2019

Wayne Memorial Hospital Community Health Needs Assessment and Implementation Strategy

Pike and Wayne Counties and Adjacent Underserved Communities, PA

Advisory Committee Meeting #3 - 5/30/2019

HMS Associates, Getzville, NY

Agenda

- Intent: Review findings and Priority Selection Process
 - Overview of CHNA Process
 - Proposed Priority Selection Process
 - Preliminary Findings by Type of Input
 - Other Materials
- Next Steps
 - Committee completes Priority Selection Score Sheet
 - HMS integrate scores and prepares proposed "final" priorities, complete CHNA Summary and User Guide for committee by 6/10
 - Advisory Committee consider proposed "final" priorities on Thursday 6/13 (by phone or face-to-face) – forwards to WMH Board for consideration and adoption
 - WMH Board consideration on Wednesday, 6/26/19 and upon adjustment as needed and adoption by WMH board, posting on WMH website by 6/30/19.
- New business/adjournment

Overview of CHNA Process

Assessment + Strategic Implementation Continuum





Priority Selection Process

- Committee members consider the findings on preliminary priorities which resulted from the collection and analyses of statistical and community insight data
- Statistical Analyses
 - Preliminary priorities for social indicators, reproductive health, and causes of death have been identified for the Pike and Wayne Counties Region, Pike County, Wayne County and each of the eight communities in the Pike/Wayne Region. Additional priorities have been identified on Medicare cost, chronic condition prevalence, hospital emergency department and inpatient utilization and preventive health care services utilization for the region and each county
 - A preliminary priority is operationally defined as an indicator which is among the poorest 25% of comparative communities.
 - For the region and county analyses, two comparative analyses or benchmarks were employed
 - A statewide analysis of 31 rural (non-metro) counties in Pennsylvania as defined by the Federal Office of Rural Health Policy which identifies potential priorities from a statewide "rural" perspective
 - A regional analysis of the nine counties within Region 6 of the Pennsylvania Health Care Cost Containment Council which identifies potential priorities from a regional Northeast PA perspective
 - Statistical indicators which have poor findings in either or both comparisons are noted and potential final priorities may emphasize indicators with poor standings in both the statewide rural and NEPA benchmarks
 - For the community level analyses, the benchmarks or basis for identifying potential priority is
 poor standing among the eight communities in the Pike/Wayne region.

- Community Insights
 - This data is most useful in selecting regional priorities
 - In the survey component, findings on critically needed services, target population, specialist needs and topics of concern are noted
 - In the interview component, findings on unmet needs are presented
- Potential priorities which are supported by both the statistical and community insight data may be most important
- Method
 - The Priority or Significant Need Selection Form has three sections, one for the Pike/Wayne region and Pike and Wayne Counties statistical inputs, the second for the Pike/Wayne communities statistical inputs, and the third for Pike/Wayne region needs reflected in the community insight analysis.
 - The Significant Priority Selection Form for the region and county display preliminary priorities. Select five for the P/W region, three for each county and two for each community.
 - The community insights form lists preliminary priority needs as reflected by frequency counts of topics which emerged form a content analysis of the interview and survey processes.
 - Committee members may select priorities based on their view of the number of people effected by a
 particular indicator or problem, importance to the future of the local health care system or relative
 importance of a particular service or service system component to the health of the community.
 There is no set criteria. Individual judgments are sought.

		Rural PA Pike / Wayne	Pike /	Select Four Mark with
	Component/Indicator	Region	Region	(X)
Pagion	Cause of Death (17)			
Region	Accidents: Non- Transport	75	71	
Statistical	Alzheimer's Disease	86	100	
Significant	Cancer (Malignant Neoplasms): All Other Sites	79	100	
Priority	Cancer (Malignant Neoplasms): Colon and Rectum	51		
,	Cancer (Malignant Neoplasms): Lung and Bronchus	82	57	
Selection	Cancer (Malignant Neoplasms): Total Malignant Neoplasms	82	85	
Design	Diseases of Heart: Acute Myocardial Infarction	62	100	
	Diseases of Heart: Ischemic Excl. Acute Myocardial Infarction	75	85	
	Diseases of Heart: Total Diseases of Heart	72	85	
	Intentional Self-harm (Suicide)	96	85	
	Nephritis, Nephrotic Syn. & Nephrosis	51	85	
Sample	Reproductive Health (9)	112110		
Content	Social Determinants (6)			
Content	Age 65+	89	85	
	Population Not White	93	57	
	Emergency department visit rate per 1,000 beneficiaries (16)			
	Alzheimer's Disease, Related Disorders, or Senile Dementia	68.9	85.7	1
	Prevalence - Percent of Beneficiaries (16)			1
	Atrial fibrillation	79.3	57.1	
	Prevention quality indicator (PQI) - Inpatient use per 100,000 (12)			
	Preventive Services Percent of beneficiaries - Lower rates problematic (10)			
	Annual Wellness Visit	24.1	.14:2	
	Bone Mass Measurement	24.1	57.1	
	Pneumococcal Vaccine	48.2	14.2	
	Screening Mammography		14.2	

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Statistical Inputs

- 1. Social Determinants (6) 2024 Projections
- 2. Reproductive Health (9) 2014 through 2016
- 3. Major Illnesses Death Rates (17) 2014 through 2106
- 4. Major Illnesses Prevalence Medicare (14) 2016
- 5. Medicare Health Services Use Hospital Emergency Department Use (4 + 12) 2016
- 6. Medicare Health Services Use Hospital Preventable Inpatient Use Prevention Quality Indicator (PQI) (12) 2016
- 7. Medicare Health Services Use Outpatient Preventive Services Use (10) - 2016
- 8. Medicare Health Services Use Annual Cost of Premiums (4) 2016
- 9. Health Service Use Preventable Inpatient Care 2017 to 2018 (pending)

Statistics

Social Determinants (6)

- People over 25 years of age, Less than High School Diploma
- People over age 65
- Families Below Poverty
- Families Below Poverty, Single Head of Household with Children
- Female: Age 15-44
- Population Not White

Reproductive Health (9)

- No First Trimester Prenatal Care
- Low birth weight: 1,500 to 2,500 Grams
- No HS Diploma
- Pre-pregnancy Obese
- Pre-pregnancy Overweight
- Pre-pregnancy Underweight
- Pregnancy Smoker
- Unmarried: 19 and Under
- Unmarried: All ages

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Major Illnesses - Death Rates (17)

- Accidents: All
- Accidents: Non- Transport
- Alzheimer's Disease
- Cancer (Malignant Neoplasms): All Other Sites
- Cancer (Malignant Neoplasms): Colon and Rectum
- Cancer (Malignant Neoplasms): Lung and Bronchus
- Cancer (Malignant Neoplasms): Total Malignant Neoplasms
- Cerebrovascular Disease
- Chronic Lower Respiratory Disease
- Diabetes Mellitus
- Diseases of Heart: Acute Myocardial Infarction
- Diseases of Heart: Ischemic Excl. Acute Myocardial Infarction
- Diseases of Heart: Other Heart Disease
- Diseases of Heart: Total Diseases of Heart
- Influenza & Pneumonia
- Intentional Self-harm (Suicide)
- Nephritis, Nephrotic Syn. & Nephrosis

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Major Illnesses – Prevalence – Medicare (14)

- 0 of the claims-based conditions
- 1 of the claims-based conditions
- 2 of the claims-based conditions
- 3+ of the claims-based conditions
- Acute myocardial infarction
- Alzheimer's Disease, Related Disorders, or Senile Dementia
- Atrial fibrillation
- Cancer, Colorectal, Breast, Prostate, Lung
- Chronic kidney disease
- Chronic obstructive pulmonary disease
- Depression
- Heart failure
- Schizophrenia and other psychotic disorders
- Stroke/Transient Ischemic Attack

Medicare Claims Analysis for Region and County Only "Original" Medicare Enrollees All Provider Claims (NJ, NY, PA)

Pike/Wayne Counties 21,057 in 2016 (84% of all enrollees) Pike ~ 10,142 Wayne - 10,915

Dual Eligible (Medicaid and Medicare – "High Need") Pike 11.95% of all enrollees Wayne 16.43% of all enrollees

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Health Services Use – Medicare (54)

Emergency Department Use (4 + 12)

- 0 of the claims-based conditions
- 1 of the claims-based conditions
- 2 of the claims-based conditions
- 3+ of the claims-based conditions
- 12 chronic conditions

Preventable Inpatient Use Prevention Quality Indicator (PQI) (12)

- Prevention Quality Acute Composite (PQI #91)*
- Prevention Quality Chronic Composite (PQI #92)
- Prevention Quality Overall Composite (PQI #90)
- Bacterial Pneumonia (PQI #11)
- COPD or Asthma in Older Adults (POI #5)
- Dehydration (PQI #10)
- Diabetes Long-term Complications (PQI #3)
- Diabetes Short-term Complications (PQI #1)
- Heart Failure (PQI #8)
- Hypertension (PQI #7)
- Uncontrolled Diabetes (PQI #14)
- Urinary Tract Infection (PQI #12)

Outpatient – Preventive Services Use (10)

- Annual Wellness Visit
- Bone Mass Measurement
- Cardiovascular Disease Screening
- Influenza Virus Vaccine
- Initial Preventive Physical Examination (IPPE)
- Pneumococcal Vaccine
- Prostate Cancer Screening
- Screening Mammography
- Screening Pap Test
- Screening Pelvic Examination)

Risk Adjusted Cost (Premium) (4 + 12)

- 0 of the claims-based conditions
- 1 of the claims-based conditions
- 2 of the claims-based conditions
- 3+ of the claims-based conditions
- 12 chronic conditions

* PQI Composite Analysis - All Patients - Pending



Medicare – Chronic Medical Conditions, Poverty and Cost
- Continued

Pike/Wayne County Region	Dual Coverage	Medicare Only	Dual versus Medicare
Prevalence rate (percent)			
0 of the claims-based conditions	13.5	16.0	-19%
1 of the claims-based conditions	11.0	12.5	-14%
2 of the claims-based conditions	12.0	16.0	-33%
3+ of the claims-based conditions	64.0	56.0	13%
Annual Average total cost (risk-adjusted)			
0 of the claims-based conditions	\$5,899	\$4,391	26%
1 of the claims-based conditions	\$7,519	\$5,819	23%
2 of the claims-based conditions	\$9,246	\$6,630	28%
3+ of the claims-based conditions	\$18,267	\$13,350	27%
Emergency department visit rate			
0 of the claims-based conditions	188.5	103.0	45%
1 of the claims-based conditions	212.0	218.5	-3%
2 of the claims-based conditions	502.0	286.5	43%
3+ of the claims-based conditions	1439.0	804.5	44%

Pike and Wayne Counties Region Findings

- Cause of Death (11/17)
 - 1. Accidents: Non-Transport
 - 2. Alzheimer's Disease
 - 3. Cancer (Malignant Neoplasms): All Other Sites
 - Cancer (Malignant Neoplasms): Colon and Rectum
 - 5. Cancer (Malignant Neoplasms): Lung and Bronchus
 - 6. Cancer (Malignant Neoplasms): Total Malignant Neoplasms
 - 7. Diseases of Heart: Acute Myocardial Infarction
 - 8. Diseases of Heart: Ischemic Excl. Acute Myocardial Infarction

- 9. Diseases of Heart: Total Diseases of Heart
- 10. Intentional Self-harm (Suicide)
- 11. Nephritis, Nephrotic Syn. & Nephrosis
- Reproductive Health 0/(9)
 NONE
- Social Determinants (2/6)
 - 1. Age 65+
 - 2. Population Not White

Component ranks are unremarkable. Indicators in bold font are poor for both statewide and regional analyses.

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Pike and Wayne Counties Region Findings - Continued

- Medicare Cost (0/16)
 - NONE
- Medicare ED Use (4+12)
 - Alzheimer's
- Medicare Illnesses (1/10)
 - Atrial Fibrillation
- Medicare Preventable Inpatient Care
 - NONE
- Medicare Preventive Services (4/12)
 - 1. Annual Wellness Visit
 - 2. Bone Mass Measurement
 - 3. Pneumococcal Vaccine
 - 4. Screening Mammography

Component ranks are unremarkable. Indicators in bold font are poor for both statewide and regional analyses.

	FORHP Rurality non-Metro			Pł	PHC4 Region 6		
	Pike /	[Pike /		İ	
	Wayne		1	Wayne			
Component/Indicator	Region	Pike	Wayne	Region	Pike	Wayne	
Cause of Death (15)	60	60	57	66	58	58	
Accidents: All	58		40	42	62	37	
Accidents: Non- Transport	: 75	80	66	71	75	50	
Alzheimer's Disease	86	43	86	100	37	100	
Cancer (Malignant Neoplasms): All Other Sites	79	60	100	100	37		
Cancer (Malignant Neoplasms): Colon and Rectum	51		13	85	. 100	12	
Cancer (Malignant Neoplasms): Lung and Bronchus		96	40	57	100	37	
Cancer (Malignant Neoplasms): Total Malignant Neoplasms	82	96	53	85	100	37	
Diabetes Mellitus	48	73	36	14	62	٥	
Diseases of Heart: Acute Myocardial Infarction	62	76	53	100	100	87	
Diseases of Heart: Ischemic Excl. Acute Myocardial Infarction	75	73		85	75	87	
Diseases of Heart: Total Diseases of Heart	72	66	76	85	62	87	
Influenza & Pneumonia	13	6	36	28	12	87	
Intentional Self-harm (Suicide)	96	. 100	93	85	100	62	
Nephritis, Nephrotic Syn. & Nephrosis	51	30	70	- 85	37	100	
Reproductive Health (9)	37	50	24	32	46	18	
First Trimester Prenatal Care	56	84	24	43	75	13	
Pre-pregnancy - Overweight	44	80	10	57	75	12	
Pre-pregnancy - Underweight	41	73	13	57	75	12	
Unmarried: All ages	51	80	40	14	50	0	
Social Determinants (6)	39	40	38	38	39	48	
Age 65+			B6	85	87	75	
Population Not White	93		83	57	62	50	

Regional and County Specific Findings - Causes of Death, Reproductive Health and Social Determinants

* PQI Composite Analysis - All Patients - Pending

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Regional and County Specific Findings - Medicare Cost, ED Use, Medical Condition, Avoidable Inpatient Use and Preventive Services

	FORHP	Rurality no	on-Metro	PH	C4 Regio	gion 6	
Component/Indicator	Pike / Wayne Region	Pike	Wayne	Pike / Wayne Region	Pike	Wayne	
Average annual total cost risk-adjusted (16)				· · · · · · · · · · · · · · · · · · ·			
Acute myocardial infarction	50	88.3	7.4	66.6	71.4	28.	
Cancer - Lung	53.8	66.6	29.6	66.6	100	28.	
Depression	62		13.3	71.4	100	2	
Stroke/Transient Ischemic Attack	41.3	08 ····	20	71.4	100	12.	
Emergency department visit rate per 1,000 beneficaries (16)							
Alzheimer's Disease, Related Disorders, or Senile	68.9	70	36.6		. 87.5	2:	
Depression	65.5	83,3	20	42.8	87.5	12.	
Stroke/Transient Ischemic Attack	34.4	10	50	57.1	12.5	. 87	
Prevalence - Percent of Beneficaries (16)	Section 2016	Gjuning (1833	www.urlthinday	1949.00000		200.017	
2 of the claims-based conditions	86.2	63.3	86.6	71.4	25	7:	
Atrial fibrillation	793	76.6	76.6	57.1	50	50	
Prevention quality indicator (PQI) - Inpatient use per 100,000 (12)						SIM: 41P-1	
Diabetes Long-term Complications (PQI #3)	68,9	36.6	90	28.5	12.5	62.	
Heart Failure (PQI #8)	51.7	76.5	26.6	28.5	75	12.	
Preventive Services Percent of beneficaries - Lower rates problematic (10)							
Annual Wellness Visit	24,1	46.6	10		87.5	12	
Bone Mass Measurement	24.1	53.3	3.3	57.1	87.5	in the second	
Influenza Virus Vaccine	58.6	66.6	43.3	28.5	37.5	12	
Initial Preventive Physical Examination (IPPE)	31	53.3	16.6	42.8	75	12.	
Pneumococcal Vaccine	48.2	30	30	14.2	12.5	12.3	
Prostate Cancer Screening	31	20	80	28.5	25	7!	
Screening Mammography	82.7	10	33.3	14.2	0	50	

County Findings

Pike

- Cause of Death (15)
 - Accidents: All
 - Accidents: Non- Transport
 - Cancer (Malignant Neoplasms): Colon and Rectum
 - Cancer (Malignant Neoplasms): Lung and Bronchus
 - Cancer (Malignant Neoplasms): Total **Malignant Neoplasms**
 - Diseases of Heart: Acute Myocardial Infarction
 - Diseases of Heart: Ischemic Excl. Acute Myocardial Infarction
 - Intentional Self-harm (Suicide) _
- Reproductive Health (9)
 - First Trimester Prenatal Care
 - -Pre-pregnancy - Overweight
 - Pre-pregnancy Underweight
 - _ Unmarried: All ages
- Social Determinants (6)
 - Age 65+ _
 - **Population Not White**

Wavne

- Cause of Death (15)
 - Alzheimer's Disease
 - Cancer (Malignant Neoplasms): All Other Sites
 - Diseases of Heart: Acute Myocardial Infarction
 - **Diseases of Heart: Ischemic Excl. Acute** Myocardial Infarction
 - **Diseases of Heart: Total Diseases of Heart**
 - Influenza & Pneumonia
 - Intentional Self-harm (Suicide)
 - Nephritis, Nephrotic Syn. & Nephrosis
- Reproductive Health (9)
- Social Determinants (6)
 - Age 65+ ----
 - Population Not White

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County Medicare

PIKE MEDICARE

- Average annual total cost riskadjusted (16)
 - Acute myocardial infarction
 - Cancer Lung
 - Depression
 - Stroke/Transient Ischemic Attack _
- Emergency department visit rate per 1,000 beneficiaries (16)
 - Alzheimer's Disease, Related Disorders, or Senile Dementia
 - Depression
- Prevalence Percent of Beneficiaries (16)
 - Atrial fibrillation

- Prevention quality indicator (PQI)
 - Inpatient use per 100,000 (12)
 - Heart Failure (PQI #8)
- **Preventive Services Percent of** beneficiaries - Lower rates problematic (10)
 - Pneumococcal Vaccine
 - **Prostate Cancer Screening**
 - Screening Mammography

County Medicare

WAYNE MEDICARE

- Average annual total cost risk-adjusted (16)
 - NONE
- Emergency department visit rate per 1,000 beneficiaries (16)
 - Stroke/Transient Ischemic Attack
- Prevalence Percent of Beneficiaries (16)
 - Atrial fibrillation
- Prevention quality indicator (PQI) - Inpatient use per 100,000 (12)

- Diabetes Long-term
 Complications (PQI #3)
- Preventive Services Percent of beneficiaries - Lower rates problematic (10)
 - Annual Wellness Visit
 - Bone Mass Measurement
 - Influenza Virus Vaccine
 - Initial Preventive Physical Examination (IPPE)
 - Pneumococcal Vaccine



Community Level Findings Visual Summary

				Com	munity	ļ	·····	
		Forest						
	Carbond		Pike		Pike	Wayne	Wayne	
Commence the Restore	ale Area					Central	North	South
Component/Indicator	(CA)	(FC)	(PE)	(PS)	, ·	(WC)	(WN)	(WS)
Cause of Death	43	29	0	14	- 86	57	100	71
Accidents: All	14	300	71	42	65	57	0	28
Accidents: Non- Transport	0	200	57	85	71	42	14	28
Alzheimer's Discase	66	33	16	0	0	83	100	50
Cancer (Malignant Neoplasms): All Other Sites	0	71	57	14	42	28	85	100
Cancer (Malignant Neoplasms): Colon and Rectum	16	33	66	100	83	50	0	D
Cancer (Malignant Neoplasms): Lung and Bronchus	28	57	100	85.	71	42	0	14
Cancer (Malignant Neoplasms): Total Malignant								
Neoplasms	0	28	100	. 85.	57	14	42	71
Cerebrovascular Disease	16	0	50	0	100	66	83	33
Chronic Lower Respiratory Disease	42	28	14	200	0	57	- 85	71
Diabetes Mellitus	85	28	57	100	42	14	0	71
Diseases of Heart: Acute Myocardial Infarction	42	14	85	0	100	57	28	71
Diseases of Heart: Ischemic Excl. Acute Myocardial								
Infarction	42	100	8 5	C	14	71	57	28
Diseases of Heart: Other Heart Disease		71	14	C	42	28	.100	57
Diseases of Heart: Total Diseases of Heart	42	35.	57	0	71	28	. 100	14
Influenza & Pneumonia	50	. 63	0	0	16	66	-100	33
Intentional Self-harm (Suicide)	42	28	14	71	100	0	85	57
Nephritis, Nephrotic Syn. & Nephrosis	83	16	0	0	33	66	100	50
Reproductive Health	71	86	29	100	57	0	43	14
First Trimester Prenatal Care	29	58	72	100	43	0	85	15
Low birth weight: 1,500 to 2,500 Grams	. 85.	28	14	100	42	57	71	0
No HS Diploma	• 100	42	0	57	71	28	- 95	14
Pre-pregnancy - Obese	14	71	42	100	0	57	85	28
Pre-pregnancy - Overweight	57	28	100	14	85	0	42	71
Pre-pregnancy - Underweight	16	100.	50	66	83	0	0	33
Pregnancy Smoker	. 308	- 85 -	0	14	71	28	57	42
Unmarried: 19 and Under	50	200	16	. 55	66	0	0	33
Unmarried: All ages	\$5.	57	42	100	71	0	14	28
Social Determinants	26 - 1	57	0	LEAT	43	71	29	14
25 +, Less than High School Diploma	71	85	14	57	0	: 100	28	42
Age 65+	14	57	28	0	190	42	85	71
Families Below Poverty	85	71	0	100	28	57	42	14
Families Below Poverty, Single Head of Household with	10 44			6. //ge				22
Children	85.	57	0	100	14	71	42	28
Female: Age 15-44	- 35	42		100	0	71	14	28
Population Not White	57	28	85.	160	71	42	0	14

Findings by Community

Carbondale Area (CA)

- Cause of Death
- Diabetes Mellitus
- Diseases of Heart: Other Heart Disease
- Nephritis, Nephrotic Syn. & Nephrosis
- Reproductive Health
- Low birth weight: 1,500 to 2,500 Grams
- No HS Diploma
- Pregnancy Smoker
- Unmarried: All ages
- Social Determinants *
- Families Below Poverty
- Families Below Poverty, Single Head of Household with Children
- Female: Age 15-44

Forest City Area (FC)

- Cause of Death
- Accidents: All
- Accidents: Non- Transport
- Diseases of Heart: Ischemic Excl. Acute Myocardial Infarction
- Diseases of Heart: Total Diseases of Heart
- Influenza & Pneumonia
- Reproductive Health *
- Pre-pregnancy Underweight
- Pregnancy Smoker
- Unmarried: 19 and Under
- Social Determinants
- 25 +, Less than High School Diploma

* Poor score for component

Pike East (PE)

- Cause of Death
- Cancer (Malignant Neoplasms): Lung and Bronchus
- Cancer (Malignant Neoplasms): Total Malignant Neoplasms
- Diseases of Heart: Acute Myocardial
 Infarction
- Diseases of Heart: Ischemic Excl. Acute Myocardial Infarction
- Reproductive Health
- Pre-pregnancy Overweight
- Social Determinants
- Population Not White

Pike West (PW)

- Cause of Death *
- Accidents: All
- Cancer (Malignant Neoplasms): Colon and Rectum
- Cerebrovascular Disease
- Diseases of Heart: Acute Myocardial
 Infarction
- Intentional Self-harm (Suicide)
- Reproductive Health
- Pre-pregnancy Overweight
- Pre-pregnancy Underweight
- Social Determinants
- Age 65+

* Poor score for component

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Pike South (PS)

- Cause of Death
- Accidents: Non- Transport
- Cancer (Malignant Neoplasms): Colon and Rectum
- Cancer (Malignant Neoplasms): Lung and Bronchus
- Cancer (Malignant Neoplasms): Total Malignant Neoplasms
- Chronic Lower Respiratory Disease
- Diabetes Mellitus
- Reproductive Health *
- First Trimester Prenatal Care

- Low birth weight: 1,500 to 2,500 Grams
- Pre-pregnancy Obese
- Unmarried: 19 and Under
- Unmarried: All ages
- Social Determinants ^
- Age 65+
- Families Below Poverty
- Families Below Poverty, Single Head of Household with Children
- Female: Age 15-44
- Population Not White

* Poor score for component

Wayne Central (WC)

- **Cause of Death**
- Alzheimer's Disease
- **Reproductive Health**
- Social Determinants
- 25 +, Less than High School Diploma

Wayne South (WS) **

- Cause of Death **
- Cancer (Malignant Neoplasms): Other Sites
- Cancer (Malignant Neoplasms): Colon and Rectum
- Cancer (Malignant Neoplasms): Total Malignant Neoplasms
- Chronic Lower Respiratory Disease
- **Diabetes** Mellitus
- Diseases of Heart: Acute Myocardial Infarction
- **Reproductive Health**
- Pre-pregnancy Overweight

Social Determinants

* Poor score for component - 25%. ** Poor score - 30%

Age 65+

Wayne North (WN)

- Cause of Death *
- Alzheimer's Disease
- Cancer (Malignant Neoplasms): Other Sites
- Cerebrovascular Disease
- Chronic Lower Respiratory Disease
- Diseases of Heart: Other Heart Disease
- Diseases of Heart: Total Diseases of Heart
- Influenza & Pneumonia
- Intentional Self-harm (Suicide)
- . Nephritis, Nephrotic Syn. & Nephrosis
- **Reproductive Health**
- First Trimester Prenatal Care
- No HS Diploma
- Pre-pregnancy Obese
- Social Determinants
- 25 +, Less than High School Diploma
- Age 65+

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Insights

Survey

Total Responses: 947 Complete Responses: 895 (94.5%) Comments: 301 **Key Findings:**

- ٠ Employment Status
- Community of Residence
- Primary Doctor/Time since Last Appointment/Appointment Scheduling
- Additional Capacity/Health or Behavioral/ Supportive Services
- Specialists
- Children and Youth/Additional Capacity
- Social Determinants/Barriers/ Transportation/Safety
- COMMENTARY SYNOPSIS

Interviews

Organizational Types: 7

- **Behavioral Health** 4 **Business** 1 **Community Organizations** 7 Consumer 7 **Elected Officials** 4 Health Services 12 Schools 6 Total 41 **Unmet Need Topics: 7**

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Access 3 Behavioral Health 10 Health Services 25 Mental Health 23 Substance Abuse 12 Social Determinants 37 Outreach/Education 5 Total 115

Survey Components, Topics and Number of Questions (Includes PRAPARE)

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Additional Primary Care Needs Additional Primary Care Needs 1 **Children and Youth Needs** Children and Youth Needs 3 Demographics Demographics 9 Ethnicity • 2 • Migrant Worker 1 . Veteran 1 . Language Fluency 1 • Family Composition 1 Housing 2 . Education 1 Employment . 1 • Insurance Coverage 1 Income . 1 . Legal detainment 1 Refugee . 1

•	ER A	locess	
	•	ER Access 1	
•	Heal	lth or Behavioral Health Service Ne	eds
	•	Health or Behavioral Health Servi	ce
		Needs	1
٠	Prim	ary Care Access	
	•	Primary Care Access	3
•	Qua	lity of Care	
		Quality of Care	3
٠	Socia	al Environment	
	•	Services Need	1
	•	Transportation	1
	•	Social Contact	1
	٠	Stress	1
	•	Safety	1
	•	Violence	1
•	Spec	ialty Care Needs	
	٠	Specialty Care Needs	4
٠	Supp	ortive Services Needs	
	•	Supportive Services Needs	2

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Survey Findings

Age

Answer Choices	Respons	es
Under 18	0.21%	2
18 to 44	28.62%	269
45 to 54	25.11%	236
55 to 64	23.83%	224
65 to 74	16.28%	153
75+	5.96%	56
Д	Answered	940
S	skipped	7

Sex at Birth

Answer Choices	Responses	
Male	19.85%	186
Female	80.15%	751
Ans	wered	937
Skip	oped	10

Community

Carbondale Area	5.00%	47	0.23%	20465
Eastern Pike Southern Pike	4.36% 1.38%	41 13	0.15% 0.12%	27935 11061
Western Pike	12.77%	120	0.62%	19390
Central Wayne	35.85%	337	1.69%	19915
Northern Wayne	16.28%	153	3.30%	4641
Southern Wayne	14.15%	133	0.75%	17720
Forest City Area	4.15%	39	0.49%	7906
	Answered	940	0.73%	129033
	Skipped	7 na	na	

Occupation

with the state of the second state of the seco

ed 17
ered 930
76% 500
83% 17
17% 76
41% 320
15% 20
73% 44
Responses

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Primary Care Practitioner

Answer Choices	Respons	BS	
Yes	95.42%	895	
No	1 68%	43	
	Answered	938	
	Skipped	9	
Last Seen	••		
Answer C	hoices	Respor	ISES

A	Skipped	33
	Answered	914
more than three years ago	2.84%	26
between two and three years ago	3.61%	33
between one and two years ago	8.75%	80
within the last year	84.79%	775

Access to appointments

Answer Choices	Response 45.80%	95 425
within to two to three weeks within three to four weeks	25.54%	237
more than a month	6.90% 16.81%	64 156
unsure /	4.96% Answered	46 928
	skipped	19

Outpatient Needs - Those over 10% Critical Need

	Critical unmet	need
Mental health services - inpatient	41.58%	378
Mental health services - crisis services	40.77%	371
Mental health services - outpatient	40.70%	370
Substance abuse services - inpatient services	36.64%	332
Substance abuse services - crisis services	35.61%	323
Substance abuse services - outpatient services	34.73%	315
Services for tick borne Illnesses including Lyme Disease	30.09%	275
Urology	23.49%	210
Specialists for cancer	22.96%	208
Neurology	21.40%	193
Other	18.60%	80
Specialists for heart disease	17.96%	162
Primary Care for the Elderly - Gerontology	16.89%	153
Specialists for diabetes	15.59%	140
Specialty Care via telemedicine linkage to larger hospitals	15.06%	136
Complementary (Alternative) medicine	13.39%	122
Emergency medical services: emergency room	12.64%	115
Emergency medical services: ambulance	12.53%	114
Primary care services (family medicine)	12.10%	110
Ear/Nose/Throat	11.73%	106
Specialists for breathing problems	11.18%	101

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Supportive Services Need

	Critical unme	t need
Behavioral health related counseling/assessment	34.22%	308
Behavioral health case management	26.97%	243
Transportation	23.09%	208
Behavioral health case management Transportation Medical/health counseling/assessment	22.09%	197
Outreach to increase nublic awareness of nrograms	18.27%	165
Help understanding recommended medical care	14.38%	129
In-home assessment of the need for health related home improvements	13.95%	125
Help in making a residence compatible with mobility, hearing or visual		
needs	12.72%	114
Health or medical case management	12.37%	111
Translation	10.99%	98
Health education	10.89%	97
needs Health or medical case management Translation Health education Support groups	10.38%	93

Primary Care Expansion

People with no insurance Seniors	Critical unmel	need
People with no insurance	26.15%	233
Seniors	25.31%	226
Improved access for youth raised by their grandparents	24.16%	215
People with low incomes	23.96%	213
People with inadequate health insurance	23.43%	209
Teens	17.63%	155
Teenage parents	17.40%	154
Pre-teens	15.03%	132
Teenage parents Pre-teens Adults	14.75%	128
People eligible for Medicaid Women of childbearing age	13.27%	117
Women of childbearing age	9.30%	82

Specialists

	- A.M	
	Critical unmet	
Mental Health Services	48.75%	429
Psychiatrists	47.09%	412
Substance Abuse Services	44.27%	386
Tick borne illnesses	39.61%	349
Skin problems - Dermatologists	34.86%	305
Cancer - Oncologists	31.67%	279
Urologists	30.57%	265
Neurologists - Nerve diseases	29.54%	257
Primary Care for the Elderly - Geriatricians	26.87%	234
Diabetes - Endocrinologists	26.71%	231
Nephrologists - Kidney diseases	25.32%	217
Rheumatologists	23.27%	199
Heart Disease - Cardiologists	22.93%	199
Pain Management	21.91%	190
Bone or Skeletal Injuries - Orthopedic Surgeons	16.82%	145
Ophthalmologists - Eye Diseases	10.72%	92

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Specialty Use Outside of Area

	Inpatient Ca	ле	Outpatient	Care
Diabetes - Endocrinologists	8.60%	8	91.40%	85
Ophthalmologists - Eye diseases	11.56%	17	90.48%	133
Tick borne illnesses	11.25%	9	90.00%	72
Skin problems - Dermatologists	11.61%	36	89.35%	277
Primary Care for the Elderly - Geriatricians	23.53%	8	88.24%	30
Pain Management	15.29%	13	87.06%	74
Rheumatologists	15.15%	15	86.87%	86
Urologists	24.18%	37	84.97%	130
Neurologists - Nerve diseases	22.97%	34	84.46%	125
Mental Health Services	29.55%	26	84.09%	74
Bone or Skeletal Injuries - Orthopedic Surgeons	31.87%	87	81.32%	222
Psychiatrists	28.57%	22	80.52%	62
Cancer - Oncologists	44.67%	67	78.67%	118
Heart Disease - Cardiologists	43.26%	93	73.95%	159
Nephrologists - Kidney diseases	36.84%	21	73.68%	42
Substance Abuse Services	61.54%	16	61.54%	16

Children and Youth Needs

	Highly Impo	rtant
Substance abuse	79.08%	707
Suicide	75.44%	679
Texting while driving	73.80%	659
Depression or anxiety	70.95%	640
Vaping	67.30%	603
Alcohol abuse	62.40%	561
Tobacco	59.93%	534
Bullying	57.96%	517
Sexually transmitted diseases, including HIV infection	56.18%	500
Reckless behavior causing accidents and injuries	55.44%	494
Overweight	53.09%	473
Unintended pregnancy	52.61%	464
Unhealthy diet	50.39%	449
Internet safety	50.23%	445
Lack of exercise (couch potatoes)	49.50%	442
After school programs	47.90%	421
Teen sexuality	45.81%	405
Sensitivity to differences of other children	44.57%	394
Sexual identity	33.97%	301
Speech or Hearing	31.51%	277

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Children and Youth - Vulnerable Groups

	Critical unme	t need
Youth who have been abused physically or sexually	39.64%	348
Parents or grandparents of troubled youth	39.59%	346
Adolescents	36.58%	319
Autistic children and youth	33.06%	287
Youth with eating disorders	29.43%	256
Young children	29.34%	255

Children and Youth Behavioral Health Needs

	Critical unme	t need
Oploid treatment services	45.81%	399
Crisis services	42.58%	370
Child psychiatry	42.11%	368
Psychiatric medication maintenance	40.78%	354
Psychiatric inpatient care	40.21%	349
Structured day treatment programs	27.76%	239
Coordination of care with schools	25.93%	224
Court order residential placement	23.01%	197
Emergency room services	22.44%	191

Quality of Care - Improvement

	Improve	d	Decline	d
Emergency Room Services	35.13%	313	18.18%	162
Inpatient Hospital Care	27.43%	240	10.97%	96
Specialty Services	19.20%	168	21.37%	187
Collaboration with other hospitals to provide				
specialty care	18.44%	161	15.81%	138
Primary Care Providers	16.74%	147	26.31%	231
Hospice Care	16.63%	145	5.85%	51
Home Care	15.45%	135	10.30%	90
Women's Health	14.81%	129	12.97%	113
Substance Abuse Services	11.49%	100	22.07%	192
Mental Health Services	9.92%	87	31.58%	277
Nursing Home Care	6.53%	57	17.53%	153

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Promoting Healthy Life Styles

	Highly Impo	rtant
Schools	67.96%	615
Schools Families	88.07%	797
Faith based organizations	33.33%	299
Civic groups or clubs	25.36%	227
County government Primary care providers Local media Local businesses Social Media	28.49%	253
Primary care providers	70.92%	639
Local media	29.45%	263
Local businesses	21.53%	191
Social Media	36.10%	322
Local Government (town councils, etc.)	25.51%	227
Other	9.72%	24

Health Insurance (PRAPARE)

	Response	95
None/uninsured	1.80%	16
Medicaid	2.36%	21
CHIP Medicaid	0.00%	0
Medicare	17.53%	156
Other public insurance (CHIP)	1.69%	15
Other public insurance (not CHIP)	3.93%	35
Private insurance	72.70%	647

Income (PRAPARE)

Answer Choices	Respons	es
Choose not to disclose	20.52%	158
\$0-\$10,999	1.69%	13
\$11,000-\$20,999	2.21%	17
\$21,000-\$30,999	3.38%	26
\$31,000-\$40,999	7.40%	57
\$41,000-\$50,999	7.53%	58
\$51,000-\$60,999	5.97%	46
\$61,000-\$70,999	5.19%	40
\$71,000-\$80,999	7.27%	56
\$81,000-\$90,999	6.88%	53
\$91,000-\$100,999	7.27%	56
\$101,000 and above	24.68%	190

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Unmet needs (PRAPARE)

Answer Choices	Response	S
No - we have been able to get things when really needed Food	89.72%	759
Food	2.13%	18
Clothing	1.89%	16
Utilities	2.72%	23
Child Care	1.42%	12
Medicine or Any Health Care (Medical, Dental, Mental Health, Vision) Phone	6.74%	57
Phone	1.06%	9
Other (please write):	2.60%	22

Transportation Barrier to Care (PRAPARE)

Answer Choices Yes, it has kept me from medical appointments or from getting	Response	S
Ves it has kent me from non-medical mediate appointments	1.47%	13
work, or from getting things that I need	2.72%	24
	95.47%	843
I choose not to answer this question	0.91%	8
Α	nswered	883

Meaningful interpersonal Interactions (PRAPARE)

Answer Choices	Response	S
Less than once a week	6.09%	54
1 or 2 times a week	13.32%	118
3 to 5 times a week	18.51%	164
5 or more times a week	59.37%	526
I choose not to answer this question	2.71%	24

Stress (PRAPARE)

Answer Choices Score Not at all 1/5	Response	S
Not at all 1/5	12.97%	115
A little bit 2/5	28.41%	252
Somewhat 3/5	28.64%	254
Quite a bit 4/5	16.35%	145
✓ Very much 5/5 I choose not to answer this question 0/5	10.82%	96
I choose not to answer this question 0/5	2.82%	25

Personal safety (PRAPARE)

Answer Choices Score	Responses	
Yes 0/1	95.25%	843
	2.49%	22
I choose not to answer this		
question 0/1	2.26%	20

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Regional Priorities Survey and Interview Commentary

Stark differences in Needs Comments

- 40 interviews: 181 comments, 129 comments on needs
 - General discussions lasting from 10 minutes to 60 minutes which explored the basis of perception of need and potential approaches as well as related descriptive information
 - Interviews heavily favored behavioral health (including mental health and substance abuse) and social factors as key problems
- 947 surveys: 304 comments on needs
 - A combination of specific statements and generalities
 - Survey comments, although referencing behavioral health needs, emphasized the need for specialists and on consumerism; social factors were less prevalent
 - Survey questions on service and specialty needs, and quality provide additional perspectives on those respective issues



The percent is the percent of comments for each major category within each instrument. Minimal overriding consensus on separate comments.

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• Behavioral health, mental health and substance abuse

- Interviewees cited increased needs in these areas for children and youth (special programming), seriously persistently mentally ill (housing, ER resources), and opioid abuse
- Lack of psychiatrists, especially child psychiatrists was noted
- The availability of counseling types of services within primary care settings was noted especially for people with chronic conditions
- Survey questions documented high need in general as well as specific service needs of children and youth
- Data in the Pennsylvania Youth Study (PAYS) documents alcohol, tobacco and other drugs (ATOD) trends and needs in the area for Pike and Wayne County Youth

- Specialists and Consumerism
 - Numerous comments were made about the need for more specialists
 - Individual survey questions supported this opinion
 - General comments about "consumerism" were varied
 - No overriding consensus on individual areas in need of improvement
 - Areas covered included health care policy, philosophy of care, and personal experiences

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• Social Determinants

- Interviewees often cited social factors as key influences on health and behavioral health services needs
 - In general, the need for supportive services were increasing due to increases in homelessness, levels of domestic violence and abuse, unwed mothers, and young parents; and the lack of affordable housing, transportation, marketable training or skills, and recreational activities,
 - Yet, the high level of perceived need also seemed to be related to respondents greater attention to social determinants as key influences of health and mental health well-being
 - Higher costs and use of services by people with low incomes covered by Medicare also reinforces the need for supportive services
 - Social determinant related program expansion may have special relevance to the PA Rural Health Model initiative

2016 CHNA Impact Highlights

1. Chronic Disease

- Various interventional protocols are under evaluation.
- Quality improvement HRSA grant app. prepared. WMH and WMCHC have partnered with Geisinger School of Medicine and Wright Center GME to submit a grant proposal to HRSA to establish a Rural Residency Program at WMH.
- Numerous support groups meet every two weeks for chronic disease conditions.
- WMH' s community health dept.
 is assessing the need for new
 programming beyond established
 ongoing efforts, including need
 for drug/alcohol abuse, smoking
 cessation, diabetes control,
 weight control exercise.

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2. Demographics

- Support Group for grandparents raising grandchildren
- WMCHC updates sliding fee scale annually per BPHC guidelines.
- WMH and WMCHC regularly refer patients in need of financial assistance and medical coverage to the county assistance offices.
- WMH has implemented a prepayment program for patients.

3. Services --- Mental health services

- A warm handoff protocol was implemented following the 2016 CHNA. WMCHC has revised recruiting plan utilizing professional recruiters, resulting in the addition of a new psychiatrist and 3 new mid-level behavioral health providers since 2016.
- WMH and WMCHC offer very competitive salaries to attract/ retrain caregivers. WMH and WMCHC utilize recruitment bonuses for many high need provider positions.
- WMH is evaluating the possibility of implementing a Geriatric Psychiatry program in the hospital in 2020. WMH is evaluating the use of telepsychiatry in the ER and inpatient areas of the hospital.
- WMH' s community health dept. is assessing the need for new programming beyond established ongoing efforts, including need for drug/alcohol abuse, smoking cessation, diabetes control, weight control exercise.

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4. Services ---- Primary care service development

- A recruitment/retention plane for providers is in place and now includes the possibility of establishing a family practice residency program via a HRSA planning grant this year.
- The WMH/WMCHC relationship is very strong and ongoing. A change in that relationship is never discussed.
- WMCHC opened a new family Health Center in Forest City this spring to replace a smaller outdated center closing in Vandling, Susquehanna County.

- WMCHC is in the process of expanding services at the Hamlin FHC and has applied fro HRSA funding to increase dental services in Pike Dental Clinic.
- WMH and WMCHC has partnered with Geisinger School of Medicine and Wright Center Graduate Medical Education and submitted a grant proposal to the Federal Health Resources and services Administration to establish a Rural Residency Program at WMH.

- 5. Services --- Specialty care
- Discussions are ongoing about collaborating with tertiary care hospitals in various programs: residency, psychiatry, cardiology, e.g.
- WMH and WMCHC are evaluating the potential for recruiting a number of specialists including, dermatology, gerontology,

urology and surgeons.

6. Services --- Substance abuse disorder services

- Recruitment of psychiatrist with opioid specialization is underway. Warm Handoff was implemented following 2016 CHNA.
- WMCHC provides regular Medication Assisted Treatment (MAT) for substance use disorder.

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7. Services --- Tick borne illnesses

- A new WMCHC tick-borne disease clinic was opened in Pike County
- New lab testing has been added.

Contact Information

Jack Dennis Executive Director Wayne Memorial Foundation 601 Park Street Honesdale, PA 18431 Phone: (570) 251–6533 Fax: (570) 253–8993 Email: <u>dennis@wmh.org</u>

Prepared by HMS Associates Gregory Bonk, President 2280 Millersport Highway P O Box 374 Getzville, NY 14068 Web: <u>www.askhms.com</u> Tel: (716) 868-6448 Fax: (716) 689 – 6038 Email: <u>gregorybonk@me.com</u> or Consulthms@aol.com