

# Quality Improvement in Adult Immunization: Find a Partner's Strengths

Lynsey Kimmins, MPH, MLS(ASCP)<sup>CM</sup>  
Michigan Department of Health and Human Services (MDHHS)  
Division of Immunization

# Presentation Overview

- Michigan Primary Care Association (MPCA) background
- MDHHS Division of Immunization & MPCA partnership background
- Project background
  - Community Health Center (CHC) Report Cards
  - How Adult Immunization Quality Improvement Project (AI-QI) already aligned with MPCA goals and activities
  - Few preliminary themes and products of AI-QI
  - Future directions

# Michigan Primary Care Association (MPCA)

- Today, the MPCA :
  - Is the voice of **45 CHC Organizations** that provide primary and preventive health care
  - Serves more than **700,000 patients** in rural and urban communities
  - Has more than **270 delivery sites**
- **Mission:** To enhance integrated care through CHCs while influencing policy at the state and national level.
- **Vision:** Quality, integrated care for all.

# MPCA & MDHHS Division of Immunization

## *Partnership History*

- Previously, the division funded a fulltime-contracted position at MPCA (~2000-2013)
  - Assisted MPCA member health center immunization programs
    - FQHCs, Look-Alikes, Migrants, Native American Tribal Health Centers, School-based and School-linked health centers
  - Served as a liaison between MDHHS and health centers
  - Provided programmatic, technical, and logistical assistance
  - Focused primarily on child and adolescent immunizations
- Combination of retirement, funding, and position challenges lead to the elimination of this position in 2013

# MPCA & MDHHS Division of Immunization

*Renewing the Partnership with the 2015 PPHF Adult Immunization Standards Grant*

- MDHHS invited 25 organization to participate in grant activities with stipend
  - 18 accepted
  - Stipend provided an incentive, motivation, and accountability
- MPCA & MDHHS Division of Immunization Grant Kick-off Meeting
  - New leadership and program personnel at MPCA
  - New focus on adult immunizations
  - Established new goals and reinvigorated the partnership

# MPCA & MDHHS Division of Immunization

## *PPHF Adult Immunization Standards Grant Execution*

- MPCA was one of the more eager and active participants during the first 2 years of the grant
  - Also requested and received additional funding to do supplemental activities
- Activities during initial grant period included:
  - Stakeholder meeting participation
  - Adult Standard Modules at
    - CHC sites
    - MPCA Annual LGBTQ+ Health Summit
    - MPCA Annual Conference
  - Sponsored member attendance to Michigan Regional Immunization Conferences
  - MDHHS pilot of CHC immunization report cards

# CHC Site Level Report Card

- An MDHHS-MPCA resource proposed and created by MDHHS
- Developed and distributed quarterly since January 2017 (2016 Q4)
- Michigan Care Improvement Registry (MCIR) Adult Data
  - Over 7.9 million adult records
  - Incomplete/missing adult data: lifespan registry since in 2006 & adult data reporting is not required
- Report cards include:
  - Vaccine coverages and trends across the lifespan
  - Site level VFC and Michigan Adult Vaccine Program (MI-AVP) reported doses
  - Comparison to Michigan and national estimates along with HP 2020 benchmark data and available performance measures for HEDIS
  - Historical quarter coverage estimate comparison

**Site Name**

MCIR ID:	VFC PIN:
Individual site data from the Michigan Care Improvement Registry	
Data current as of: 07/07/2018	

Doses Reported and Patient Population in MCIR				Coverage Comparison	
	2017 Doses	2018 Doses	# of Patients**	Child:	%
Children (Through 10 years)	#	#	#	(4313314 coverage %)	
Adolescents (11 through 18 years)	#	#	#	Adolescent:	%
Adults (19 years and older)	#	#	#	(1323213 coverage %)	
Vaccines for Children (VFC)	#	#	**patients under your MCIR provider ID	Adult:	%
Michigan Adult Vaccine Program (MI-AVP)*	#	-		(1+ flu coverage %, 19+ yrs old)	

\*MI-AVP is a publicly funded vaccine program for uninsured and underinsured adults.  
Please contact your local health department for more information regarding blank MI-AVP data.

Green: At or above statewide coverage  
Red: Below statewide coverage

**Percent Coverage by Vaccine/Series**

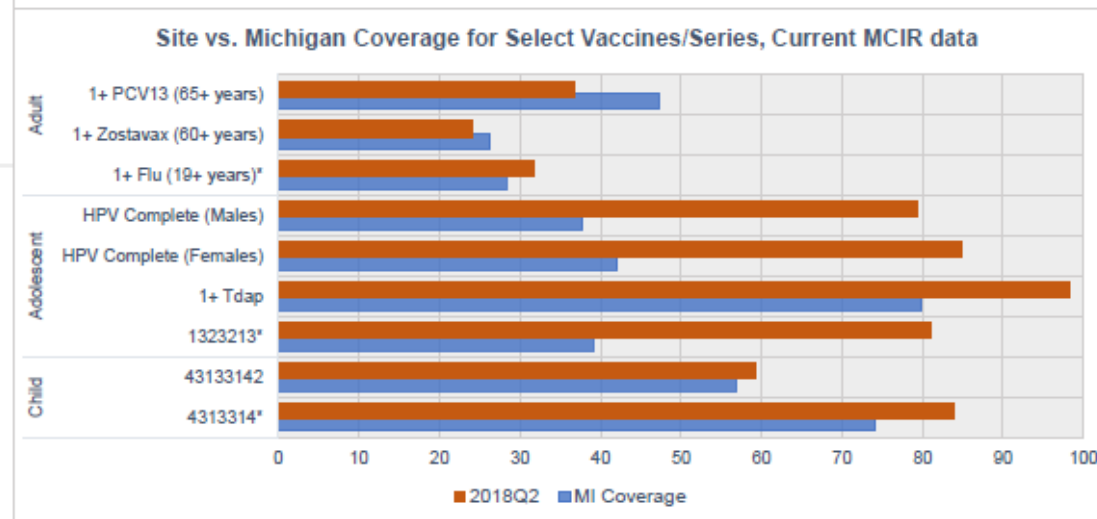
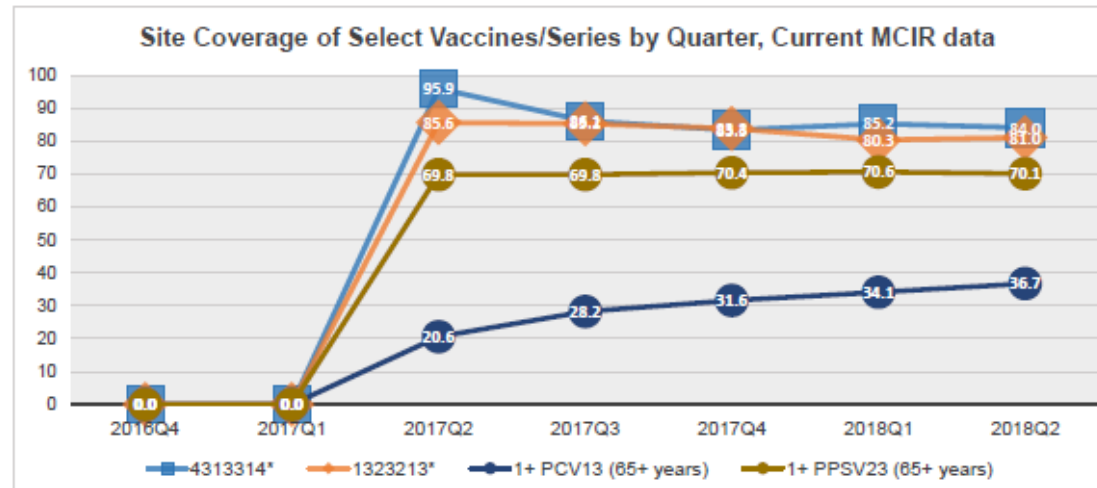
	Pop. <sup>§</sup> (n)	Site Coverage (%)	MI Coverage (%)	US Average (%)	HP 2020 Goal (%)	HRSA/HEDIS Measure
<b>Child Vaccinations (19 through 35 months of age)</b>			<u>MCIR</u>	<u>2016 NIS</u>		<input checked="" type="checkbox"/>
Birth Dose HepB (within 3d of birth)			79.6	71.1	85	-
4313314 <sup>†</sup>			74.2	70.7	80	<input checked="" type="checkbox"/>
43133142 <sup>†</sup>			56.9	-	-	-
2+ HepA			58.5	60.6	85	-
4+ DTaP			77.4	83.4	90	-
PCV Complete			83.4	81.8	90	-
Medicaid 4313314 <sup>†</sup>			73.8	-	-	-
Rota. Complete <sup>§§</sup> (8-24mo)			71.3	-	-	-
2017-2018 Flu Season (6mo-8yrs)			29.8	-	-	-
<b>Adolescent Vaccinations (13 through 17 years of age)</b>				<u>2016 NIS Teen</u>		<input checked="" type="checkbox"/>
132321 <sup>§</sup>			76.5	-	-	-
1323213 <sup>§</sup>			39.1	-	-	-
1+ Tdap			79.9	88.0	80 <sup>††</sup>	<input checked="" type="checkbox"/>
1+ MenACWY			79.8	82.2	80 <sup>††</sup>	<input checked="" type="checkbox"/>
HPV Complete <sup>§§</sup> (Females)			42.1	49.5	80 <sup>††</sup>	<input checked="" type="checkbox"/>
HPV Complete <sup>§§</sup> (Males)			37.8	37.5	-	<input checked="" type="checkbox"/>
MenACWY Complete <sup>§</sup> (17yrs)			45.9	-	-	-
<b>Select Adult Vaccinations (19 years of age and older)</b>				<u>2016 NHIS</u>		<input checked="" type="checkbox"/>
2017-2018 Flu Season (≥19yrs) <sup>††</sup>			28.3	42.2	70	<input checked="" type="checkbox"/>
1+ Tdap (19-64yrs)			52.6	24.7 <sup>¶¶</sup>	-	-
Tetanus (rcv. past 10yrs, 19-64yrs)			49.9	62.1 <sup>¶¶</sup>	-	-
HPV Complete <sup>§§</sup> (Females 19-26yrs)			48.5	-	-	-
HPV Complete <sup>§§</sup> (Males 19-26yrs)			16.9	-	-	-
1+ Zostavax (≥60yrs)			26.3	30.6 <sup>¶¶</sup>	30	-
1+ PCV13 (≥65yrs)			47.3	32.6 <sup>¶</sup>	-	-
1+ PPSV23 (≥65yrs)			42.5	42.2 <sup>¶</sup>	-	-
1+ PCV13 & 1+ PPSV23 (≥65yrs)			26.4	18.6 <sup>¶</sup>	-	<input checked="" type="checkbox"/>



DATA SUMMARY

Age	Series	2016Q4	2017Q1	2017Q2	2017Q3	2017Q4	2018Q1	2018Q2	MI Coverage
Child	4313314*	.	.	95.9	86.1	83.3	85.2	84.0	74.2
	43133142	.	.	76.5	67.3	60.7	65.0	59.2	56.9
Adolescent	1323213*	.	.	85.6	85.2	83.8	80.3	81.0	39.1
	1+ Tdap	.	.	98.6	98.4	98.1	98.2	98.2	79.9
	HPV Complete (Females)	.	.	91.8	91.2	89.3	86.0	84.8	42.1
	HPV Complete (Males)	.	.	81.8	81.2	80.5	77.6	79.4	37.8
	1+ Flu (19+ years)*	.	.	30.0	29.9	27.0	30.7	31.6	28.3
Adult	1+ Zostavax (60+ years)	.	.	21.0	23.9	24.7	24.4	24.0	26.3
	1+ PCV13 (65+ years)	.	.	20.6	28.2	31.6	34.1	36.7	47.3
	1+ PPSV23 (65+ years)	.	.	69.8	69.8	70.4	70.6	70.1	42.5

\*Series/Vaccine coverage is charted below



Renewed Partnership with  
MPCA + CHC Report  
Card Pilot



**MDHHS +MPCA  
AI-QI**

CHCs Eligible for  
MI-AVP Program

Common Goal to  
Reach Underserved  
(Adult) Populations

# Patient Centered Medical Home (PCMH) Learning Community & QI Director Network

- PCMH Learning Community was a technical assistance initiative developed by MPCA in partnership with a national PCMH expert organization (2011-2012).
  - Combination of virtual and in-person training sessions on PCMH principles
  - Peer-to-peer activity, implementation, and sustainability lessons
- QI Director Network
  - MPCA managed group of health center staff engaged in QI
  - Including PCMH and practice transformation activities

# PCMH & Adult Immunizations

- Integrating adult immunizations into the *daily huddle* for care teams, a core focus of PCMH
- Incorporating adult immunizations (MCIR histories/high risk indicators/conditions) as part of *pre-visit planning (PVP)*
- Reinforces the health center as the *preventive medicine provider* for underserved adults, many of whom are Medicaid beneficiaries

# Michigan Quality Improvement Network (MQIN)

- MPCA received a grant from the Health Resources and Services Administration (HRSA) to establish and support a Health Center Controlled Network (HCCN). (2016-2019)
- **Purpose:** Support health centers in achieving meaningful use of *ONC-certified electronic health records (EHRs)*, adopting *technology-enabled quality improvement* strategies, and engaging in *health information exchange (HIE)* to strengthen the quality of care and improve patient health outcomes.
- **39 health centers participate**

# Examples of MQIN Training & Technical Assistance Services

- EHR implementation and optimization
- Peer learning networks
- Population health management
- Health Information Exchange (HIE) and Population Health Management
- Data Quality and Reporting
- Quality Improvement

# Adult Immunization Quality Improvement (AI-QI) Initiative

September 2017- Present

# AI-QI Project Model

- Adapted Plan-Do-Study-Act (PDSA)-style model (“AFIX”)
  - Assessment: CHC Site Level Report Cards
  - Feedback: Kick-off visit with organization (1.5 to 2 hrs in-person) & Engagement through MPCA QI Directors Network
  - Incentive: Recognition from MPCA, MDHHS, and Health Center Leadership
  - eXchange: Follow-up visit (3 – 6 months from kick-off visit) with organization to discuss implementation of selected strategies and share project measures





# Themes & Successes from the AI-QI Project

- MCIR Data Cleaning
- Improved workflows to make AI a standard of care for routine assessment of adults, and include in PVP, Huddles, etc.
- Provider and Staff education through INE program, PPEPI program, CDC's You Call the Shots and Pink Book Webinars, use of Immunization Champion
- Build Awareness and Use of MI-AVP (2 health centers completed training and are now administering public doses)
- Targeted hepatitis A outbreak outreach

# MPCA & MDHHS Division of Immunization

## *Partnership after the 2015 PPHF Adult Immunization Standards Grant*

- Finish remaining in-person follow-up visits
- Continue distribution of quarterly CHC Report Cards
- New activities to continue partnership:
  - Conference calls with MPCA, MDHHS, and CHC sites following quarterly report card distribution
    - Provide timely immunization updates
    - Q&A time for open communication
    - Highlight immunization success stories
  - Continue regular email immunization updates to MPCA members
  - Develop unblinded comparison of CHC coverage estimates stratified by population size
- Future activities are being discussed following the grant ending and staff changes

# Many Thanks to Our Partners

- Simmi Issacs, MPCA Associate Director for Operational Excellence
- Jackie Chandler, Outreach Coordinator
- Cristi Bramer, VPD Epidemiologist
- Terri Adams, Section Manager
- Bob Swanson, Division Director
- MDHHS Field Representatives
- MCIR Staff
- Local Public Health
- Participating health centers!