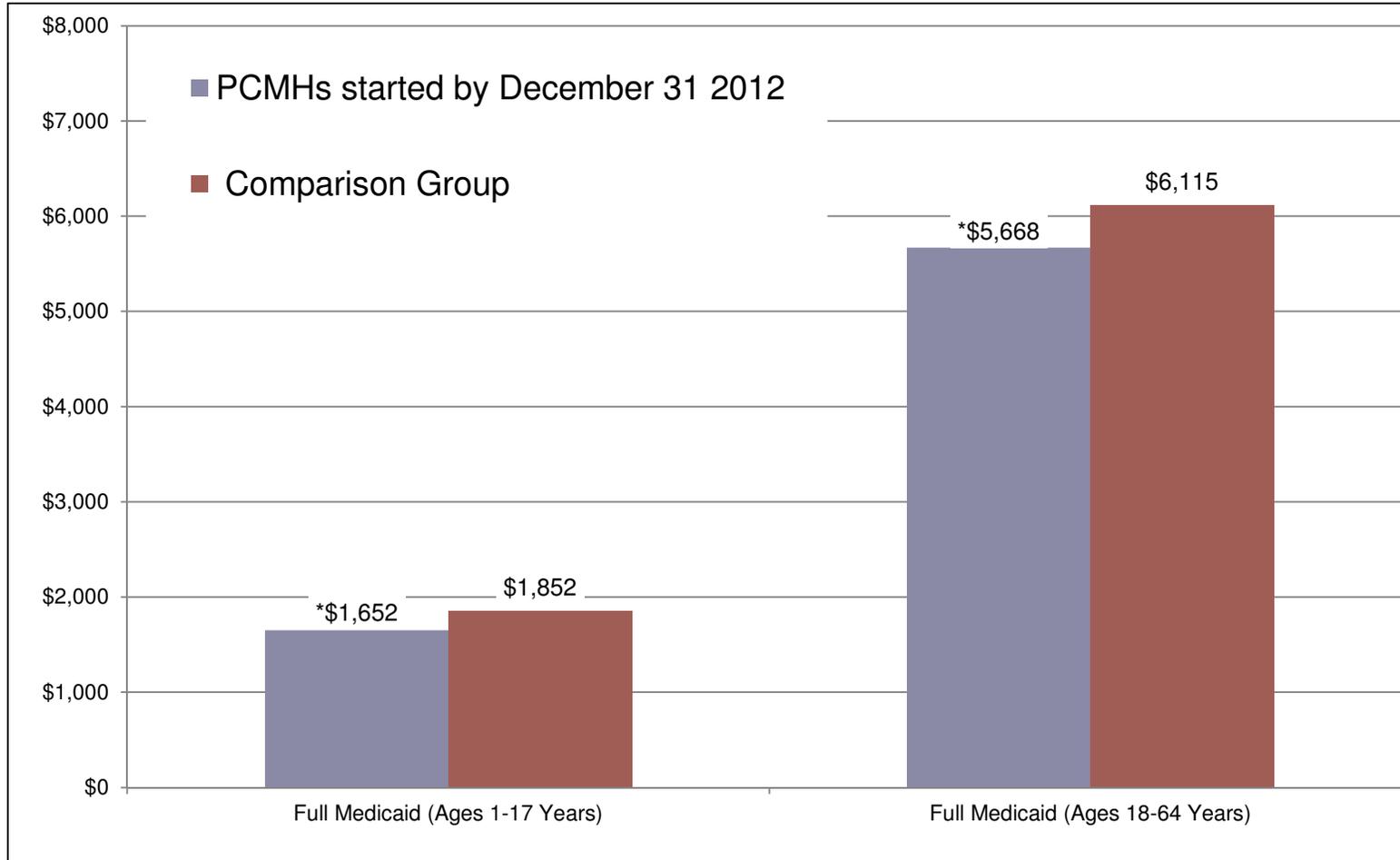
*Clinical Risk Groups (CRGs) are a product of 3M™ Health Information Systems and were applied to the VHCURES claims data to classify each member's health status. For example, members with cancer, diabetes, minor chronic joint pain, or healthy are classified separately for analysis.

**Blueprint Selected Chronic Conditions include: Asthma, Attention Deficit Disorder, Chronic Obstructive Pulmonary Disease, Congestive Heart Failure, Coronary Artery Disease, Diabetes, Depression, Hypertension

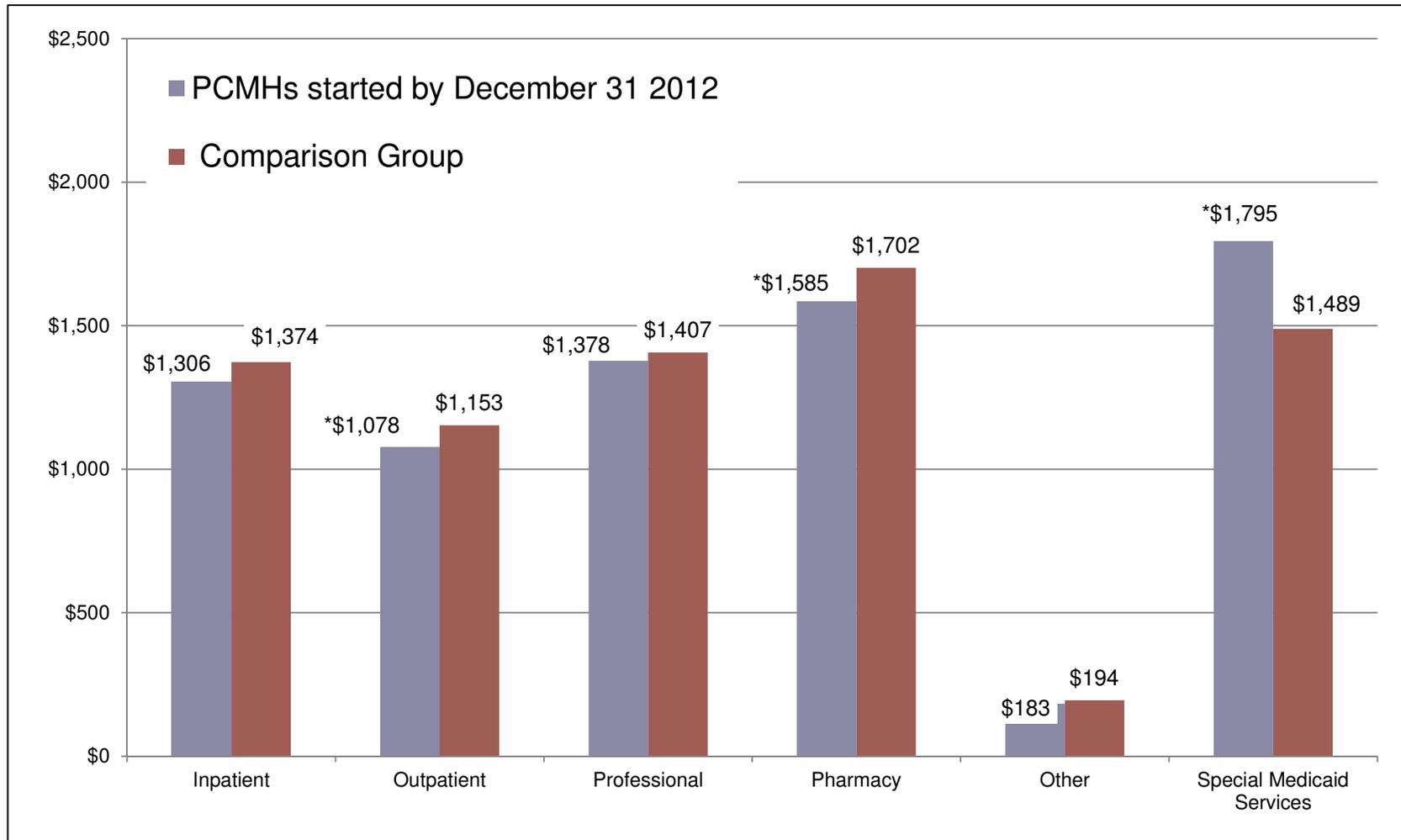
2012 Total Expenditures per Capita



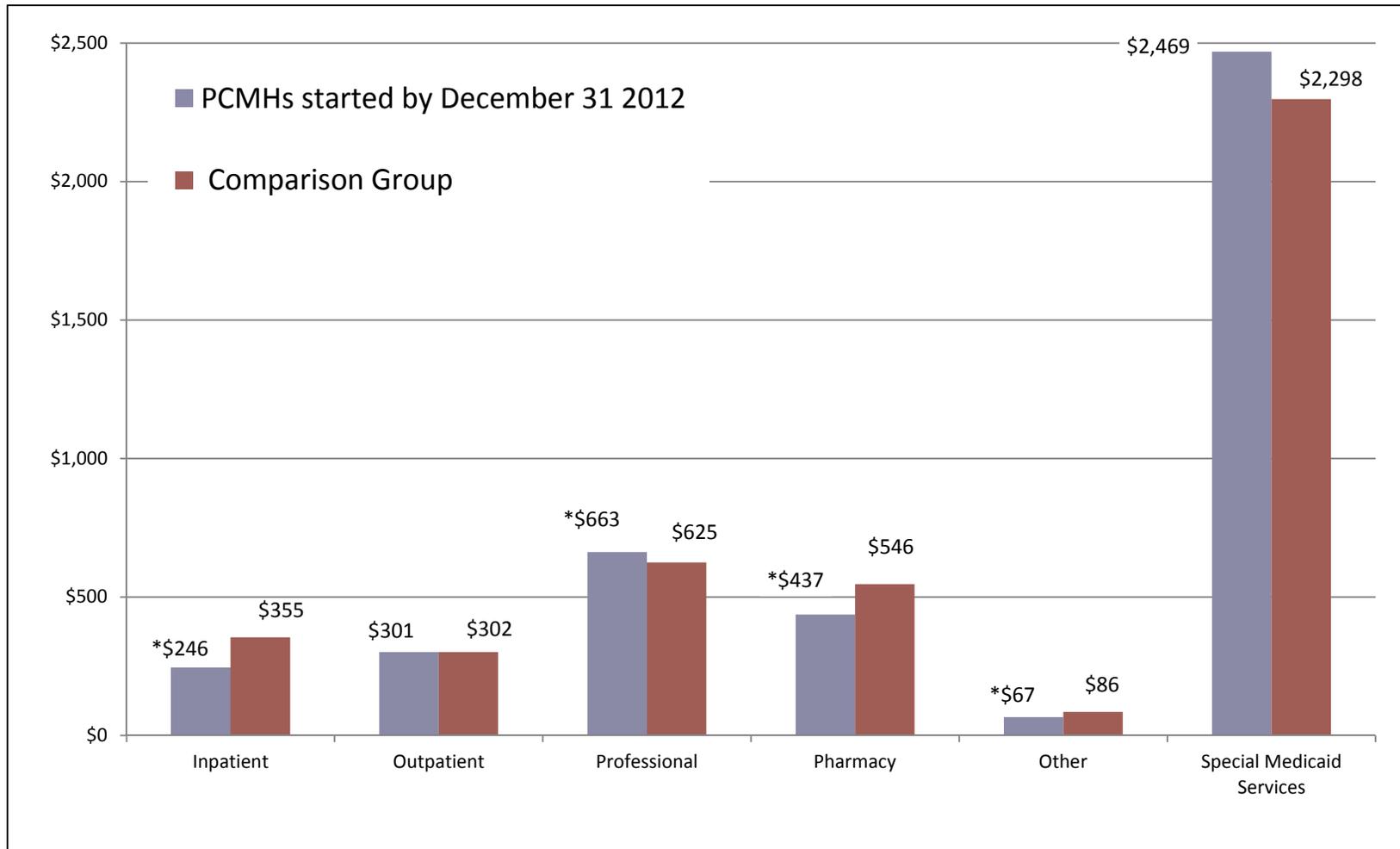
2012 Total Expenditures per Capita (Medicaid minus Special Services)



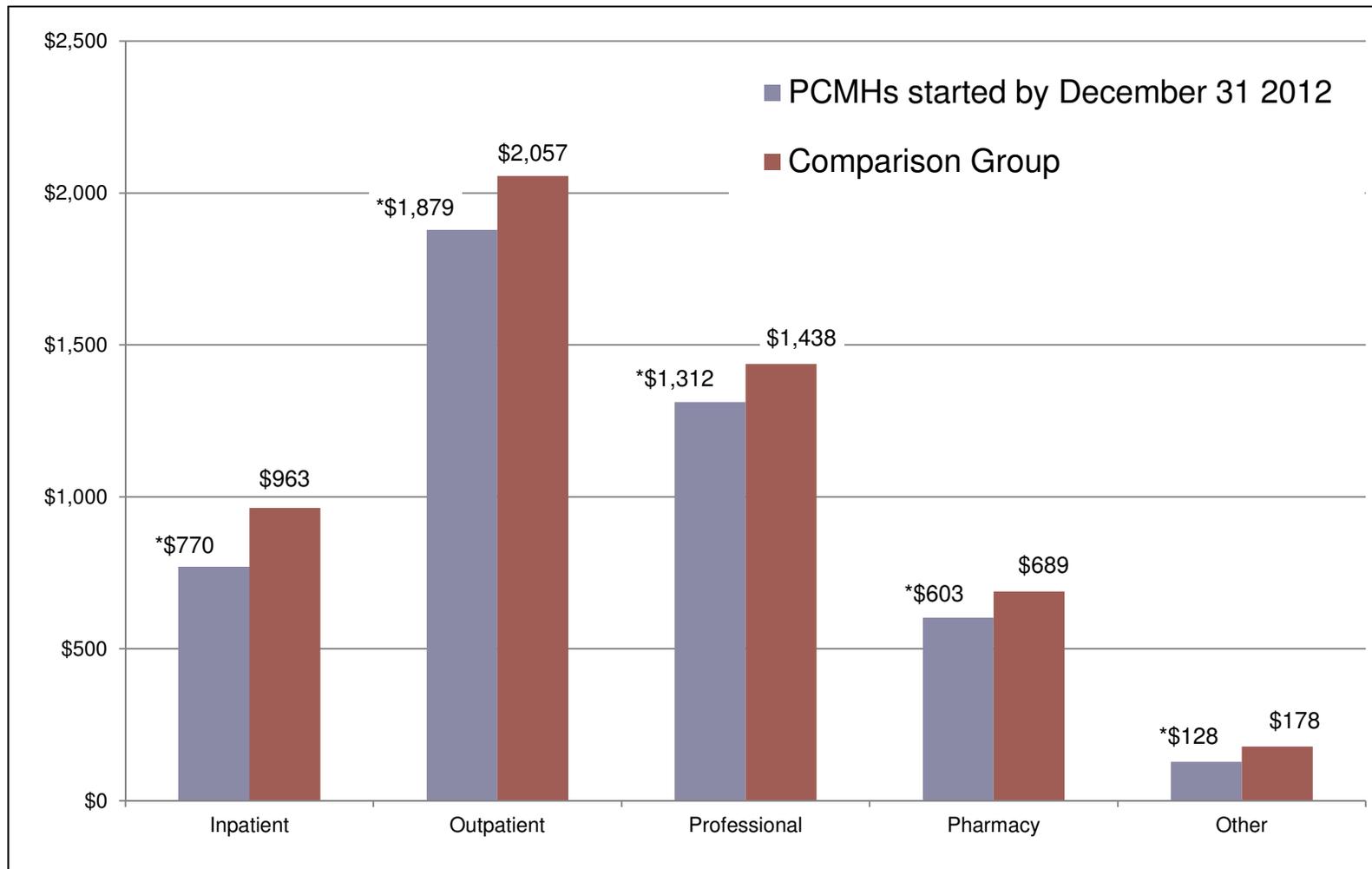
2012 Medicaid Expenditures by Major Category (Ages 18-64)



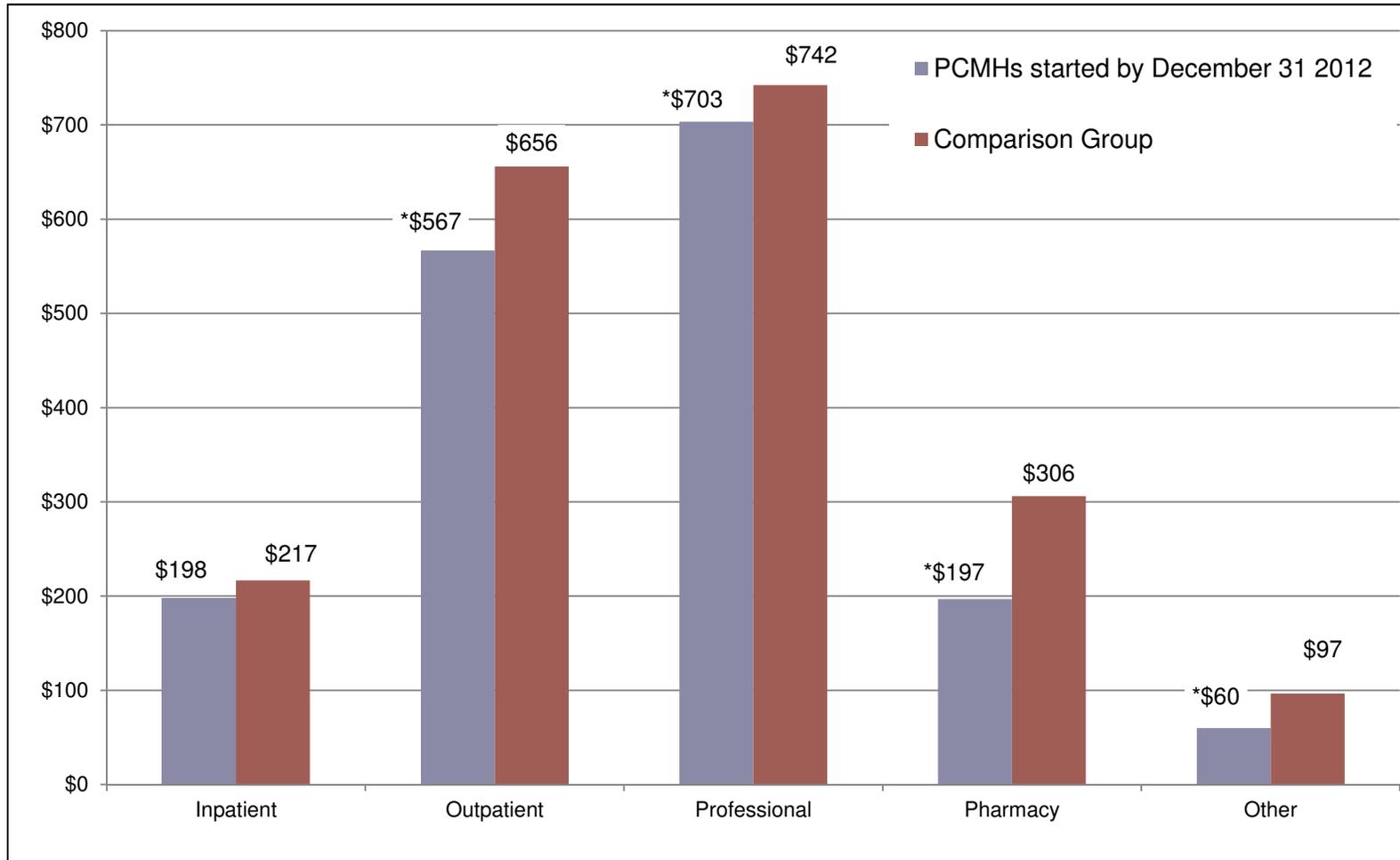
2012 Medicaid Expenditures by Major Category (Ages 1-17)



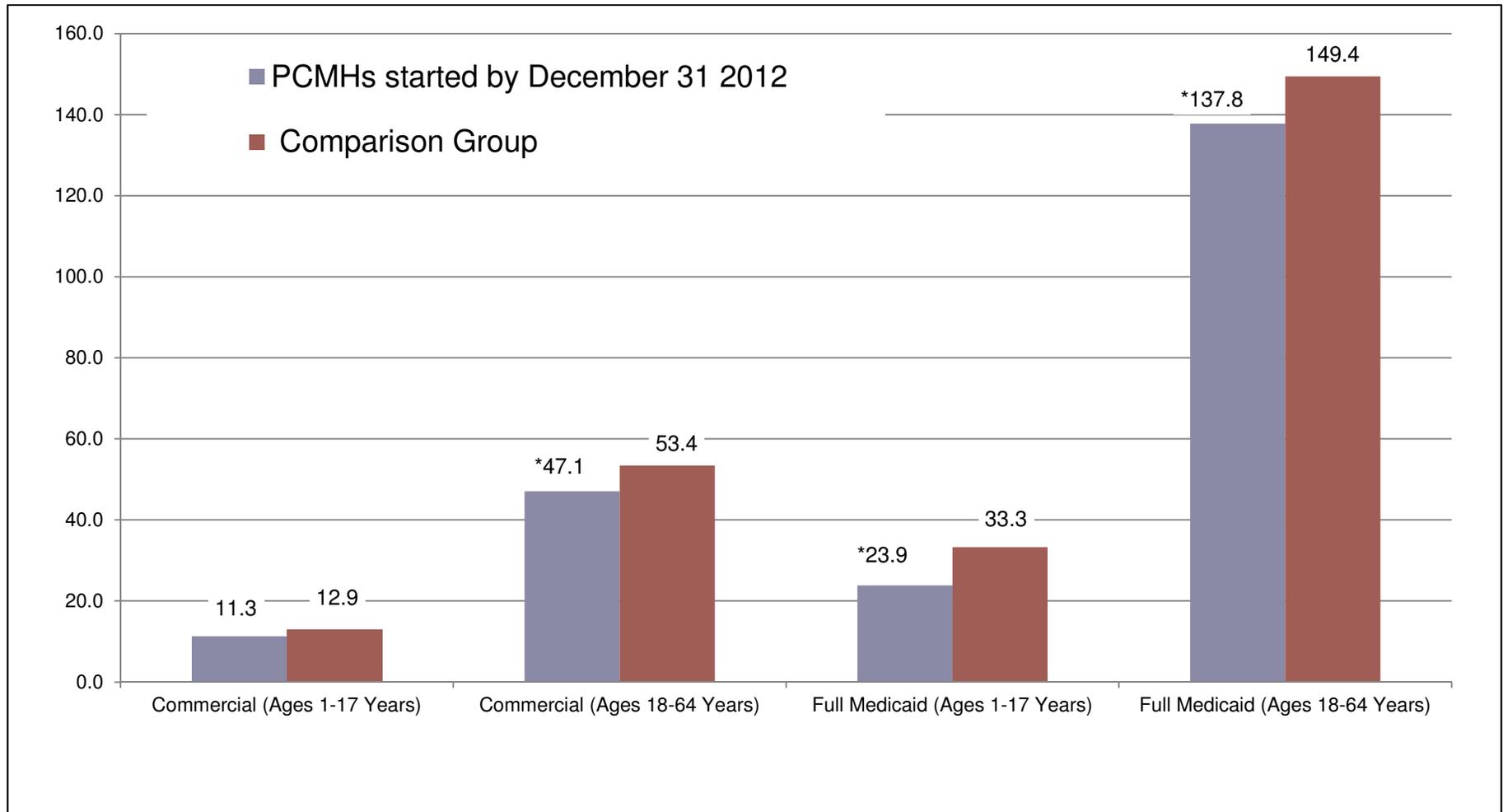
2012 Commercial Expenditures by Major Category (Ages 18-64)



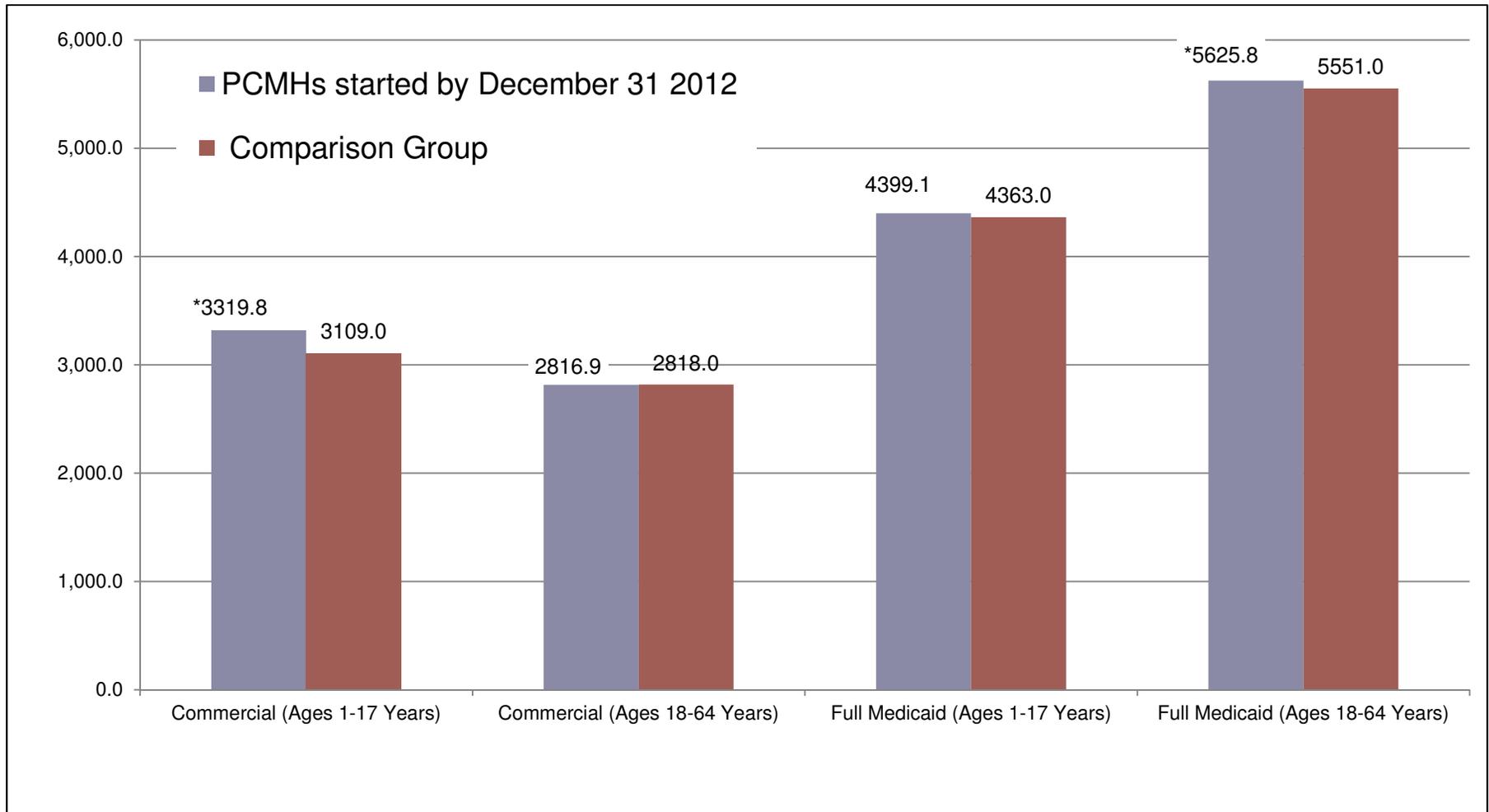
2012 Commercial Expenditures by Major Category (Ages 1-17 Years)



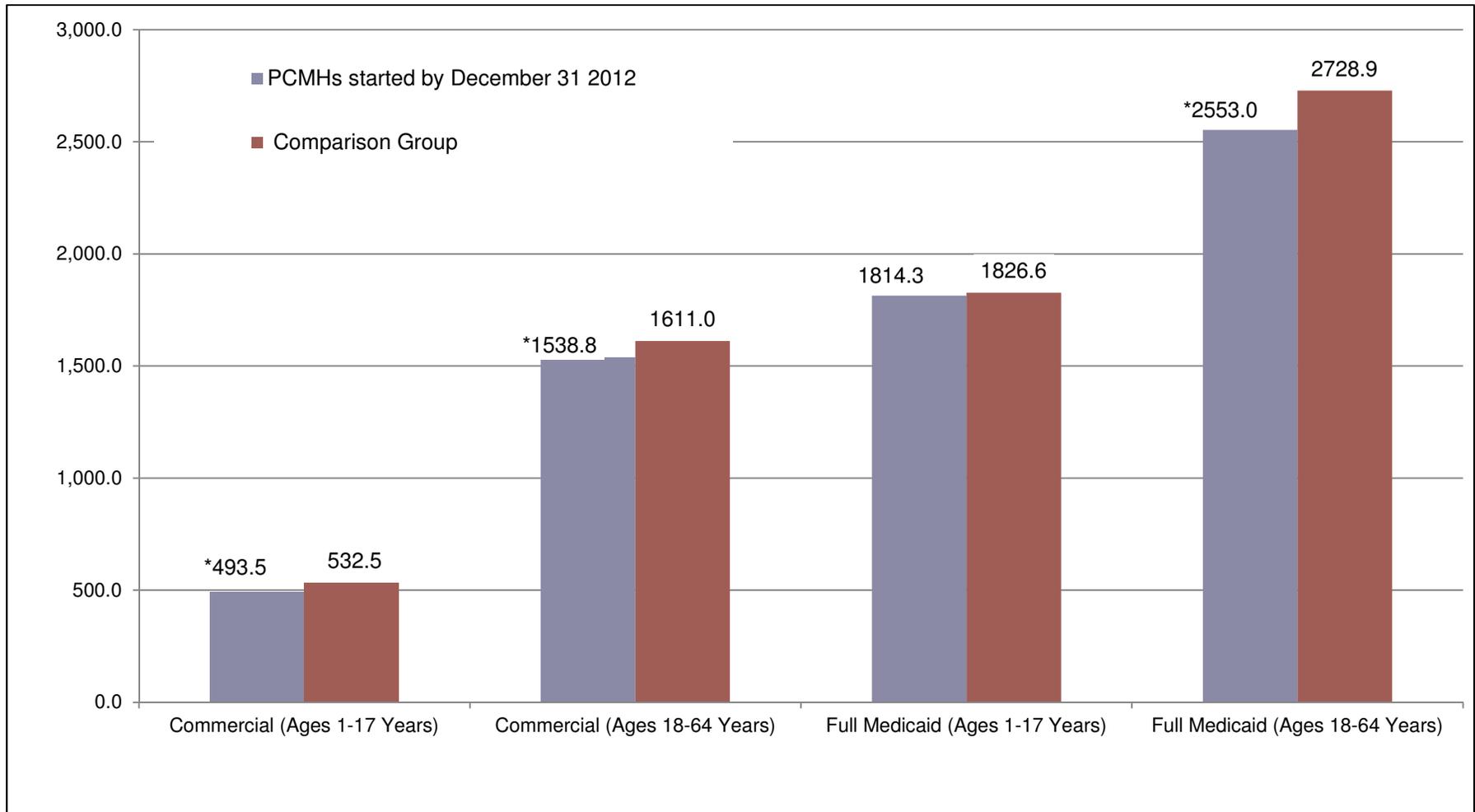
2012 Inpatient Discharges (rate / 1000 beneficiaries)



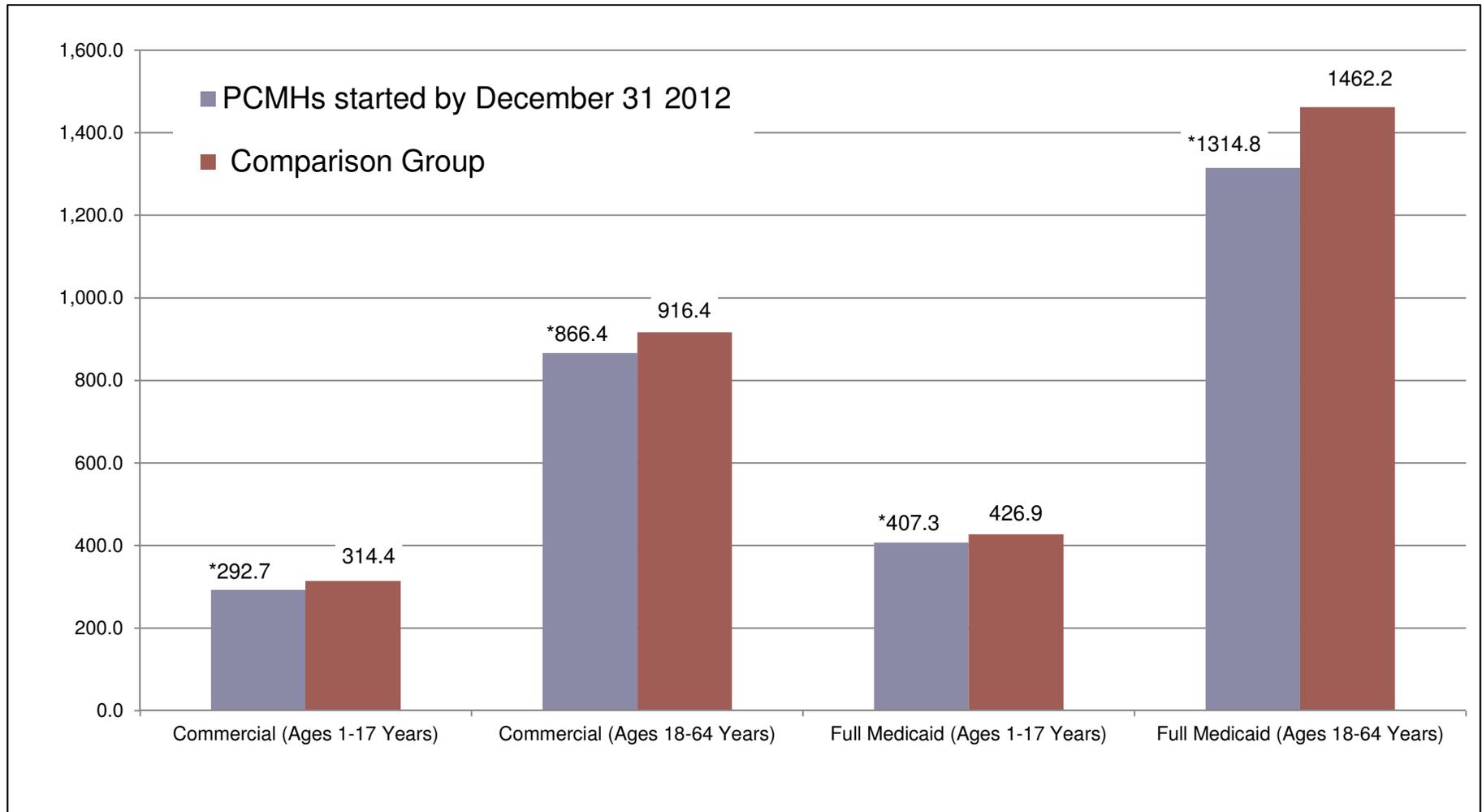
2012 Primary Care Visits (rate / 1000 beneficiaries)



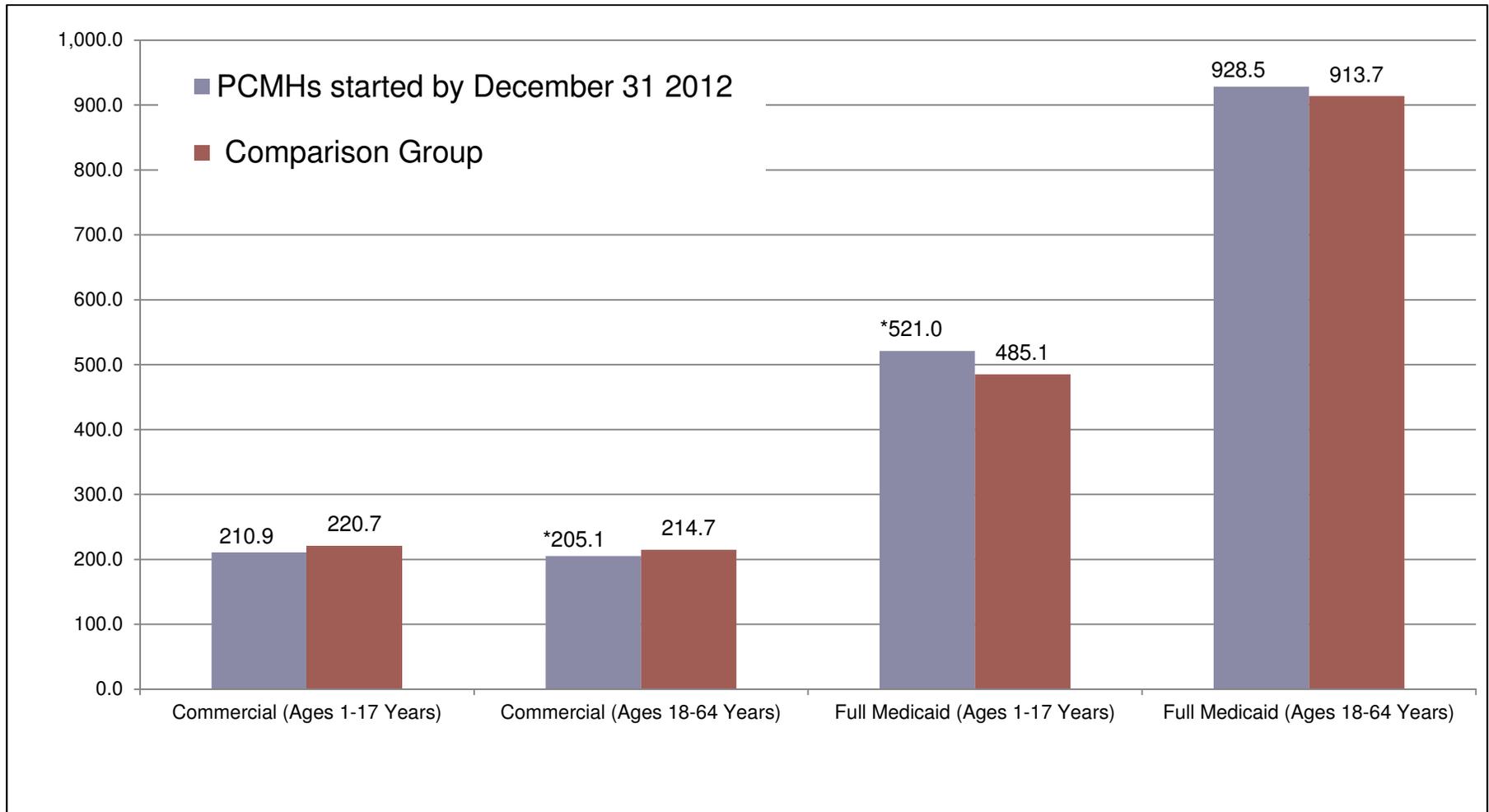
2012 Medical Specialty Visits (rate / 1000 beneficiaries)



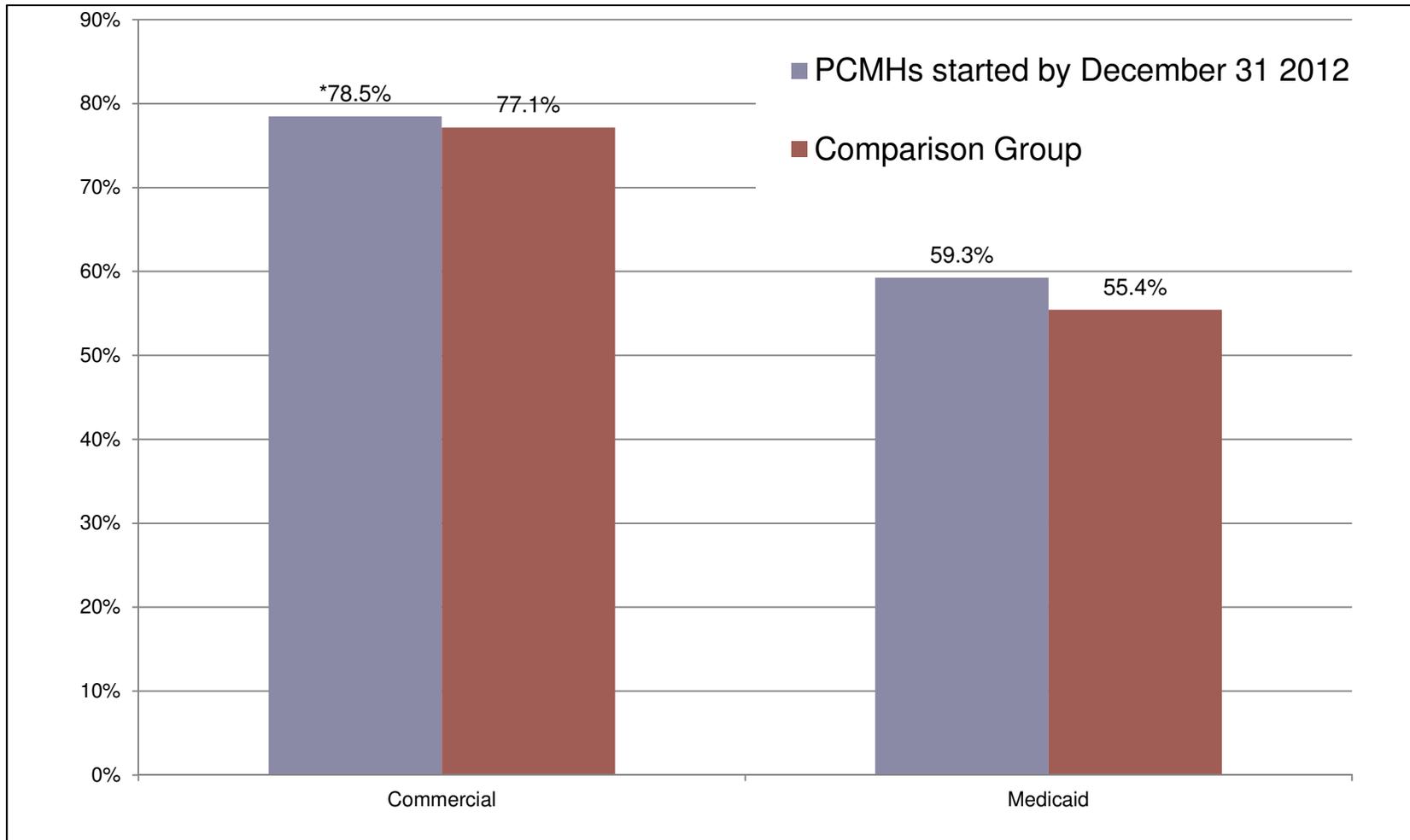
2012 Surgical Specialty Visits (rate / 1000 beneficiaries)



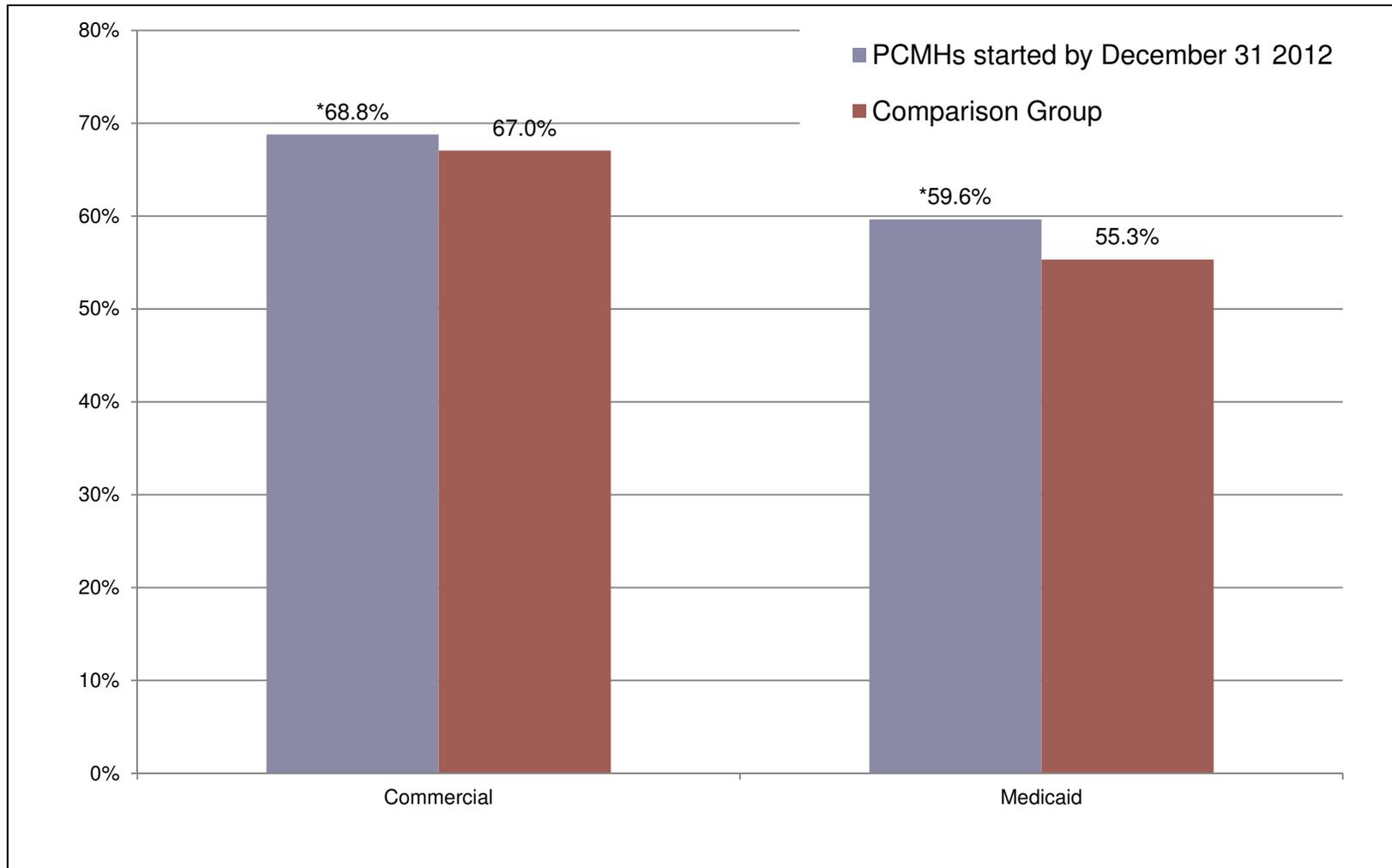
2012 Emergency Department Visits (rate / 1000 beneficiaries)



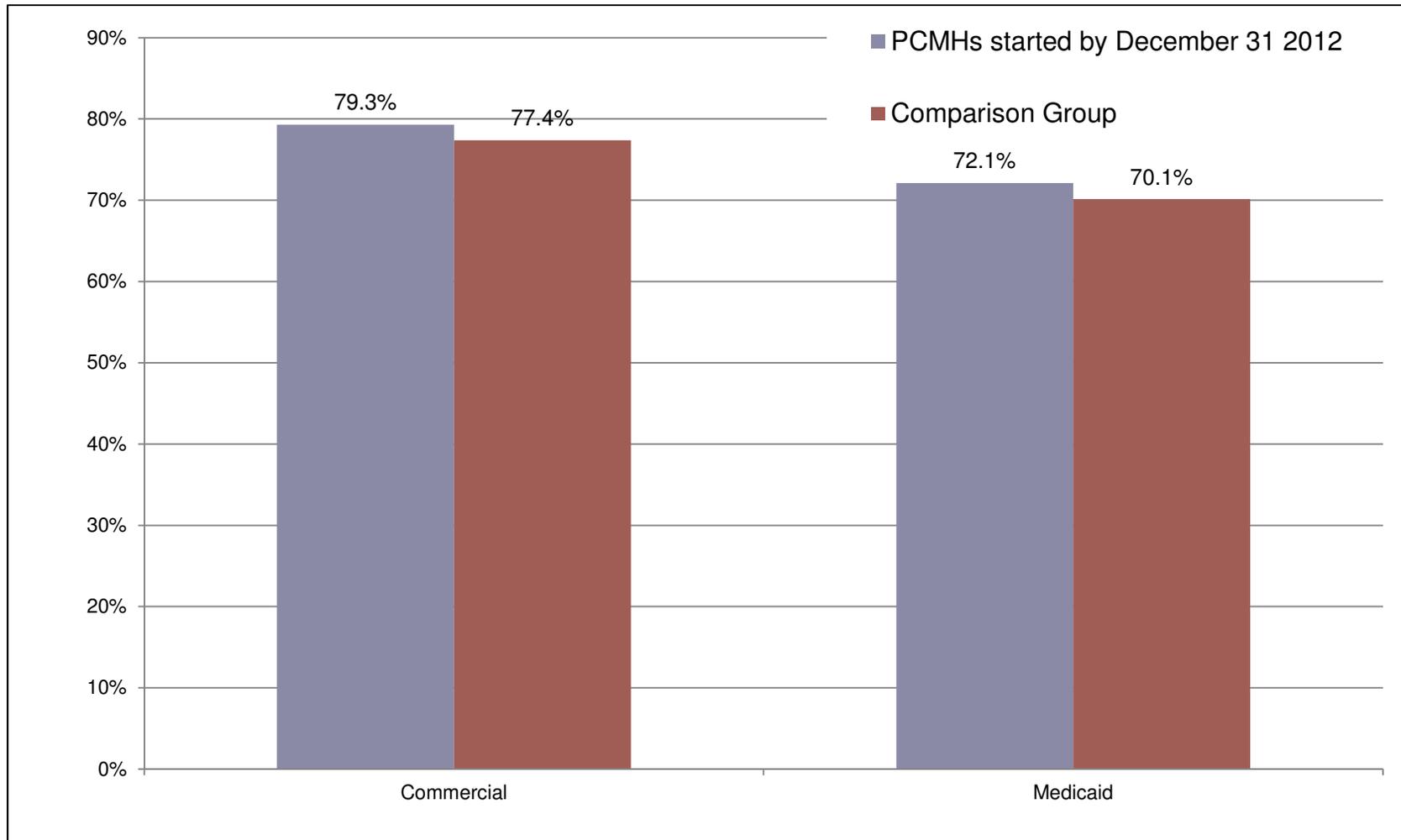
2012 Breast Cancer Screening (HEDIS)



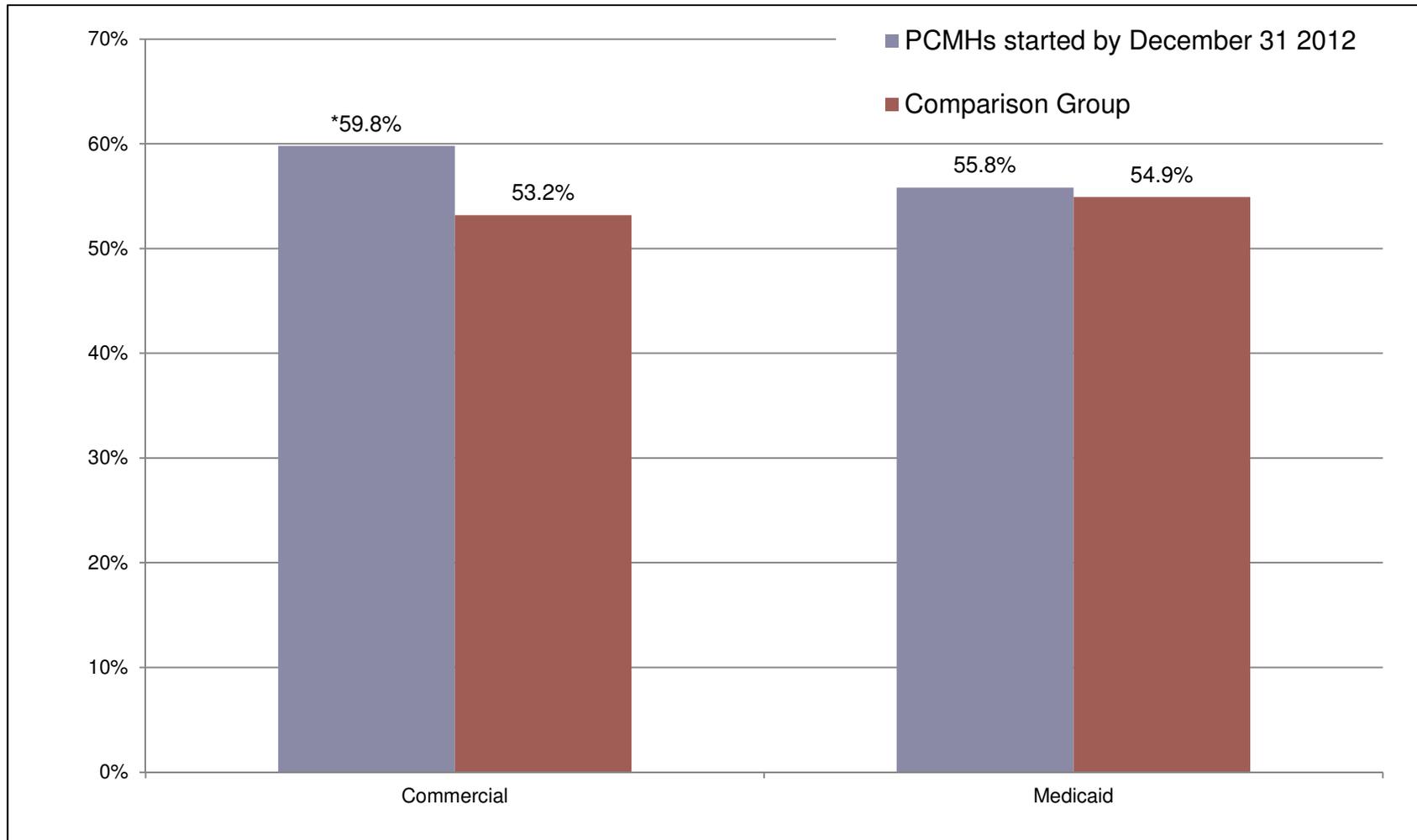
2012 Cervical Cancer Screening (HEDIS)



2012 Well-Child Visits (HEDIS)



2012 Adolescent Well-Care Visits (HEDIS)



Savings Compared to Investment in 2012

Study Groups	# People	Amount Saved Per Person in 2012*	Total Saved in 2012	Total Invested in 2012**	2012 Gain/Cost Ratio***
Commercial (Ages 1-17 Years)					
Blueprint 2012	30,632	\$386	\$11,823,952	Commercial \$5,905,166	15.8
Commercial (Ages 18-64 Years)					
Blueprint 2012	138,994	\$586	\$81,450,484		
Medicaid (Ages 1-17 Years) Excluding SMS					
Blueprint 2012	32,812	\$200	\$6,562,400	Medicaid \$2,883,525	8.2 excludes ****SMS
Medicaid (Ages 18-64 Years) Excluding SMS					
Blueprint 2012	38,281	\$447	\$17,111,607		
Medicaid (Ages 1-17 Years) Including SMS					
Blueprint 2012	32,812	\$29	\$951,548	Medicaid \$2,883,525	2.2 includes SMS
Medicaid (Ages 18-64 Years) Including SMS					
Blueprint 2012	38,281	\$142	\$5,435,902		

*Difference in 2012 total expenditures per person for Participants vs. Comparison Group.

**Includes 2012 totals for Patient Centered Medical Home and Community Health Team payments.

***Calculated as Total Saved divided by Total Invested.

****Special Medicaid Services (SMS) include Transportation, Home and community-based services, Case management, Dental, Residential treatment, Day treatment, Mental health facilities, School-based and Department of Education Services

Summary – Results from 2012 Claims Data

PCMH+CHT patients vs. their respective comparison groups

- Improved healthcare patterns
- Reduced medical expenditures per capita
- Linking Medicaid population to non-medical support services
- Similar or higher rates of recommended assessments

Summary – Program Status in 2013

- PCMHs + CHTs providing health services to the general population
- Additional care support for targeted subpopulations
 - SASH
 - Hub & Spoke
 - VCCI
 - Tobacco Cessation
- Integral part of health and human service networks in each community
- Statewide network of self management support programs
- Network of local, regional, and statewide learning forums
- Multi-dimensional statewide administrative network (extension, QI)
- Comparative evaluation including practice profiles (PCMH>HSA>Statewide)

Summary – Infrastructure for ongoing reform

- Local collaboration, networks, and innovation are fundamental ingredients
- Administrative network can lead advancements at community level
- CHTs & networks are a foundation for introducing new service layers
- Self management networks can be used to address key population issues
- Learning forums can extend and improve local innovations
- Evaluation provides a basis for transparency, improvement, and payment

Summary – Foundation for newer reforms - ACOs

- Local Blueprint leads (administrative, CHTs) work for organizations that are part of ACOs (hospitals, FQHCs)
- PCMHs + CHTs > more complete services for the general population
- ACOs > oriented towards care management for high cost patients
- ACOs can work with local administrative & CHT leaders
 - Plan care support strategies for targeted subpopulations
 - Determine need for additional care support in each HSA
 - Add care support that is needed for targeted subpopulations
 - Provide data & information for targeted subpopulations
- Evaluate additive impact of ACO to PCMH+CHT baseline