

# Maryland Surgical Service Trends

Hospitals and Non-Hospital Surgical Facilities

2008 - 2015



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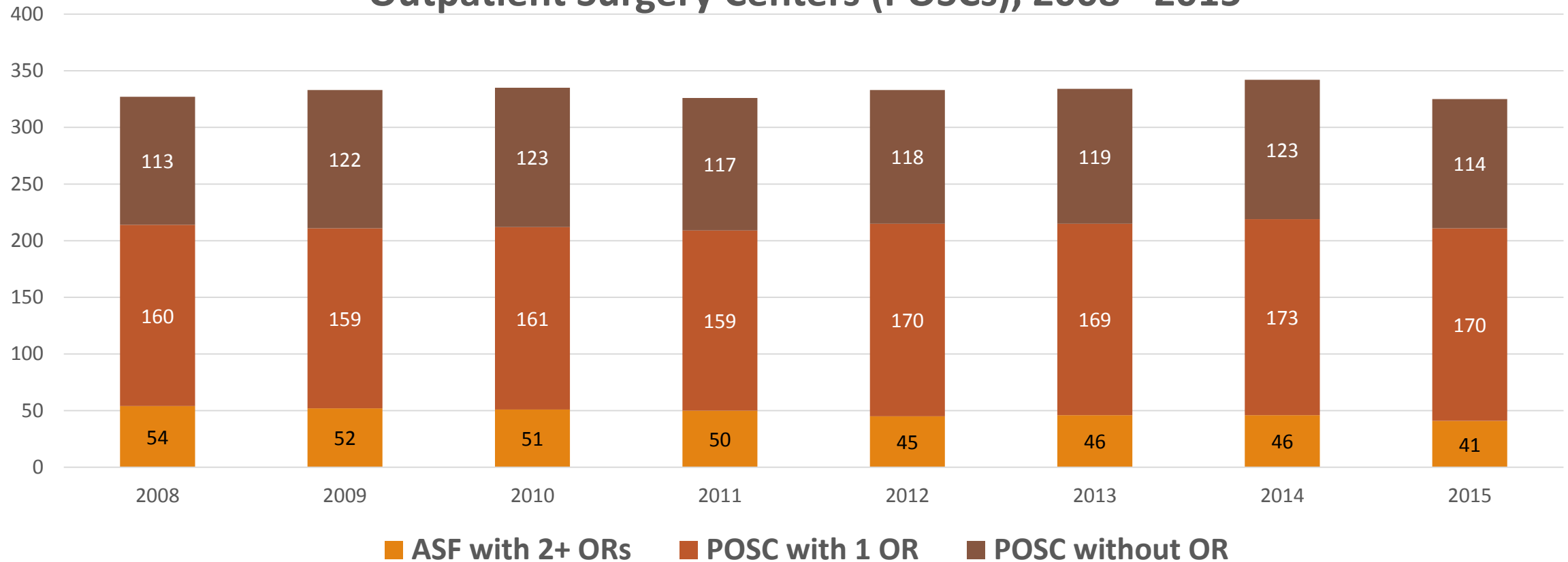
# Data Sources

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- HSCRC Inpatient Files
- HSCRC Outpatient Files
- MHCC Annual Ambulatory Surgery Survey
- MHCC Annual Hospital Supplemental Survey
- U.S. Census Bureau Population Estimates

# Surgical Facilities

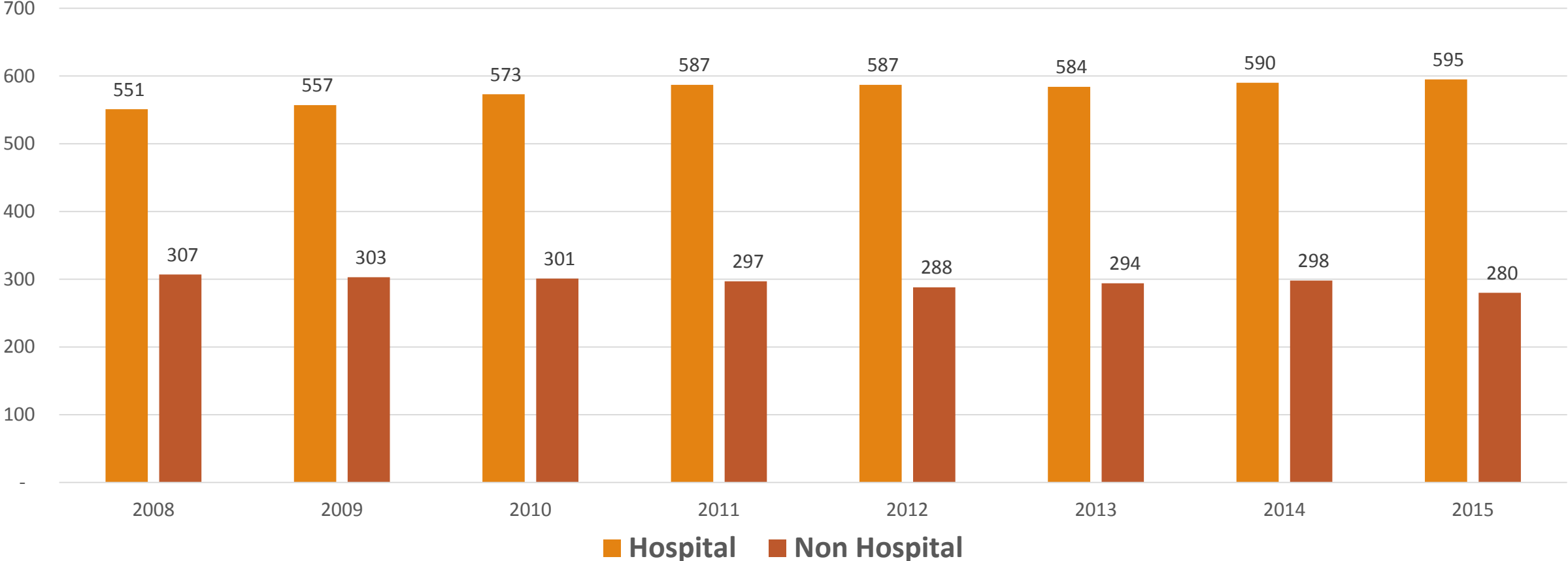
## Number of Ambulatory Surgical Facilities (ASFs) & Physician Outpatient Surgery Centers (POSCs), 2008 - 2015



**46-47 general hospitals providing surgery in Maryland during this time period.**

# Operating Rooms (ORs)

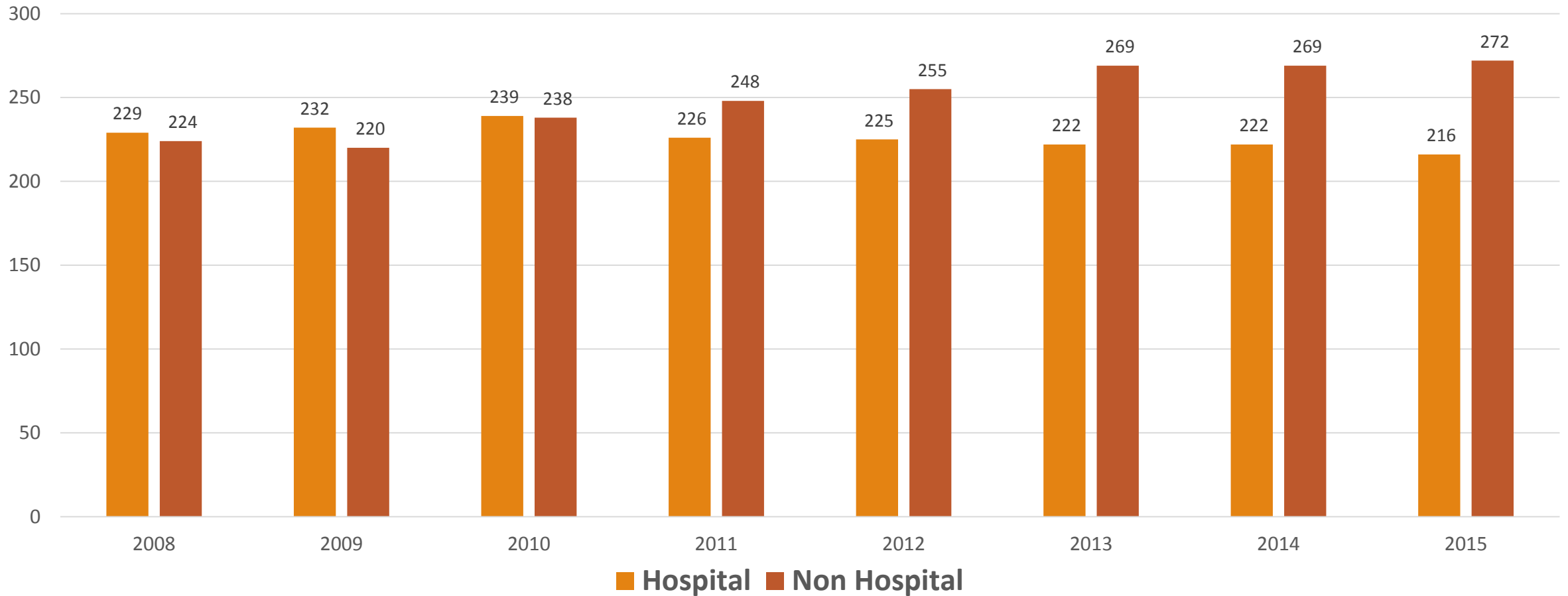
## Operating Rooms: Hospitals & Non-Hospital Facilities 2008 - 2015



**OR supply in hospitals and in non-hospital settings with 2+ ORs is regulated.**

# Procedure Rooms (PRs)

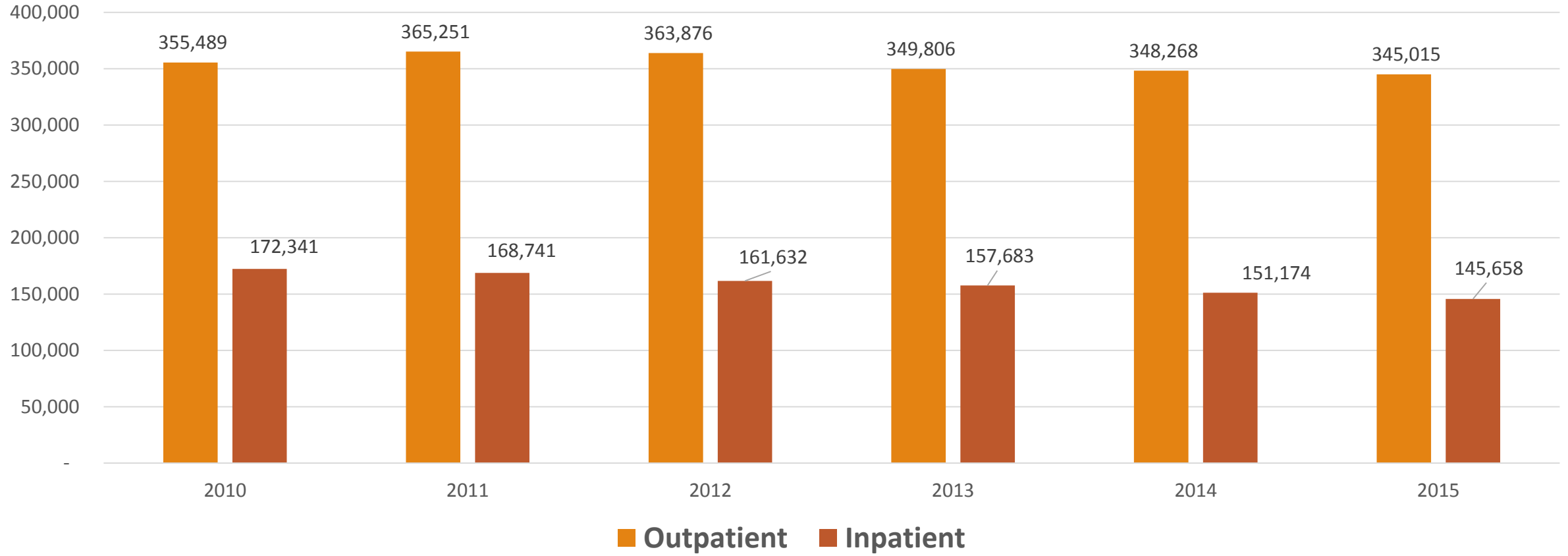
## Non-Sterile Procedure Rooms: Hospitals & Non-Hospital Facilities 2008 - 2015



**MHCC does not regulate the supply of procedure rooms.**

# Case Volume at Hospitals

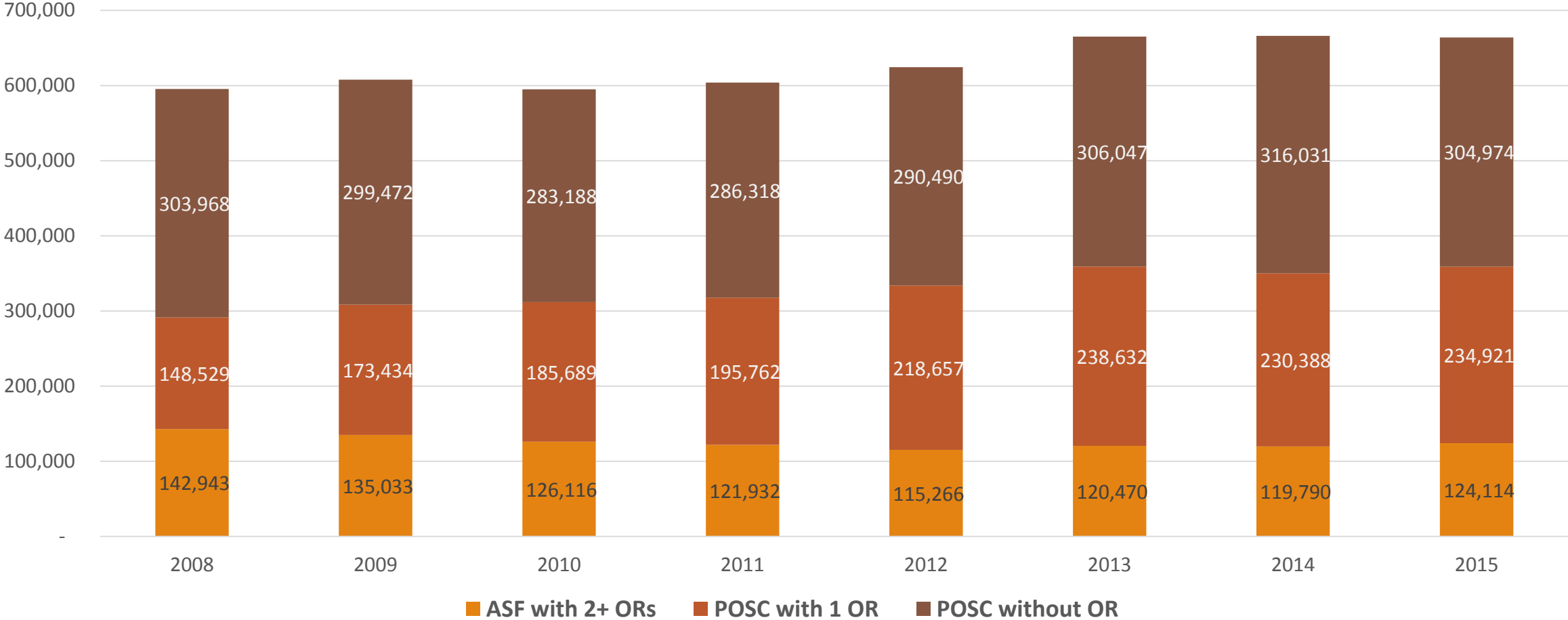
## Surgical Case Volume at Hospitals (includes ORs & PRs) 2010 - 2015



Count of cases with an “operating room” rate center charge.

# Case Volume at Non-Hospital Facilities

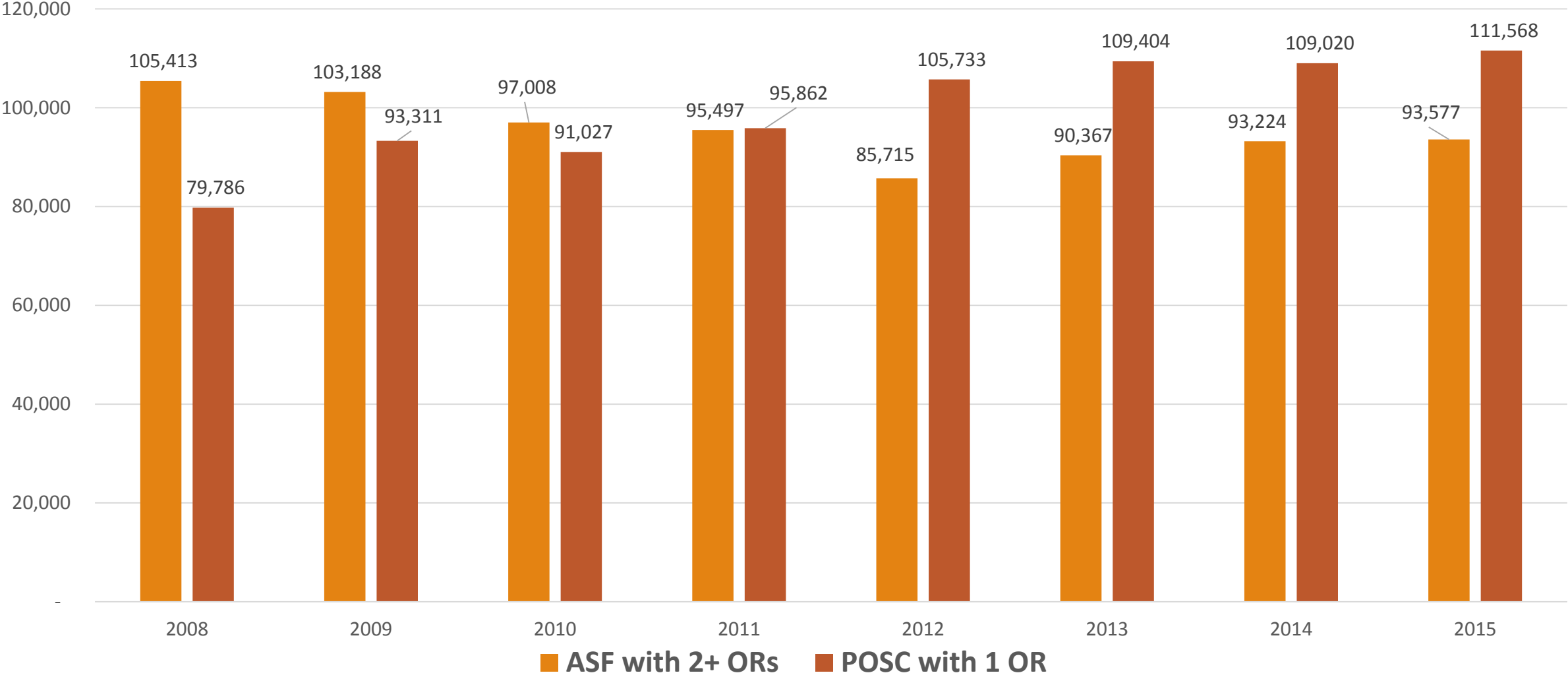
## Surgical Case Volume at Non-Hospital Facilities 2008 - 2015





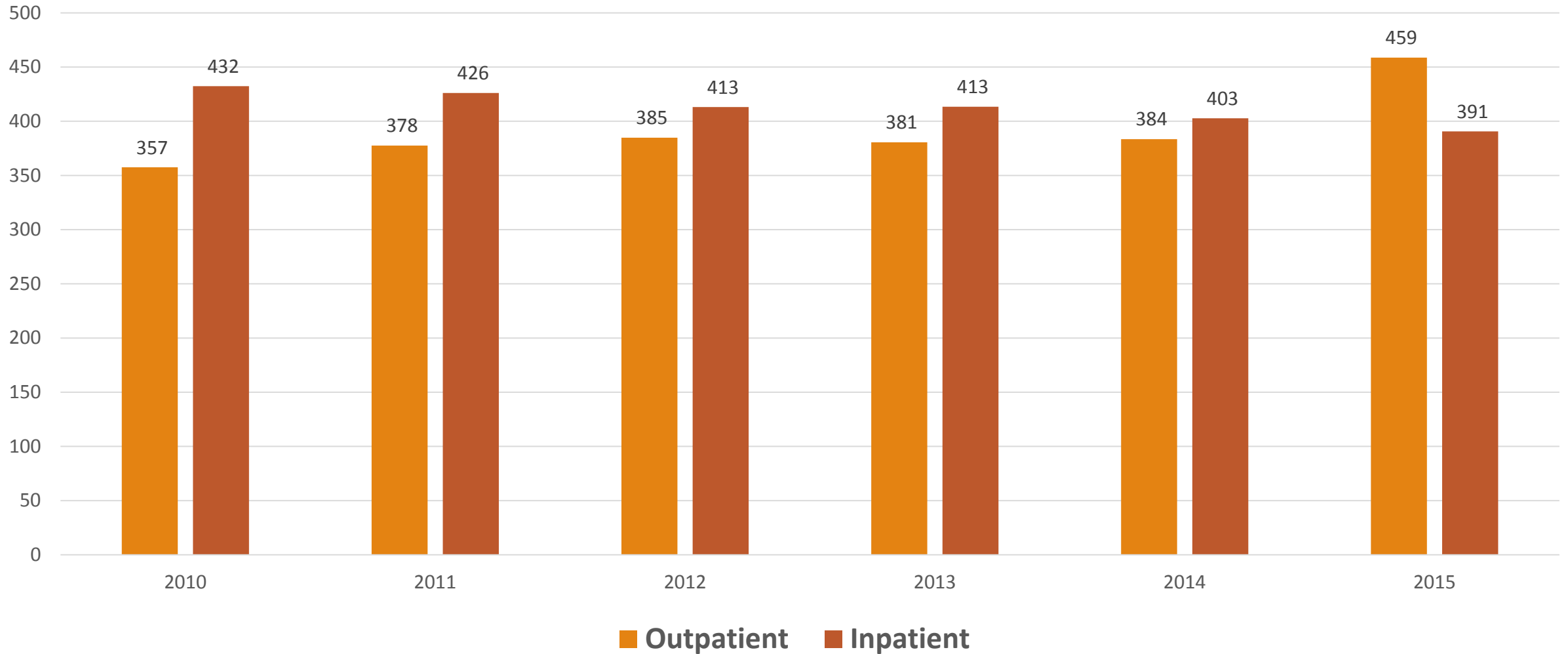
# Operating Room Case Volume at ASFs and POSCs

## Surgical Case Volume at ASFs & POSCs, 2008 - 2015



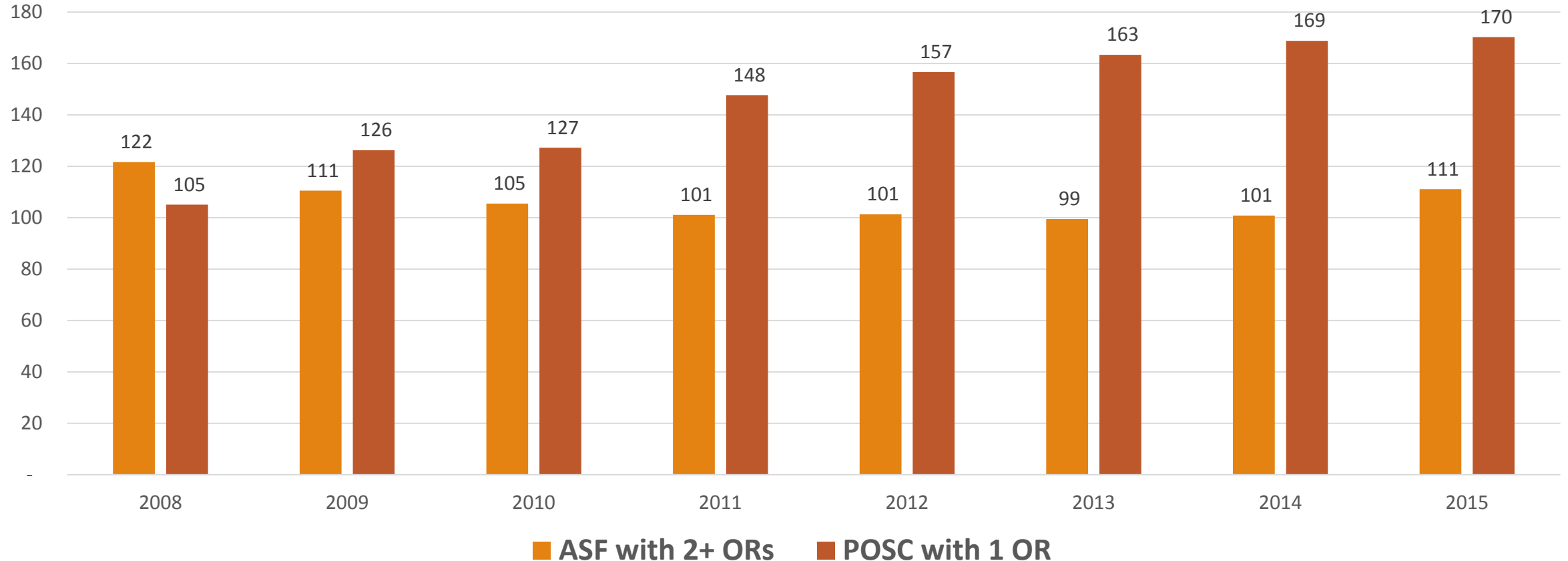
# Total OR/PR Hours at Hospitals

## Surgical Room Hours (000's) at Hospitals, 2010 - 2015



# Total OR/PR Hours at ASFs and POSCs

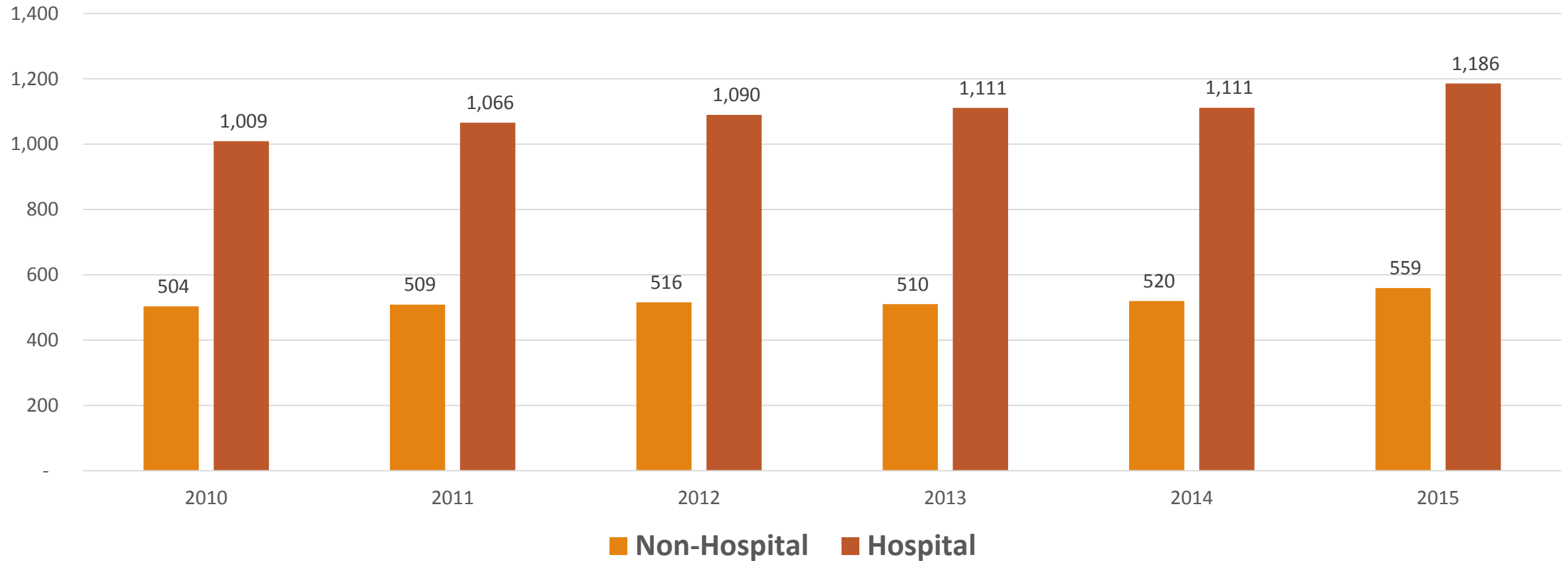
## Surgical Room Hours (000's) at ASF & POSCs, 2008 - 2015



**About 5% of facilities with extreme outlier values excluded.**

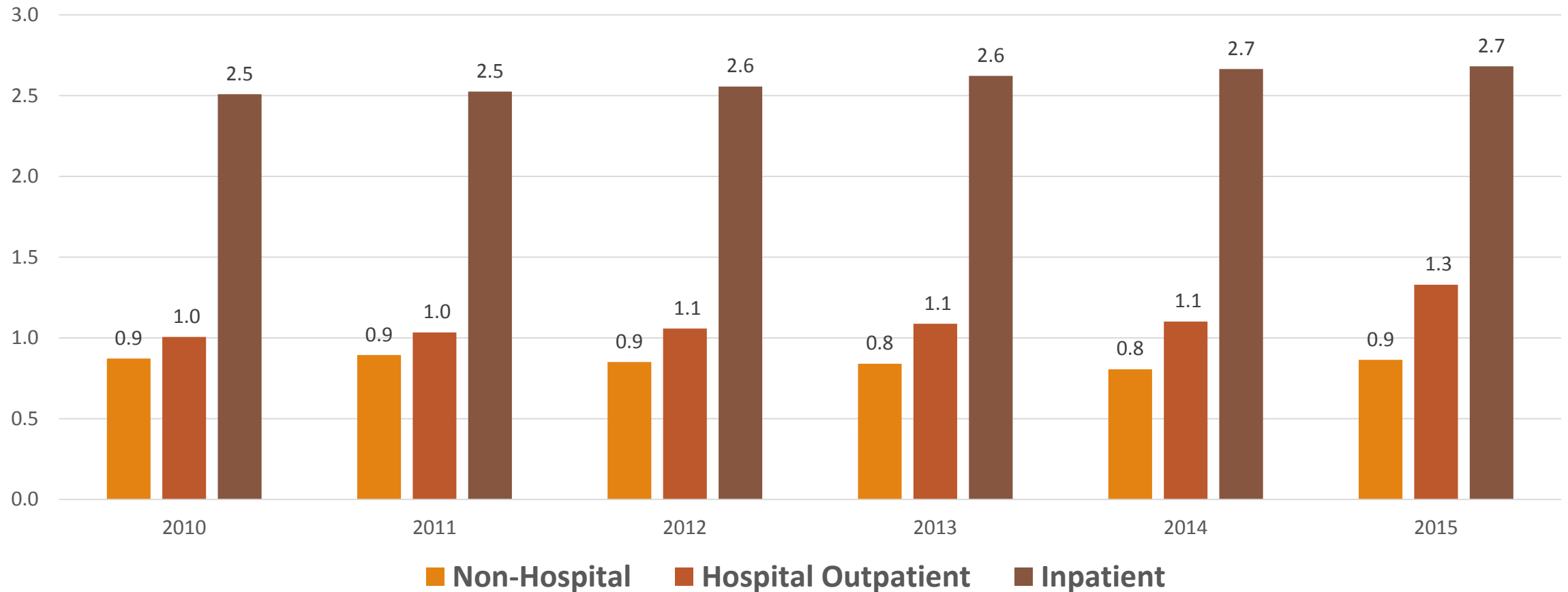
# Average Surgical Hours per Room

Avg. Surgical Hrs. per OR/PR at Hospitals & Non-Hospital Facilities  
2010 - 2015



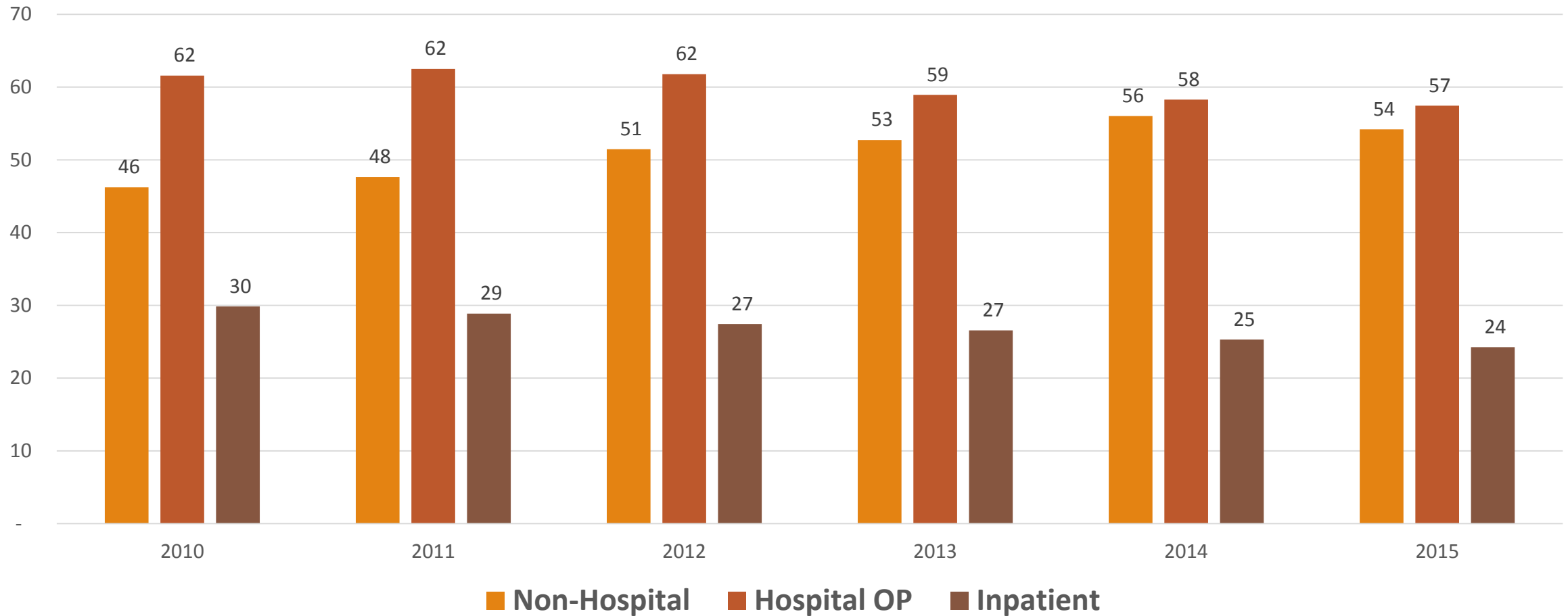
# Average Surgical Hours per Case

Avg. Hrs. per OR/PR Case at Hospitals & Non-Hospital Facilities  
2010 - 2015



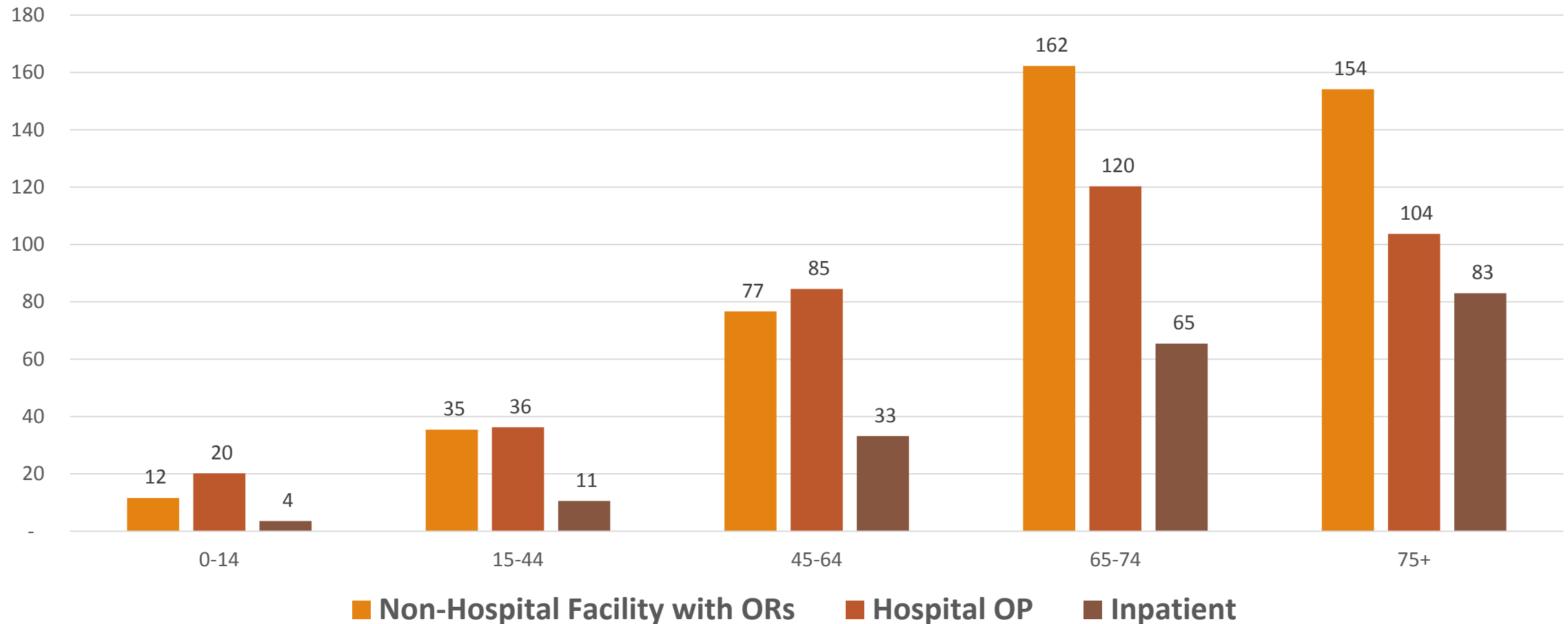
# Surgical Use Rate (includes ORs and PRs)

Use Rate (Cases per 1,000 pop.) at Hospitals and Non-Hospital Facilities  
2010-2015



# Surgical Use Rate by Age (includes ORs and PRs)

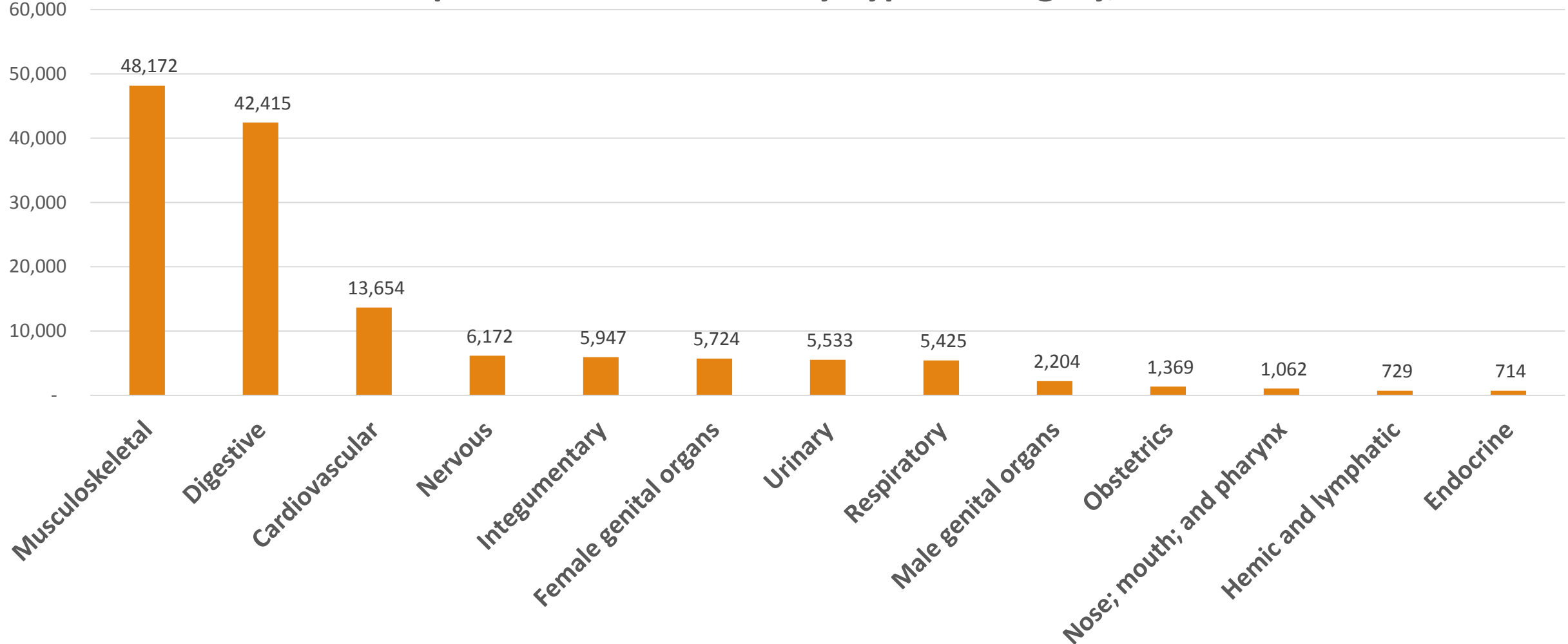
Use Rate (Cases per 1,000 Pop.) by Age Group, CY 2015



**About 43% of non-hospital cases are PR cases; PR proportion of hospital cases unknown.**

# Surgical Case Mix – Inpatient

## Inpatient Case Volume by Type of Surgery, CY 2015

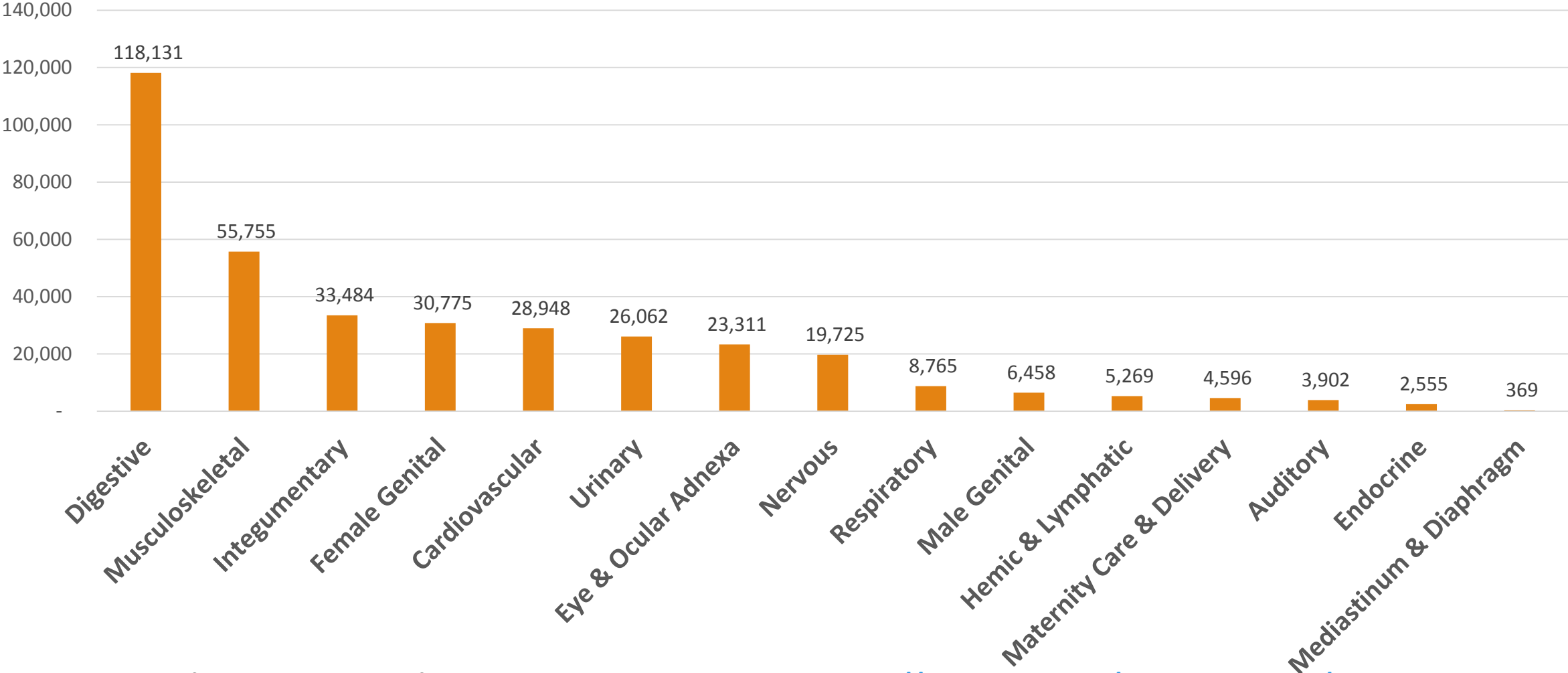


Surgical type for inpatient is defined by HCUP Clinical Classifications Software for ICD 9 and ICD 10 procedure codes.



# Surgical Case Mix – Hospital Outpatient

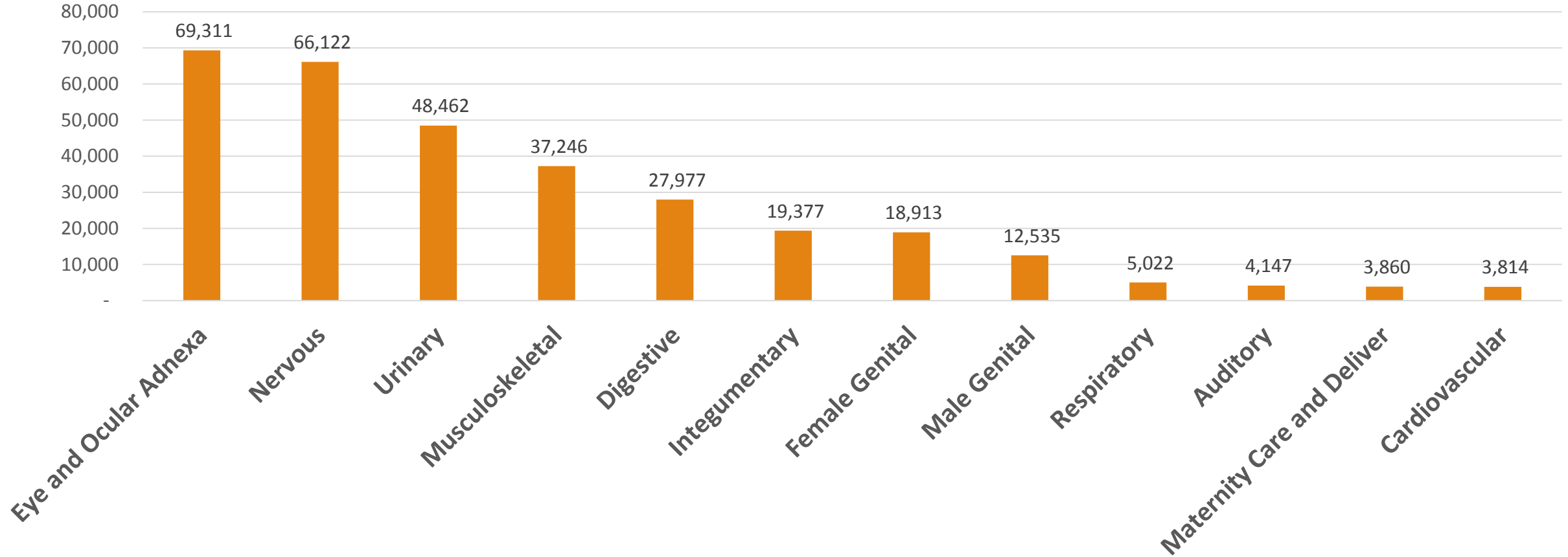
## Hospital Outpatient Case Volume by Type of Surgery, CY 2015



Surgical type for outpatient is defined by AAPC Surgery Code Range: <http://coder.aapc.com/cpt-coders-range/79>

# Surgical Case Mix – Non-Hospital

## Case Volume by Type of Surgery at Non-Hospital Surgical Facilities, CY 2015



Based on reported 30 most frequently occurring principle CPT codes. (Includes facilities with ORs only)

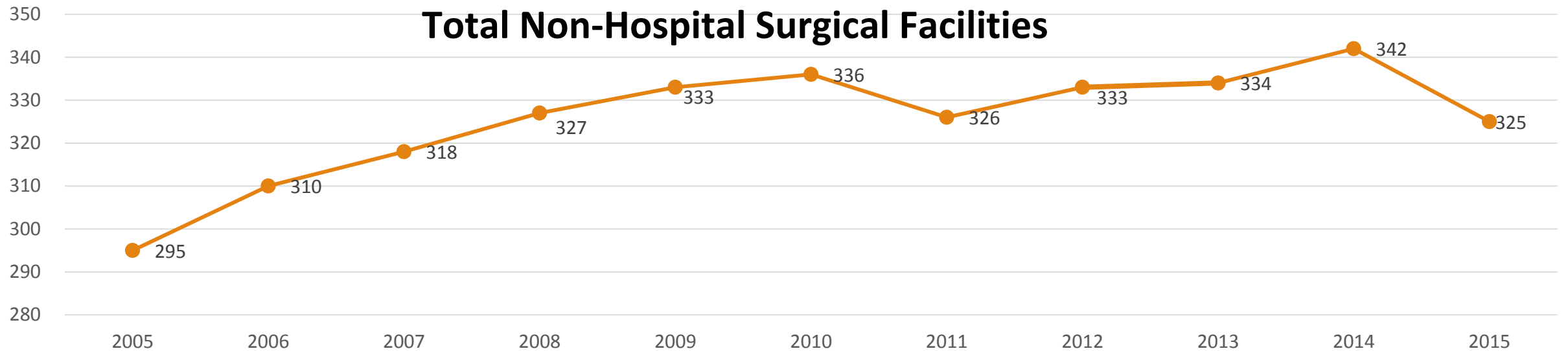
# Self-Reported Facility Specialties at ASFs and POSCs

Specialty	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Total Cases	501,893	522,612	560,473	595,255	607,939	594,993	604,012	623,413	665,149	666,209	659,008
Gastro, Colon and Rectal	40%	43%	41%	41%	38%	37%	38%	37%	38%	36%	35%
Pain Management	10%	11%	13%	14%	17%	17%	17%	18%	18%	20%	19%
Ophthalmology	10%	10%	10%	10%	10%	11%	11%	11%	11%	11%	12%
Urology	14%	12%	12%	13%	12%	11%	12%	11%	11%	10%	11%
Orthopaedic	5%	6%	5%	5%	5%	6%	6%	6%	6%	6%	7%
Top 5 Specialties	80%	82%	82%	83%	82%	81%	83%	84%	84%	84%	83%

**Includes all facilities, with and without operating rooms.**

# Number of Non-Hospital Surgical Facilities by Type of Facility

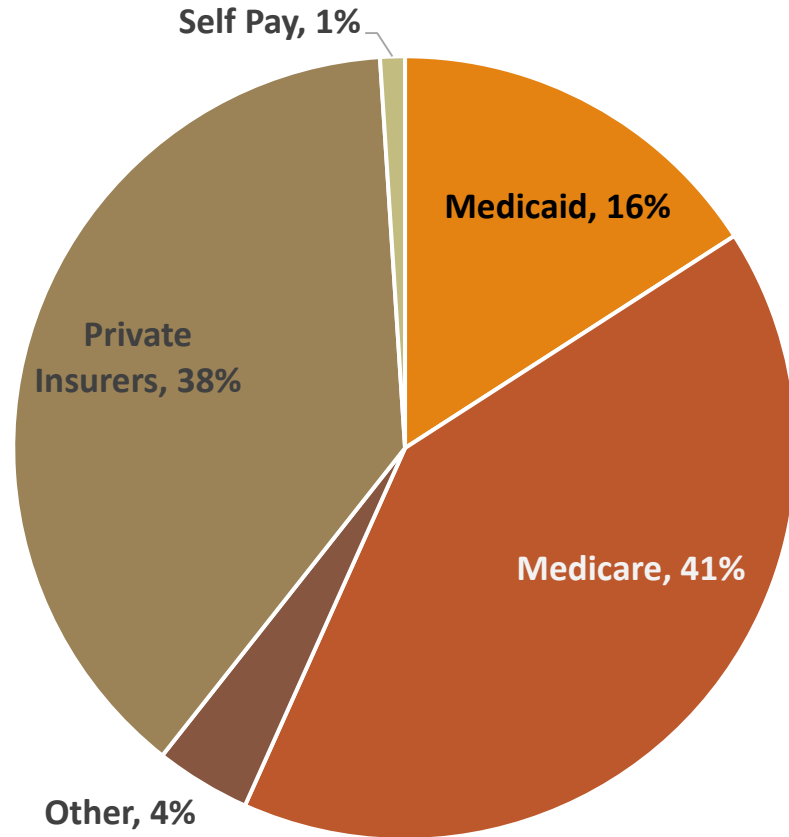
Type of Specialty	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015
Single Specialty	226	240	247	253	257	258	247	250	246	253	237
Limited Specialty	36	34	31	35	32	30	24	28	29	30	34
Multi-specialty	33	36	40	39	44	47	55	54	59	59	54
Total	295	310	318	327	333	335	326	332	334	342	325



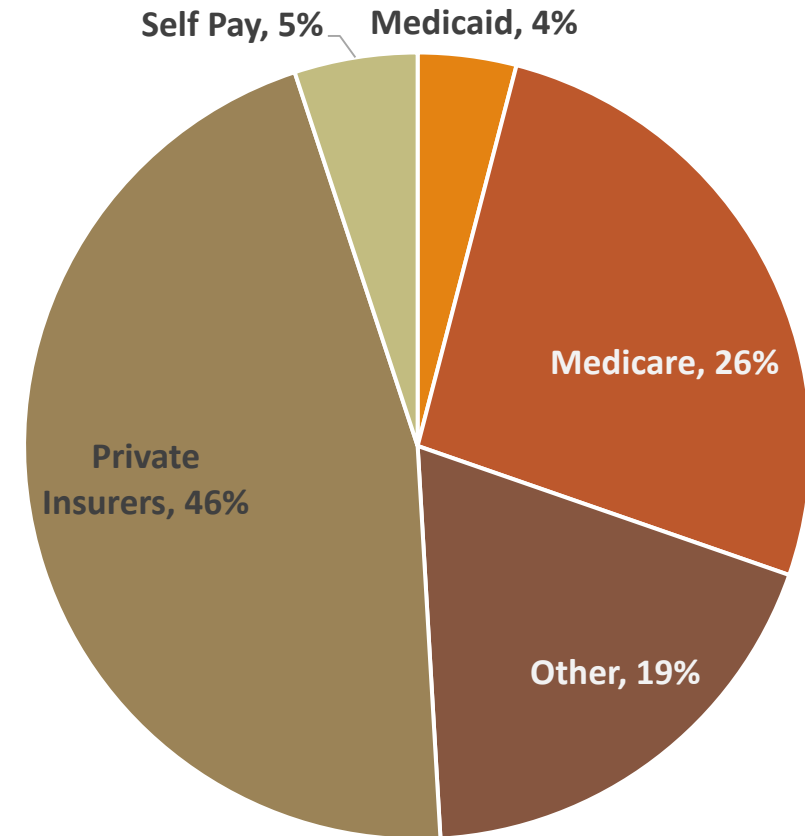
**Limited specialty: 2-3 specialties reported; Multi-specialty: 4+ reported.**

# Payer Mix

Percent of Total Charges at Hospitals,  
CY 2015



Percent of Total Net Revenue at Non-Hospital Surgical Facilities, CY 2015



**Includes all facilities, with and without operating rooms.**

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