

# 2016 Spring Steering Committee Surveillance Update

Jillian N. Schrager, MPH

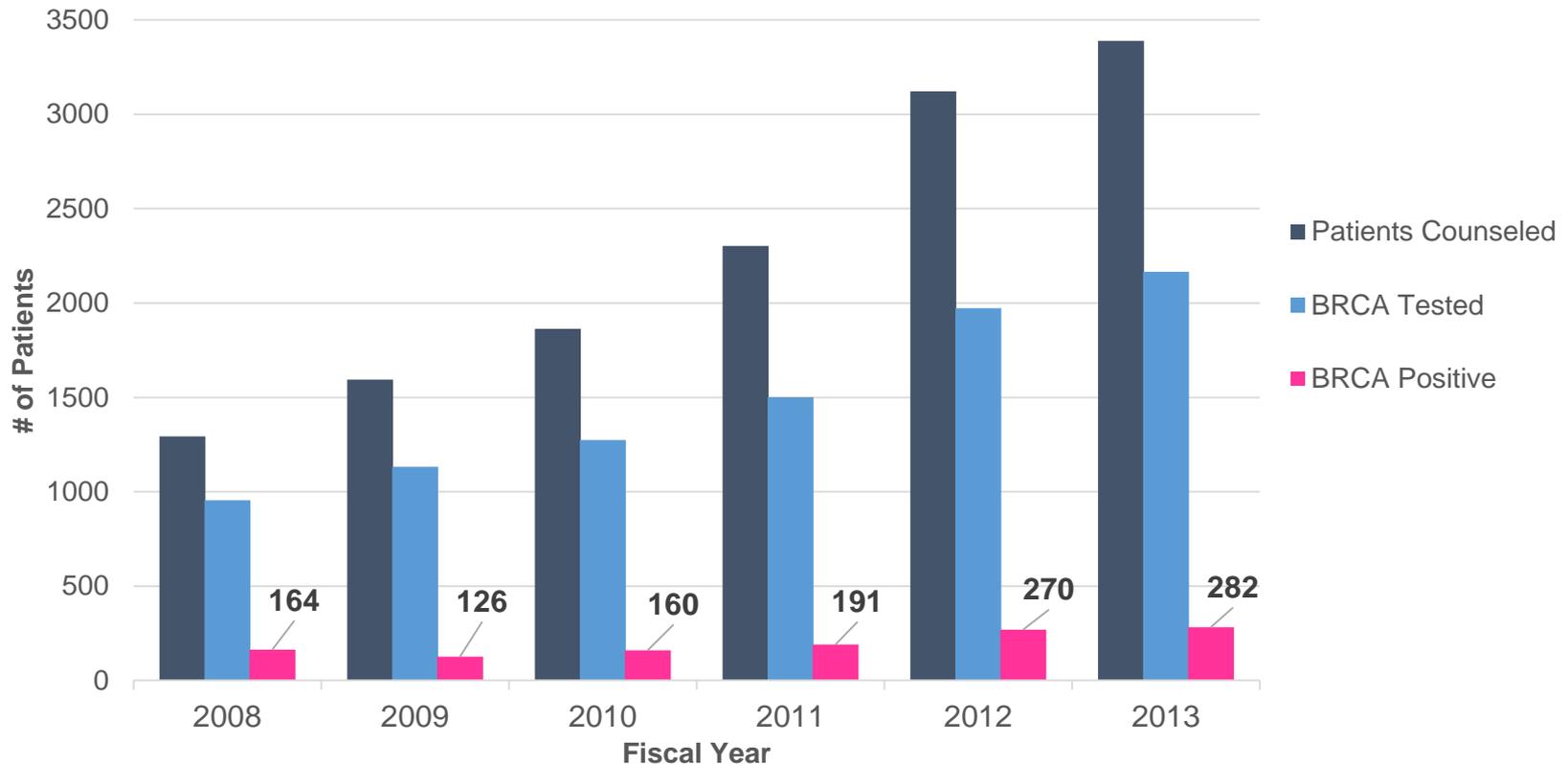
4/29/2016

MDHHS-CDC Cooperative Agreement DP14-1407:  
Promoting System Change through Education, Surveillance  
and Policy to Advance Cancer Genomics Best Practices

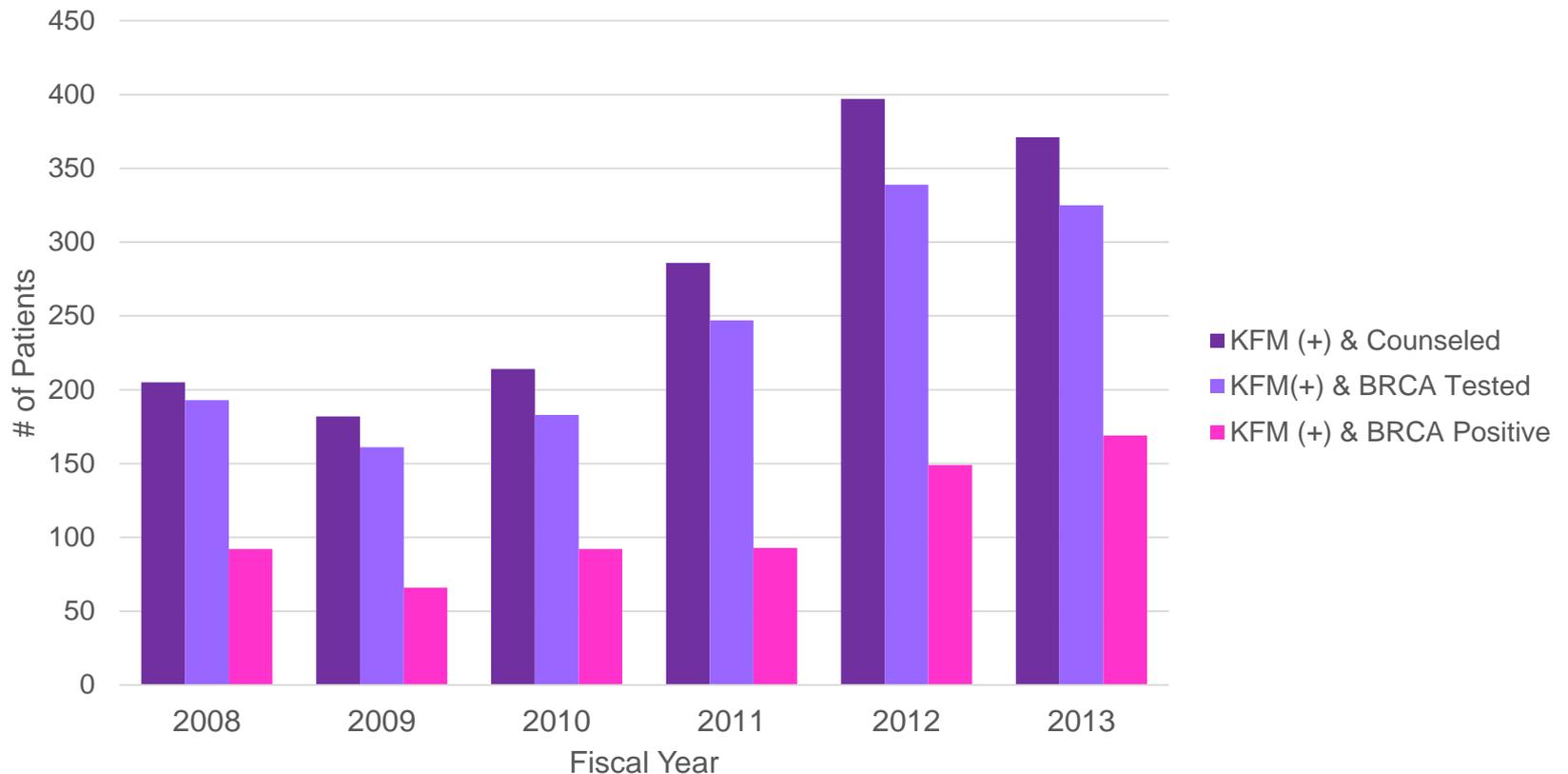
# Evidence of Cascade Screening in the *BRCA* Clinical Network Database

**Frequencies of Known Familial Mutation and Site-  
Specific Tests Ordered**

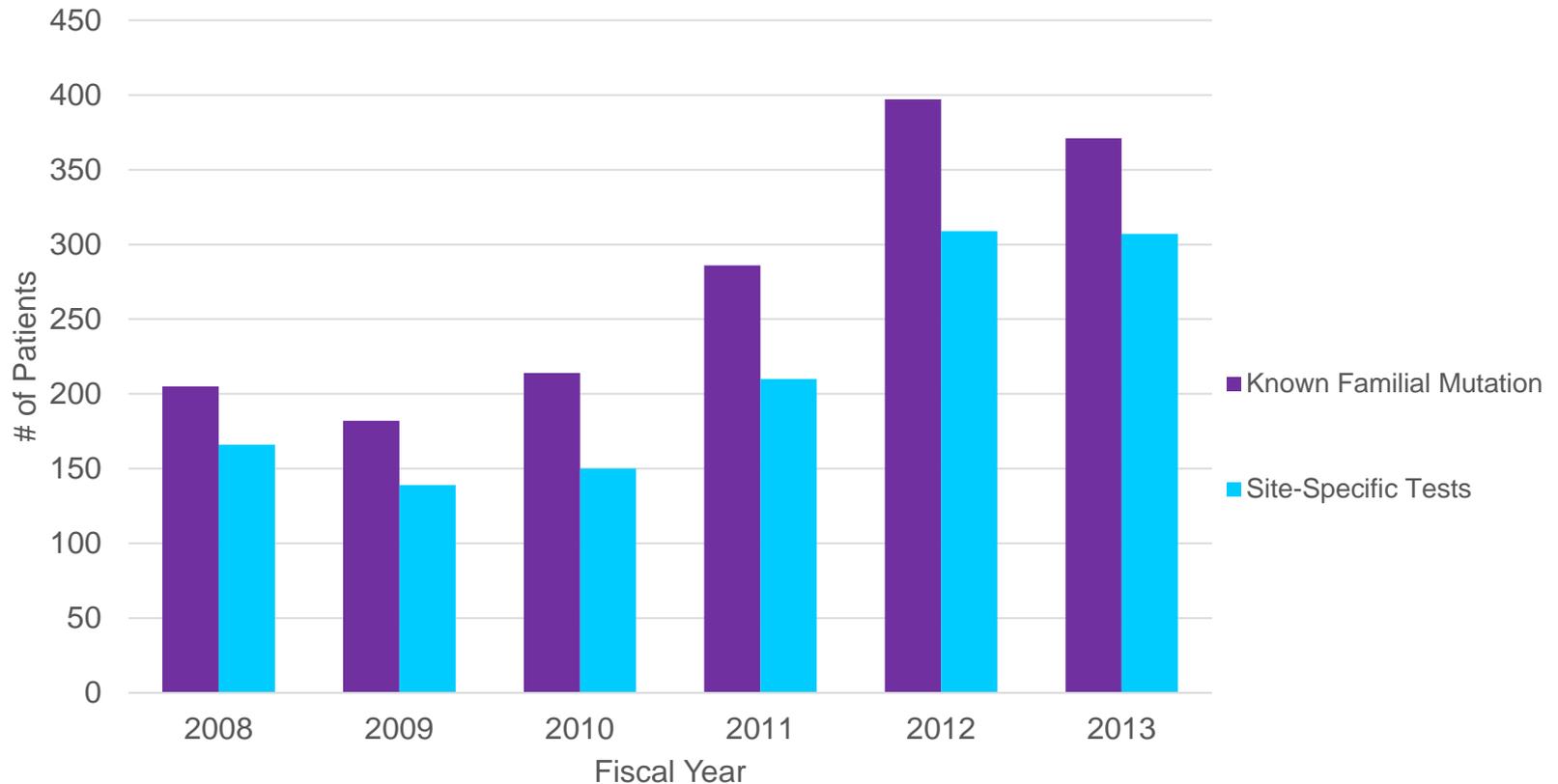
# BRCA Clinical Network Database Patients – Counseled, Tested, and BRCA Positive by Fiscal Year



# Patients w/ Known Familial Mutation – Counseled, Tested, and *BRCA* Positive by Fiscal Year

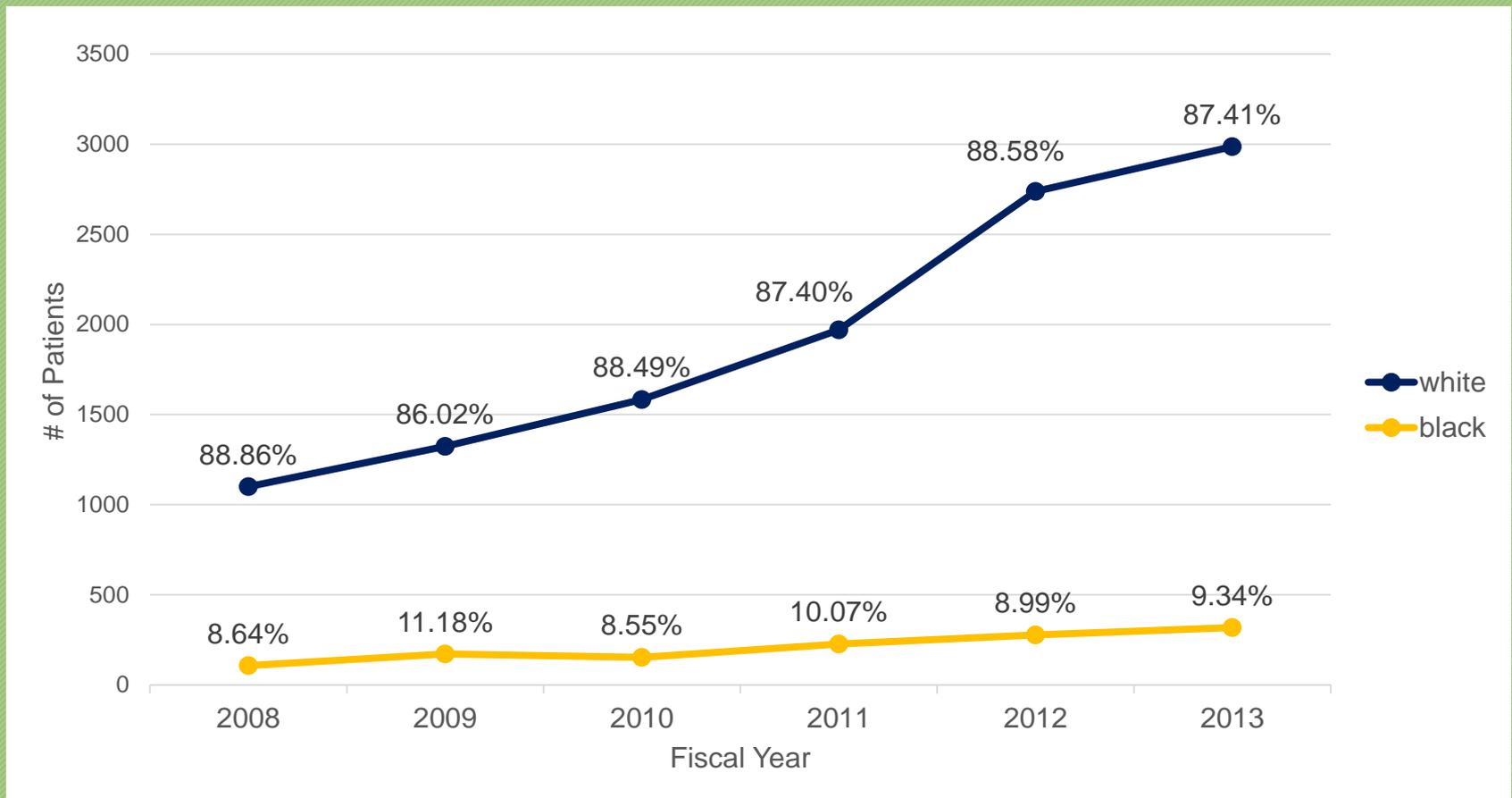


# Patients w/ Known Familial Mutation and Site-Specific Tests Ordered by Fiscal Year

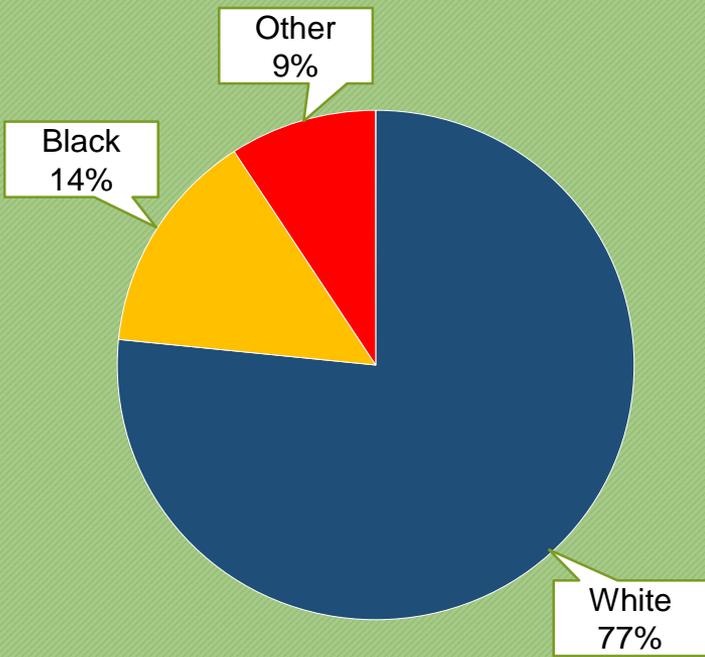


Examining Racial Differences in  
Utilization of Genetic Counseling  
Services in *BRCA* Clinical Network  
Database

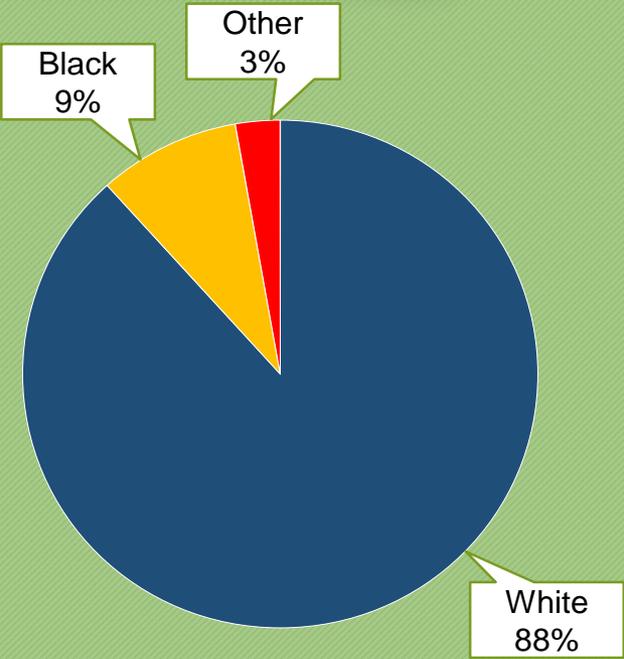
# Patients Counseled by Fiscal Year: Whites & Blacks



# Racial Distribution: MI Overall Population vs. BRCA Clinical Network Database Patients Counseled



MI Population 2010

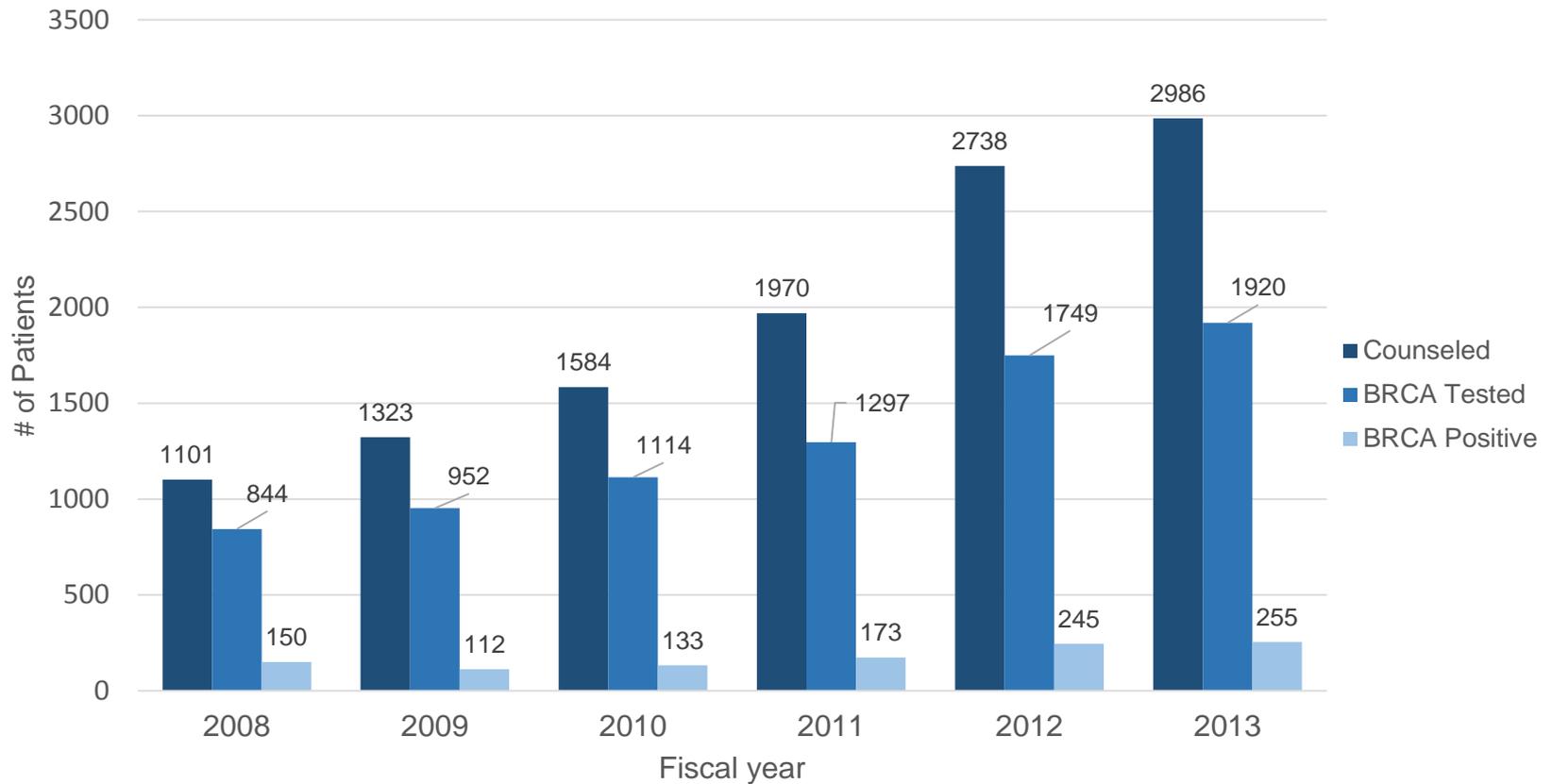


BRCA Clinical Network Database 2008-2013

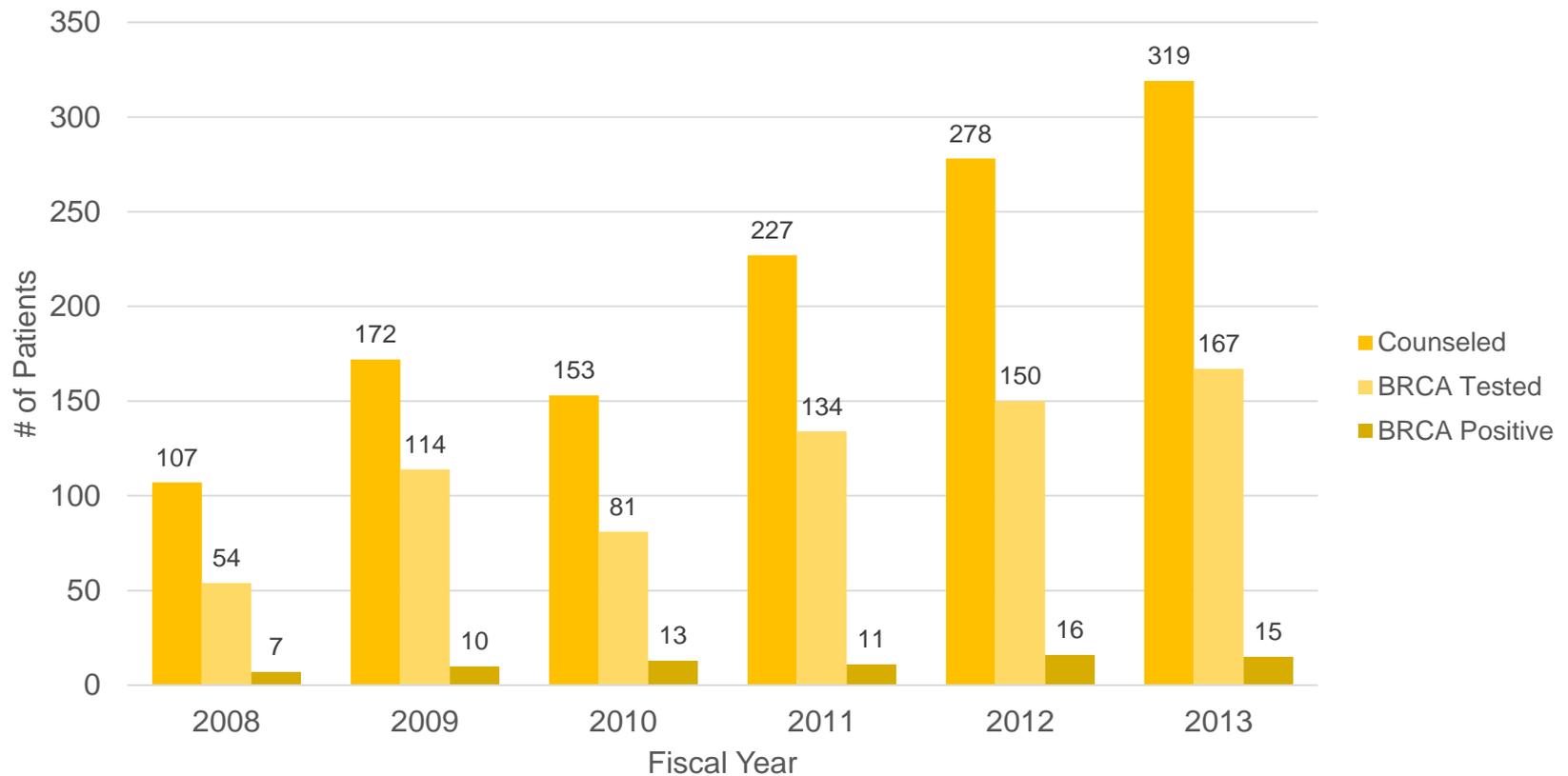
MI Population Data Source: US Census QuickFacts, 2015

\* Other = Asian, American Indian/Alaska Native, Native Hawaiian/PI, Hispanic, Multi-racial

# Patients Counseled, Tested, and *BRCA* Positive - Whites



# Patients Counseled, Tested, and *BRCA* Positive - Blacks



# Geographic Distribution of “High Incidence Counties” and “High Usage Counties”

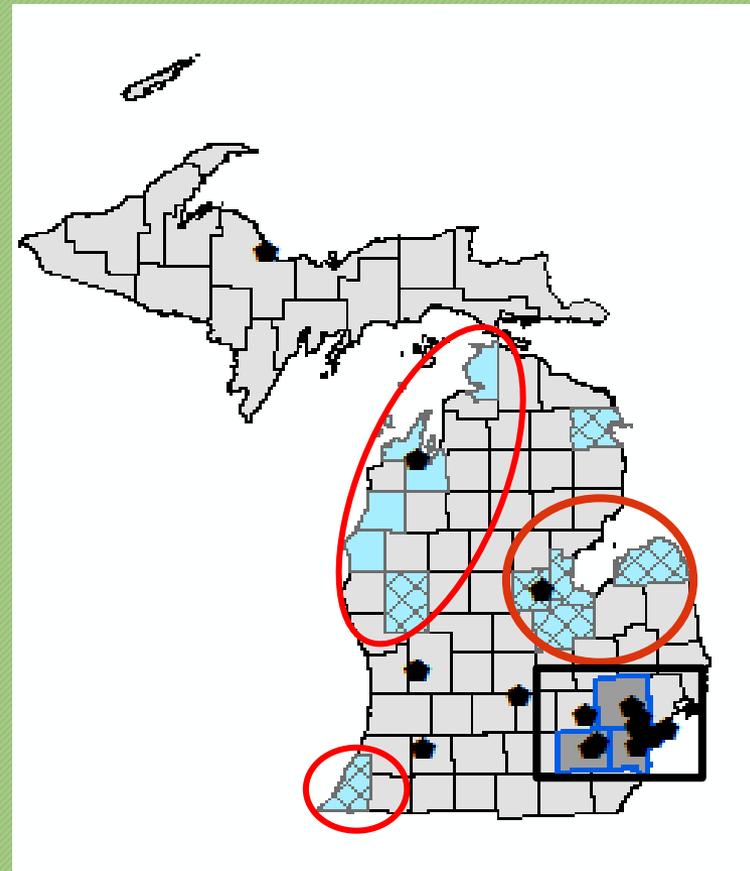
$N_{\text{total}} = 1,458$

HIC,  $N = 380$

HUC,  $N = 1,078$

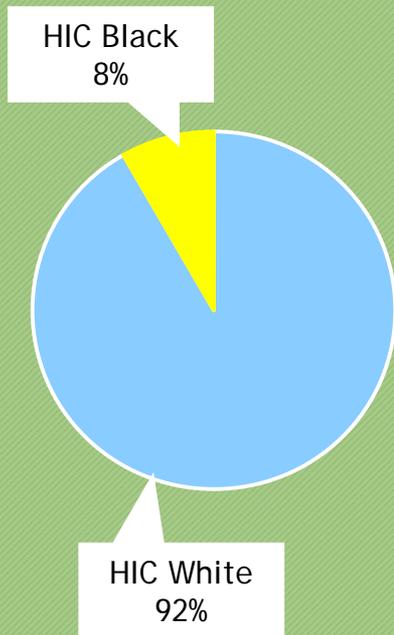
- = Clinic location
- = High Incidence Counties:  
Breast Cancer at young age
- = High Incidence Counties:  
Ovarian Cancer
- = High Usage Counties

*\*Italics denote high OC incidence vs. BC at young age*

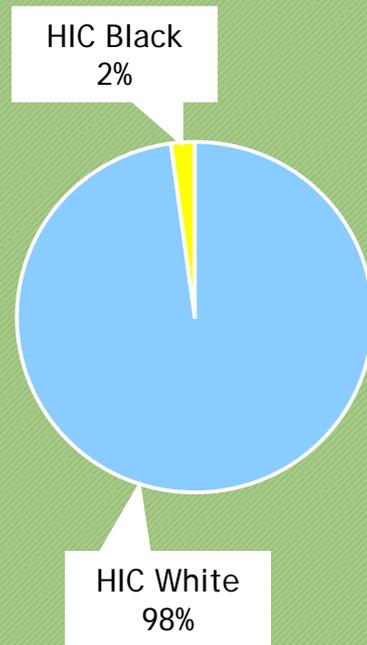


# Racial Differences in Genetic Counseling Visits – HIC vs. HUC

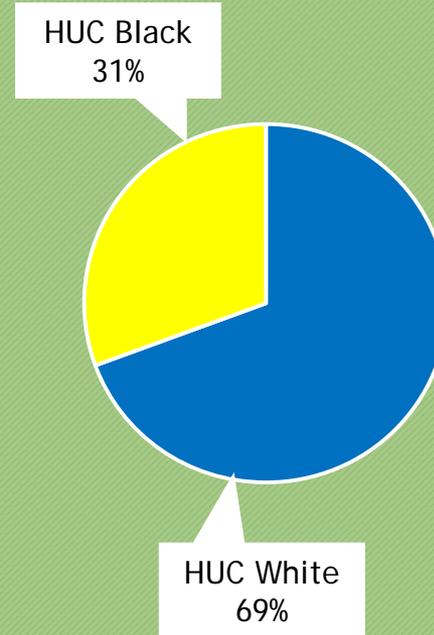
**HIC Census Population (2010)**



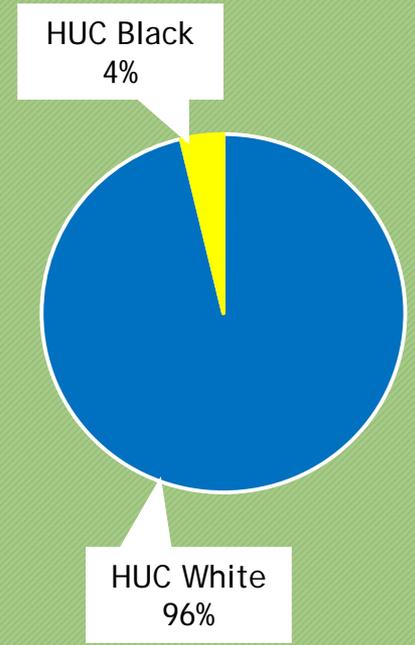
**HIC Clinical Population**



**HUC Census Population (2010)**



**HUC Clinical Population**

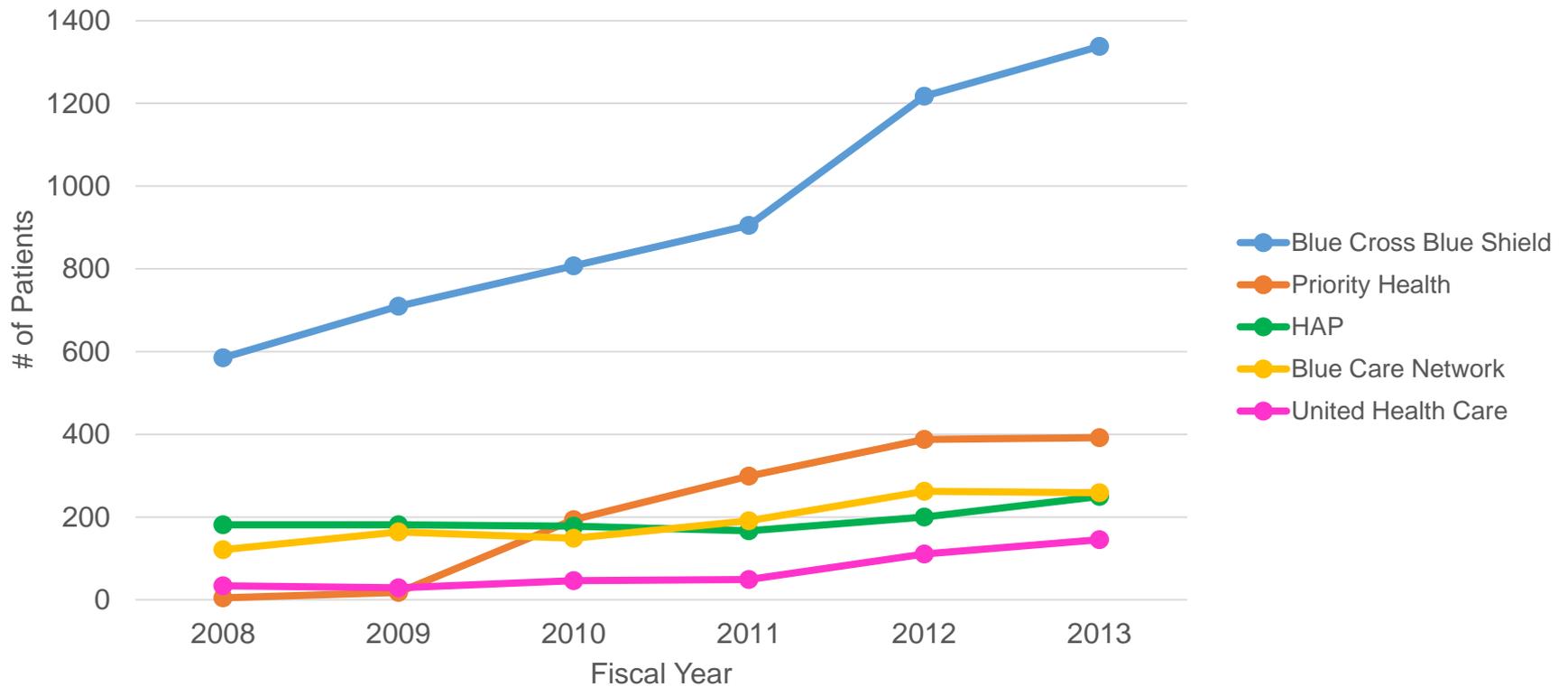


Insurance Coverage and Genetic  
Services Utilization in *BRCA* Clinical  
Network Database

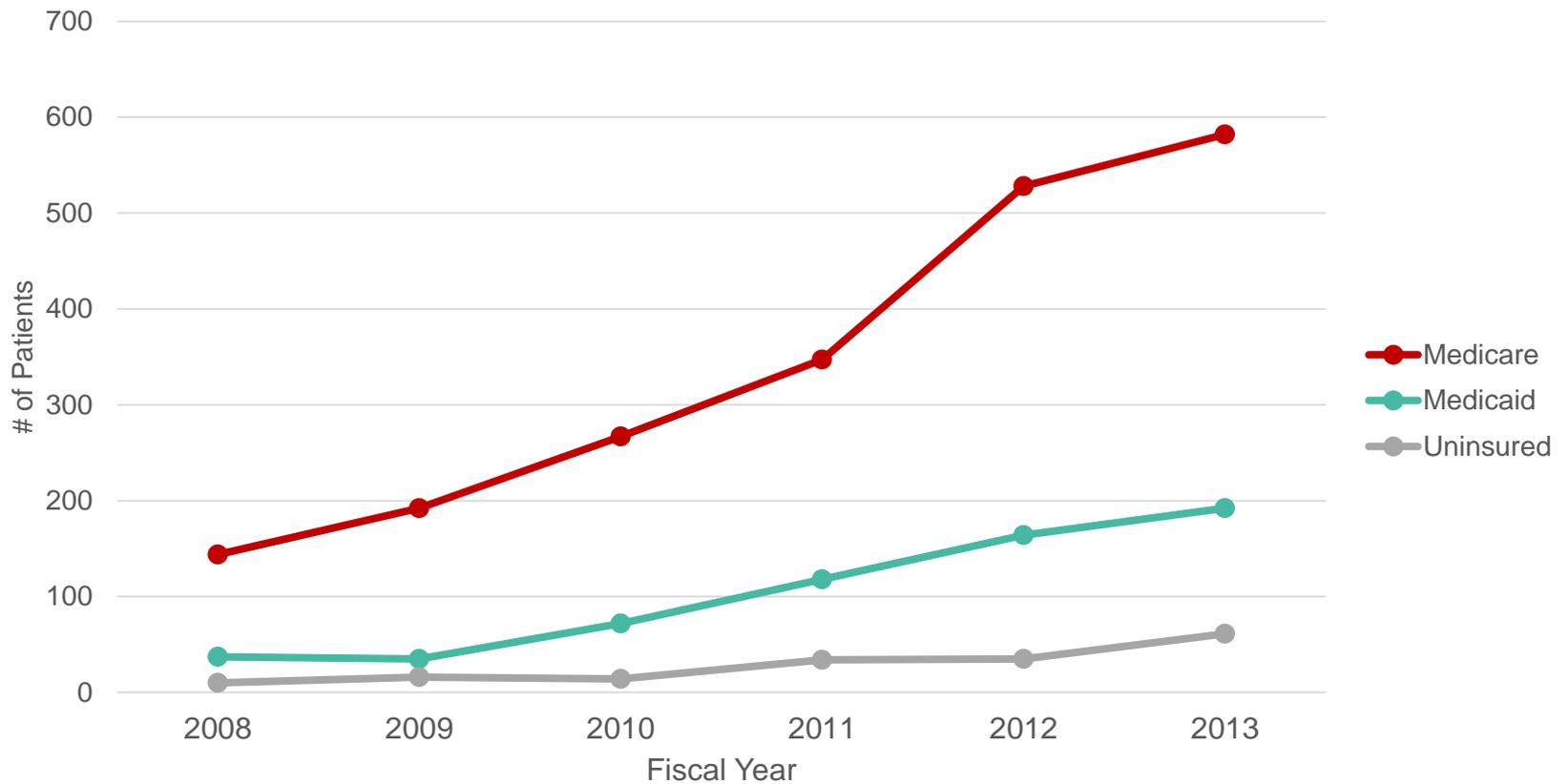
# Top Five Private Insurance Providers in *BRCA* Clinical Network Database

Top 5 Private Providers		
Provider	N	%
BCBSM	5562	50.42
Priority Health	1296	11.75
HAP	1157	10.49
Blue Care Network	1146	10.39
United Health Care	414	3.75

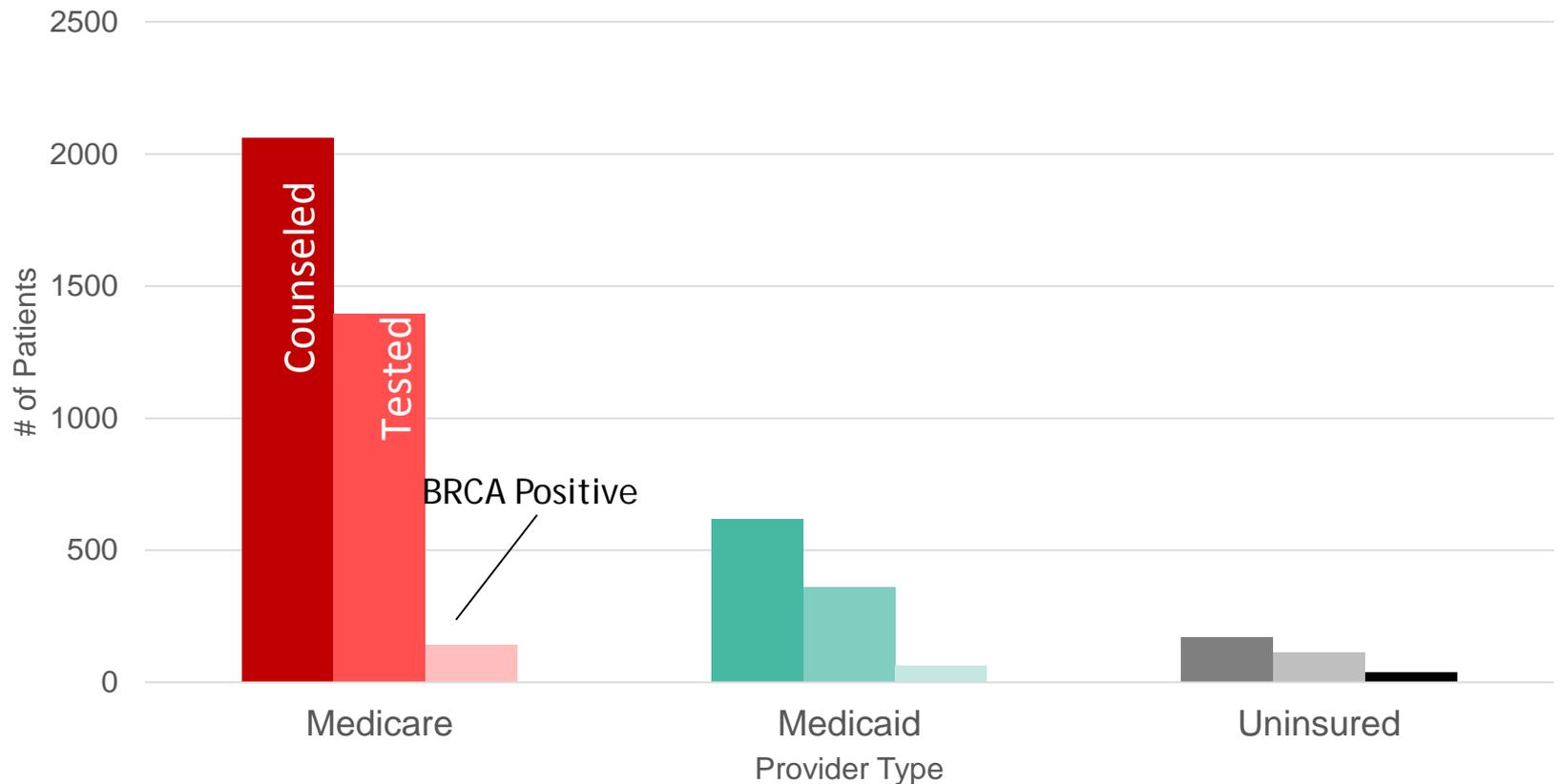
# Top Five Private Insurance Providers by Fiscal Year



# Patients Utilizing Medicare, Medicaid, or are Uninsured by Fiscal Year

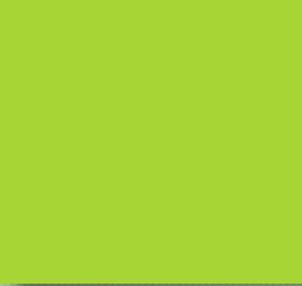


# Patients Utilizing Medicare, Medicaid, or are Uninsured – Counselor, Tested, *BRCA* Positive



# Insurance Providers – HIC vs. HUC

	High Incidence Counties		High Usage Counties		$\chi^2$	<i>p</i>
	N	%	N	%		
<b>Top 5 Insurers</b>					104.74	<.0001
Aetna	30	12.71	30	3.56		
Blue Care Network	12	5.08	133	15.78		
Blue Cross Blue Shield	153	64.83	526	62.40		
HAP			105	12.46		
Priority Health	31	13.14	42	4.98		
Uninsured	10	4.24	7	0.83		
<b>Medicare</b>					0.11	0.74
No	327	86.05	935	86.73		
Yes	53	13.95	143	13.27		
<b>Medicaid</b>					20.40	<.0001
No	361	95.00	1,066	98.89		
Yes	19	5.00	12	1.11		



# Thank You For Your Attendance Today!

Feel free to contact me with any questions or comments about any of the surveillance materials you have seen here today:

SchragerJ@Michigan.gov  
517-373-2929