



**Managed Care Organization
Outcomes Program
Report to the Pennsylvania
General Assembly**

February 28, 2020

**Commonwealth of
Pennsylvania Department of
Human Services**



pennsylvania
DEPARTMENT OF HUMAN SERVICES

MAKE TOMORROW, TODAY



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INTRODUCTION AND BACKGROUND

The Act of June 22, 2018 (P.L. 258, No. 40) (Act 40) contained provisions referred to as the Health Care Outcomes provisions¹, that required the Department of Human Services (Department) to establish Medicaid outcomes-based programs within the Commonwealth's Medical Assistance (MA) program to provide hospitals and MA managed care organizations (MCOs) with information to reduce potentially avoidable events (PAEs) and further increase efficiency in Medicaid hospital services.

The Health Care Outcomes provisions define the following PAEs:

- Potentially avoidable readmissions (PAR).
- Potentially avoidable admissions (PAA).
- Potentially avoidable complications (PAC).
- Potentially avoidable emergency visits (PAV).

This report is intended to provide an overview of the MCO Outcomes program to the General Assembly. As this is the first year of the program, a year over year comparison is not available. However, the baseline data is provided, and is delivered in a detailed graphical format to allow MCOs and the Department to gain greater insight into the current findings in order to take necessary action to improve performance in the future. The findings are presented by geographical zone as defined in the Department's Physical Health HealthChoices program.

¹ 62 P.S. §§ 501-a–536-a.

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OVERVIEW OF LEGISLATIVE REQUIREMENTS

The Health Care Outcomes provisions include several requirements. One of the requirements is for the Department to conduct an analysis of the Medicaid Program and produce a report describing how hospitals and MCOs can improve efficiency and outcomes by reducing PAEs. The Department conducted the required analysis and produced a report titled “Comprehensive Analysis Health Care Outcomes Report to the Pennsylvania General Assembly.” This report, which provides a detailed description of the legislative requirements, the methodology used to select PAEs, the results of the analysis and recommendations, was delivered to the General Assembly on December 31, 2019. For more information regarding the Comprehensive analysis, please refer to the full report which can be found at the following location:

<https://www.dhs.pa.gov/docs/Publications/Pages/Highlighted-Reports.aspx>

A second requirement in the Health Care Outcomes Provisions is that the Department provide a progress report to the General Assembly by March 1, 2020 and each March 1 thereafter. This document titled “Managed Care Organization Outcomes Program” serves as the first report. As this is the first year of the analysis, there is one year of data included as the baseline results. Therefore, year over year data comparisons are not available and are not included in the report. A hospital outcomes program report is also required and will be provided as a separate report titled “Hospital Outcomes Program.”

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SELECTION OF POTENTIALLY AVOIDABLE EVENT METHODOLOGY

The Department is required to select a clinical categorical PAE methodology that will provide performance information on both the aggregate and case level. The methodology must include risk adjustment scoring to account for patient severity of illness and the population chronic illness burden. Mercer, the Commonwealth's independent actuary who prepared this analysis, has developed the suite of clinical efficiency algorithms which was selected as the methodology for identifying the PAEs of PAR, PAA and PAV. Mercer worked under the direction of the Department to leverage the clinical efficiency algorithms to meet the requirements of the Health Care Outcomes provisions.

DATA SOURCES

Mercer utilized Physical Health (PH) HealthChoices encounter data for beneficiaries served through the managed care program. In order to align with the data utilized in the development of calendar year (CY) 2020 PH HealthChoices managed care capitation rates, the encounter data used in this analysis includes services provided to MCO beneficiaries for service dates January 1, 2017 through December 31, 2017.

POTENTIALLY AVOIDABLE EVENT PROCESS

Each PAE is identified following an established process described below. For a more detailed description regarding the PAE process and corresponding analysis, please refer to the complete Comprehensive Analysis produced on December 31, 2019.

Potentially Avoidable Readmissions

The readmission analysis considers all hospital readmissions within 30 days of a previous discharge for the same beneficiary at any facility and any diagnosis-related group. Mercer applied exclusionary criteria for certain conditions referred to as clinical global exclusions (e.g., indications of trauma, cancer, burns, HIV/AIDS). These clinical global exclusions are made for conditions and situations that may require more complex treatment for beneficiaries. Any beneficiary identified as having a clinical global exclusion is excluded from both PAR and PAA analyses.

Potentially Avoidable Admissions

The admissions analysis considers indicators developed by the Agency for Healthcare Research and Quality (AHRQ) and includes select prevention quality indicators (PQIs) and pediatric quality indicators (PDIs).² Mercer has selected 12 adult and five pediatric indicators in this analysis.

In addition to the criteria specified by AHRQ, similar to the process described related to PAR, Mercer has a process to exclude beneficiaries with a condition that is considered a clinical global exclusion.

Potentially Avoidable Emergency Visits

The visits analysis considers emergency department (ED) utilization to identify instances of PAV. These are referred to as low-acuity non-emergent (LANE) visits. The criteria used to define LANE ED visits is based on publicly available studies, as well as input from both the Department's and Mercer's clinical staff, and physicians with training and experience in primary care, urgent care and emergency medicine.

Zone Criteria

For purposes of this analysis, the results are calculated on a statewide basis and by geographical zone as defined in the Department's PH HealthChoices program. The MCO results are assigned to a geographical zone based on MCO assignment.

Risk Adjustment

The Health Care Outcomes provisions require risk adjustment scoring to account for severity of illness and population chronic illness burden. To account for the acuity differences inherent in the data, Mercer calculated the acuity following one of two methods based on the data source being utilized (inpatient or ED data). These acuity factors were not directly applied within the results but are instead, intended to inform the overall acuity level of the events being analyzed.

² AHRQ, Quality Indicator Resources. Available at <https://www.qualityindicators.ahrq.gov/Modules/default.aspx>
[Accessed 29 Jan. 2020. Version 7.0 logic selected for this analysis.]

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MANAGED CARE ORGANIZATION RESULTS BASELINE

An evaluation of the baseline data suggests opportunities exist to improve the efficiency of how care and services are delivered. The accompanying information is provided in graphical format by geographical zone to assist the Department and MCOs in the identification of opportunities to develop interventions that will improve patient care and decrease avoidable cost.

The table below summarizes the baseline results of the PAEs applicable to MCOs, including PAR, PAA and PAV.

TABLE 1 — MCO RESULTS FOR PAE AND COST

DESCRIPTION OF PAEs	NUMBER OF PAEs	% OF ADMITS/VISITS	COST ASSOCIATED WITH PAEs*	% OF INPATIENT/ED COST
Potentially avoidable readmissions	4,396	1.7%	\$40,913,360	1.8%
Potentially avoidable admissions	14,726	5.8%	\$98,938,985	4.3%
Potentially avoidable emergency visits	371,049	21.3%	\$70,801,509	12.6%
Total	390,171		\$210,653,854	

* Results in the table may differ from results provided directly to the MCOs as part of rate setting, as costs associated with PAEs are displayed prior to replacement costs and/or targeted efficiency levels.

The Department's efficiency adjustments took into account the \$210.7 million as part of the rate setting process. Over the past five years, the Department has reduced capitation rates in PH HealthChoices by more than \$1 billion for inefficient costs.

In order to provide the baseline data in a format that will provide the most descriptive information, the baseline results are graphically displayed by PAE and by zone in Appendices A–C.

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NEXT STEPS

The analyses included in this report address the requirements of Health Care Outcomes provisions regarding development of a MCO Outcomes Program.

The MCO level analyses will be completed and ready for distribution to each MCO in the second calendar quarter of 2020. A template of the analysis that will be provided to each MCO is included as Appendix E.

APPENDIX A

POTENTIALLY AVOIDABLE READMISSIONS

CONTENTS

TABLE #	TABLE TITLE
1	Total Events
2	Total Dollars
3	All Patient Refined-Diagnosis Related Group (APR-DRG) Case Mix Index
4	Events and Dollars by Rate Cell
5	Events and Dollars by Age Band and Gender
6	Events and Dollars by Top 10 APR-DRG

The tables identified above are included for each zone. Zone results are displayed in the following order: Southeast, Southwest, Lehigh/Capital, Northeast and Northwest.

Detailed Description of Tables

Table 1 — displays the total number of PAR as a percent of total inpatient hospital admissions. This value is displayed at both the zone and statewide level.

Table 2 — displays the total expenditures related to PAR as a percent of total inpatient hospital expenditures. This value is displayed at both the zone and statewide level.

Table 3 — displays the average APR-DRG Case Mix Index for those admissions identified as PAR at the zone and statewide level.³ Also displays the APR-DRG average Case Mix Index for all admissions at the zone and statewide level.

Table 4 — displays the total number of PAR as a percent of total hospital inpatient admissions by rate cell. This value is displayed at both the zone and statewide level.

³ APR-DRGs classify patients according to their reason of admission. Each APR-DRG is assigned a value weight for severity of illness and risk of mortality. The Case Mix Index is calculated by aggregating all assigned value weights and dividing by the number of admissions.

Table 5 — displays the total number of PAR as a percent of total inpatient hospital admissions by age band and gender. These values are displayed at both the zone and statewide level.

Table 6 — displays the 10 most frequent diagnosis (APR-DRG) in the zone that result in PAR within the zone. These values are displayed at both the zone and statewide level.

Additional Notes Regarding Data

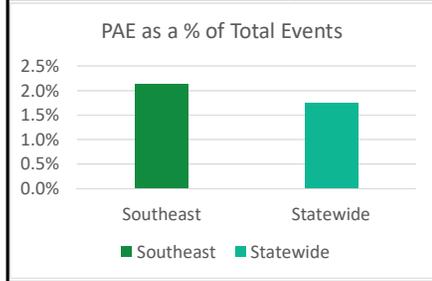
1. Admits and dollars for CY 2017 service dates are based on PH-MCO encounter data submitted through September 30, 2018.
2. Inpatient is defined as admits with a claim type of "I" or "A".
3. APR-DRGs are assigned by PROMISE system and represent a mix of APR-DRG versions 34 and 35 depending on discharge date. Case Mix Index reflects the average APR-DRG relative value weight of all admissions. If APR-DRG relative value weight was not present on the claim, an average relative value weight was assigned. These average relative value weights were calculated at the hospital level.
4. There are always at least two admissions related to a PAR. The first admission is referred to as the “anchor admission”. When the beneficiary is discharged and admitted again within 30 days, the subsequent admission is referred to as a “readmission”. The PAR APR-DRG is assigned based on the anchor admission.
5. Replacement costs are not considered in this analysis.
6. Age and gender are assigned using PROMISE eligibility data.
7. Encounters with revenue code 0762 and no room and board code, indicating an observation stay, were excluded from PAR.
8. Readmissions are defined as inpatient hospital admissions within 30 days of an admission for the same beneficiary with any DRG at any facility. Not all readmissions within 30 days are considered potentially avoidable. Therefore, Mercer clinicians review readmissions (line by line) to determine if the readmission should be considered potentially avoidable. An admission is not considered potentially avoidable when:
 - A. Beneficiary has a qualifying clinical global exclusion diagnosis (examples include trauma and malignancies).
 - B. Beneficiary is three years of age and under or 85 years of age and older.
 - C. Beneficiary has a qualifying outpatient encounter between admissions.
 - D. Beneficiary was discharged due to death or to hospice.

9. Beneficiaries eligible for Community HealthChoices are excluded from analysis.
10. PAR values displayed are post clinical global exclusions and clinical review. Targeted efficiency levels are not applied.

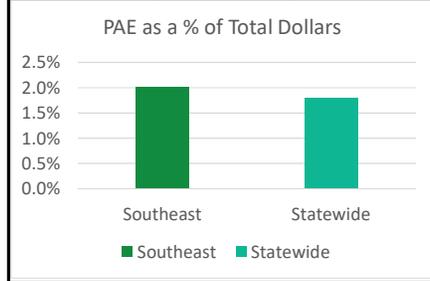
Appendix A

PAE Analysis:	Potentially Avoidable Readmissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Southeast

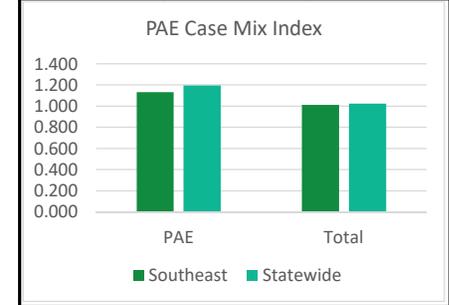
1. Total Events		
	Southeast	Statewide
PAE	2,071	4,396
Total	96,791	252,457
PAE %	2.1%	1.7%



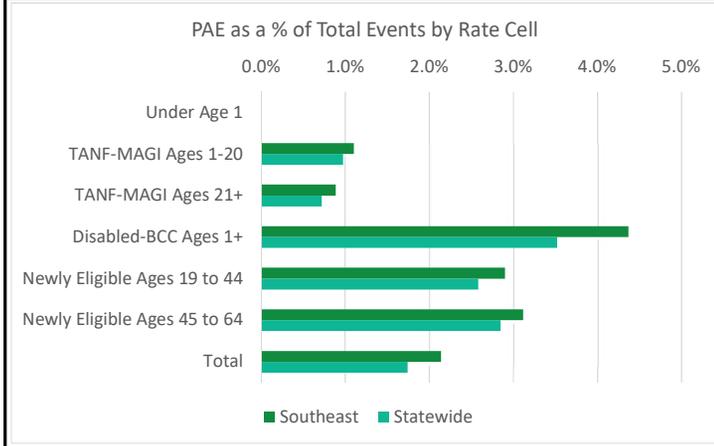
2. Total Dollars		
	Southeast	Statewide
PAE	\$ 19,120,424	\$ 40,913,360
Total	\$ 948,570,781	\$ 2,287,428,422
PAE %	2.0%	1.8%



3. APR-DRG Case Mix Index		
	Southeast	Statewide
PAE	1.130	1.197
Total	1.011	1.021



4. Events and Dollars by Rate Cell

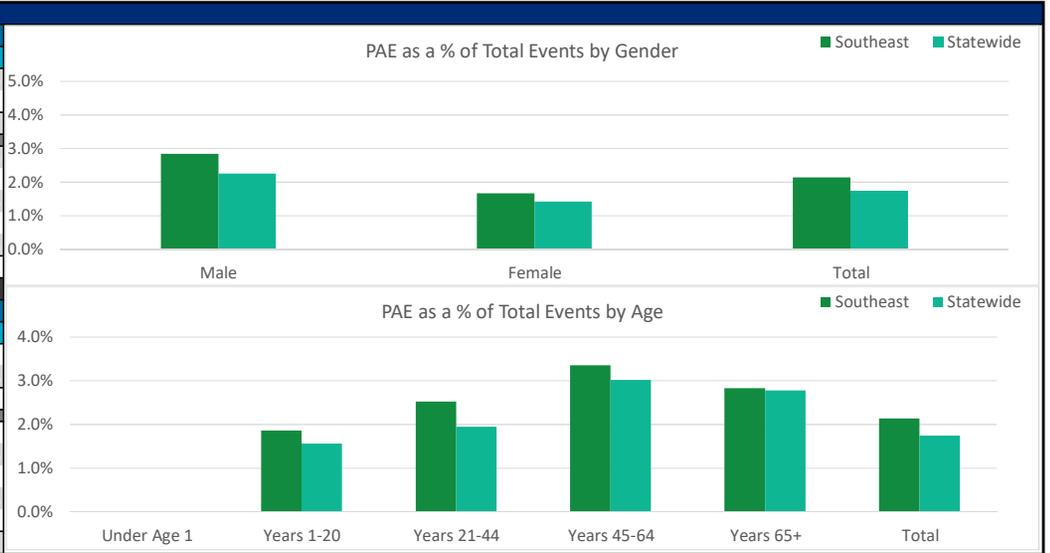


Rate Cell	Southeast			Events			Dollars		
	Total	PAE	% of Total	Total	PAE	% of Total	Total	PAE	% of Total
Under Age 1	19,376	-	0.0%	19,376	-	0.0%	\$ 180,174,865	\$ -	0.0%
TANF-MAGI Ages 1-20	9,159	101	1.1%	9,159	101	1.1%	\$ 80,152,517	\$ 1,101,754	1.4%
TANF-MAGI Ages 21+	18,345	163	0.9%	18,345	163	0.9%	\$ 113,697,568	\$ 1,229,412	1.1%
Disabled-BCC Ages 1+	22,757	994	4.4%	22,757	994	4.4%	\$ 288,665,699	\$ 9,730,601	3.4%
Newly Eligible Ages 19 to 44	15,273	443	2.9%	15,273	443	2.9%	\$ 140,415,954	\$ 3,184,515	2.3%
Newly Eligible Ages 45 to 64	11,881	370	3.1%	11,881	370	3.1%	\$ 145,464,177	\$ 3,874,141	2.7%
Total	96,791	2,071	2.1%	96,791	2,071	2.1%	\$ 948,570,781	\$ 19,120,424	2.0%

Rate Cell	Statewide			Events			Dollars		
	Total	PAE	% of Total	Total	PAE	% of Total	Total	PAE	% of Total
Under Age 1	56,621	-	0.0%	56,621	-	0.0%	\$ 422,565,208	\$ -	0.0%
TANF-MAGI Ages 1-20	20,853	203	1.0%	20,853	203	1.0%	\$ 175,679,399	\$ 2,645,020	1.5%
TANF-MAGI Ages 21+	50,392	364	0.7%	50,392	364	0.7%	\$ 282,650,032	\$ 3,188,690	1.1%
Disabled-BCC Ages 1+	56,651	1,994	3.5%	56,651	1,994	3.5%	\$ 708,968,224	\$ 19,588,985	2.8%
Newly Eligible Ages 19 to 44	37,450	967	2.6%	37,450	967	2.6%	\$ 330,591,843	\$ 7,171,061	2.2%
Newly Eligible Ages 45 to 64	30,490	868	2.8%	30,490	868	2.8%	\$ 366,973,717	\$ 8,319,604	2.3%
Total	252,457	4,396	1.7%	252,457	4,396	1.7%	\$ 2,287,428,422	\$ 40,913,360	1.8%

PAE Analysis:	Potentially Avoidable Readmissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Southeast

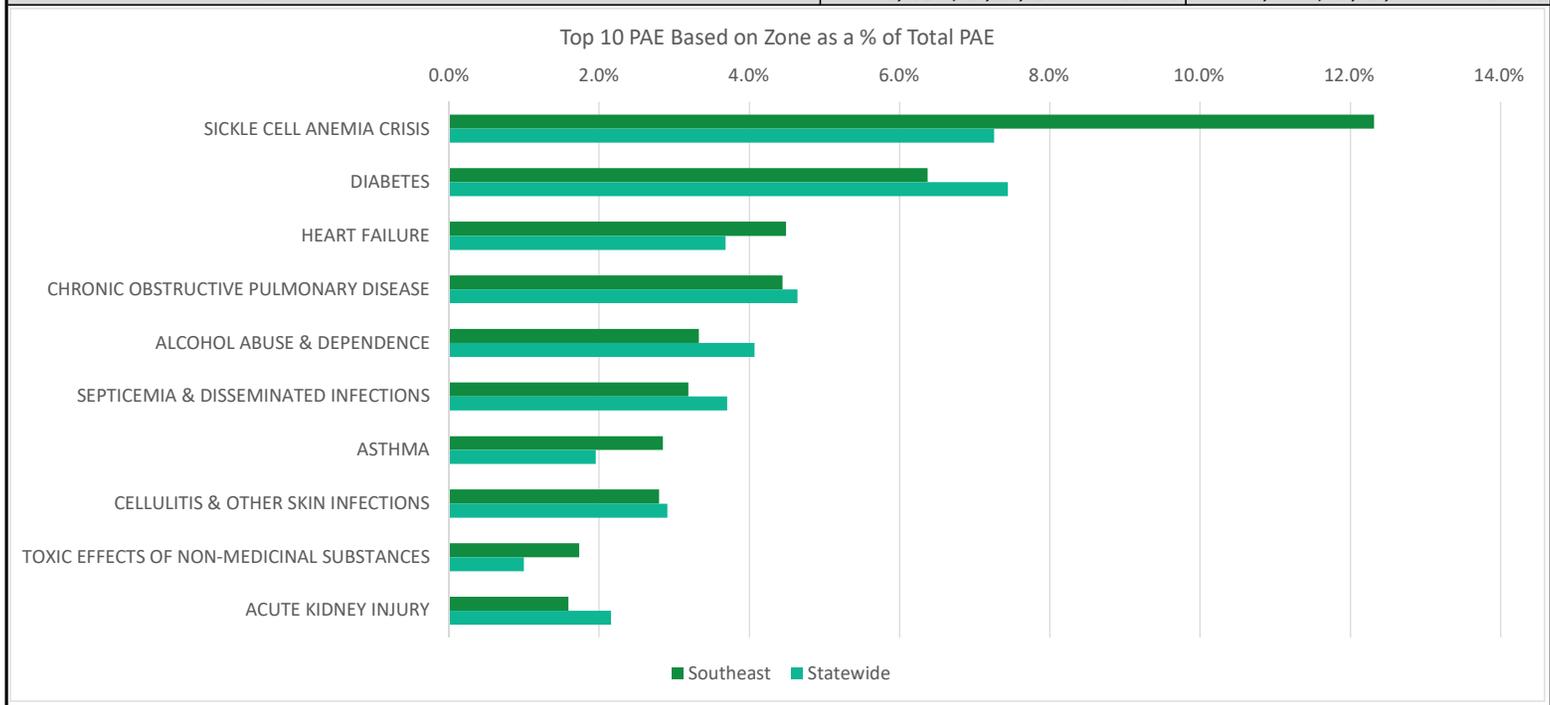
5. Events and Dollars by Age Band and Gender								
Southeast			Events			Dollars		
Age Band	Gender	Total	PAE	% of Total	Total	PAE	% of Total	
All Ages	M	38,808	1,103	2.8%	\$ 459,250,593	\$ 10,108,127	2.2%	
All Ages	F	57,983	968	1.7%	\$ 489,320,188	\$ 9,012,297	1.8%	
Total		96,791	2,071	2.1%	\$ 948,570,781	\$ 19,120,424	2.0%	
Under Age 1		19,376	-	0.0%	\$ 180,174,865	\$ -	0.0%	
Years 1-20		14,583	272	1.9%	\$ 158,434,835	\$ 3,291,921	2.1%	
Years 21-44		36,912	933	2.5%	\$ 287,645,130	\$ 6,900,065	2.4%	
Years 45-64		25,319	849	3.4%	\$ 314,113,186	\$ 8,751,826	2.8%	
Years 65+		601	17	2.8%	\$ 8,202,765	\$ 176,612	2.2%	
Total		96,791	2,071	2.1%	\$ 948,570,781	\$ 19,120,424	2.0%	
Statewide			Events			Dollars		
Age Band	Gender	Total	PAE	% of Total	Total	PAE	% of Total	
All Ages	M	97,005	2,185	2.3%	\$ 1,072,556,025	\$ 20,314,144	1.9%	
All Ages	F	155,452	2,211	1.4%	\$ 1,214,872,397	\$ 20,599,217	1.7%	
Total		252,457	4,396	1.7%	\$ 2,287,428,422	\$ 40,913,360	1.8%	
Under Age 1		56,621	-	0.0%	\$ 422,565,208	\$ -	0.0%	
Years 1-20		33,279	520	1.6%	\$ 357,373,860	\$ 6,088,653	1.7%	
Years 21-44		95,780	1,865	1.9%	\$ 697,131,523	\$ 15,303,996	2.2%	
Years 45-64		65,624	1,979	3.0%	\$ 795,335,345	\$ 19,231,009	2.4%	
Years 65+		1,153	32	2.8%	\$ 15,022,486	\$ 289,703	1.9%	
Total		252,457	4,396	1.7%	\$ 2,287,428,422	\$ 40,913,360	1.8%	



Appendix A

PAE Analysis:	Potentially Avoidable Readmissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Southeast

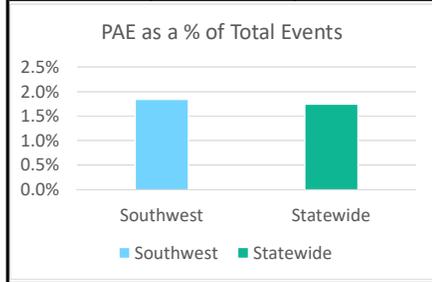
6. Events and Dollars by Top 10 APR-DRG			Southeast			Statewide		
Top 10 PAE by Zone			PAE	PAE Dollars	% of Total PAE	PAE	PAE Dollars	% of Total PAE
Zone Rank	APR DRG	Description						
1	0662	SICKLE CELL ANEMIA CRISIS	255	\$ 1,566,405	12.3%	319	\$ 2,104,270	7.3%
2	0420	DIABETES	132	\$ 829,386	6.4%	327	\$ 1,954,514	7.4%
3	0194	HEART FAILURE	93	\$ 1,126,236	4.5%	162	\$ 1,948,076	3.7%
4	0140	CHRONIC OBSTRUCTIVE PULMONARY DISEASE	92	\$ 664,829	4.4%	204	\$ 1,554,694	4.6%
5	0775	ALCOHOL ABUSE & DEPENDENCE	69	\$ 351,617	3.3%	179	\$ 806,994	4.1%
6	0720	SEPTICEMIA & DISSEMINATED INFECTIONS	66	\$ 963,718	3.2%	163	\$ 2,320,159	3.7%
7	0141	ASTHMA	59	\$ 344,708	2.8%	86	\$ 475,205	2.0%
8	0383	CELLULITIS & OTHER SKIN INFECTIONS	58	\$ 407,082	2.8%	128	\$ 929,670	2.9%
9	0816	TOXIC EFFECTS OF NON-MEDICINAL SUBSTANCES	36	\$ 288,178	1.7%	44	\$ 352,094	1.0%
10	0469	ACUTE KIDNEY INJURY	33	\$ 398,750	1.6%	95	\$ 1,023,679	2.2%
		All Else	1,178	\$ 12,179,515	56.9%	2,689	\$ 27,444,005	61.2%
		Total	2,071	\$ 19,120,424	100.0%	4,396	\$ 40,913,360	100.0%



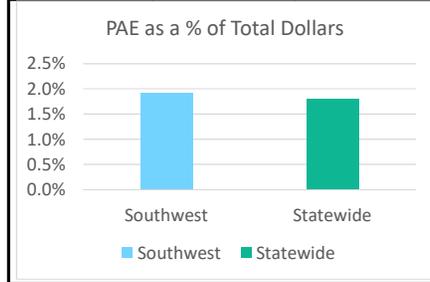
Appendix A

PAE Analysis:	Potentially Avoidable Readmissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Southwest

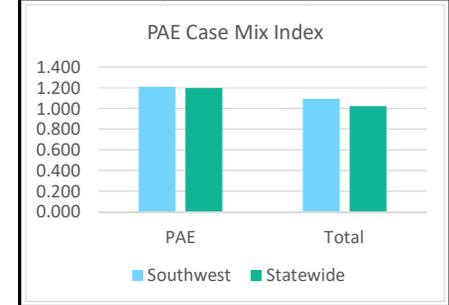
1. Total Events		
	Southwest	Statewide
PAE	987	4,396
Total	53,638	252,457
PAE %	1.8%	1.7%



2. Total Dollars		
	Southwest	Statewide
PAE	\$ 9,364,434	\$ 40,913,360
Total	\$ 489,737,221	\$ 2,287,428,422
PAE %	1.9%	1.8%



3. APR-DRG Case Mix Index		
	Southwest	Statewide
PAE	1.211	1.197
Total	1.093	1.021

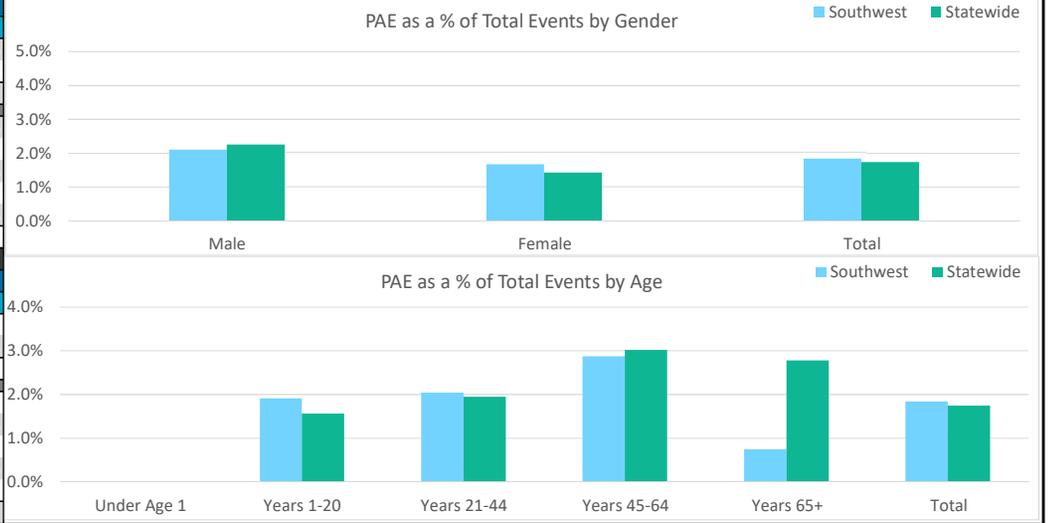


4. Events and Dollars by Rate Cell						
Rate Cell	Southwest			Statewide		
	Total	PAE	% of Total	Total	PAE	% of Total
Under Age 1	11,363	-	0.0%	56,621	-	0.0%
TANF-MAGI Ages 1-20	3,507	46	1.3%	20,853	203	1.0%
TANF-MAGI Ages 21+	10,332	93	0.9%	50,392	364	0.7%
Disabled-BCC Ages 1+	13,830	450	3.3%	56,651	1,994	3.5%
Newly Eligible Ages 19 to 44	7,882	217	2.8%	37,450	967	2.6%
Newly Eligible Ages 45 to 64	6,724	181	2.7%	30,490	868	2.8%
Total	53,638	987	1.8%	252,457	4,396	1.7%

PAE as a % of Total Events by Rate Cell						
Rate Cell	Southwest (%)	Statewide (%)				
Under Age 1	0.0%	0.0%				
TANF-MAGI Ages 1-20	0.9%	0.8%				
TANF-MAGI Ages 21+	1.7%	1.4%				
Disabled-BCC Ages 1+	3.3%	4.4%				
Newly Eligible Ages 19 to 44	2.8%	3.8%				
Newly Eligible Ages 45 to 64	2.7%	3.8%				
Total	1.8%	1.7%				

PAE Analysis:	Potentially Avoidable Readmissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Southwest

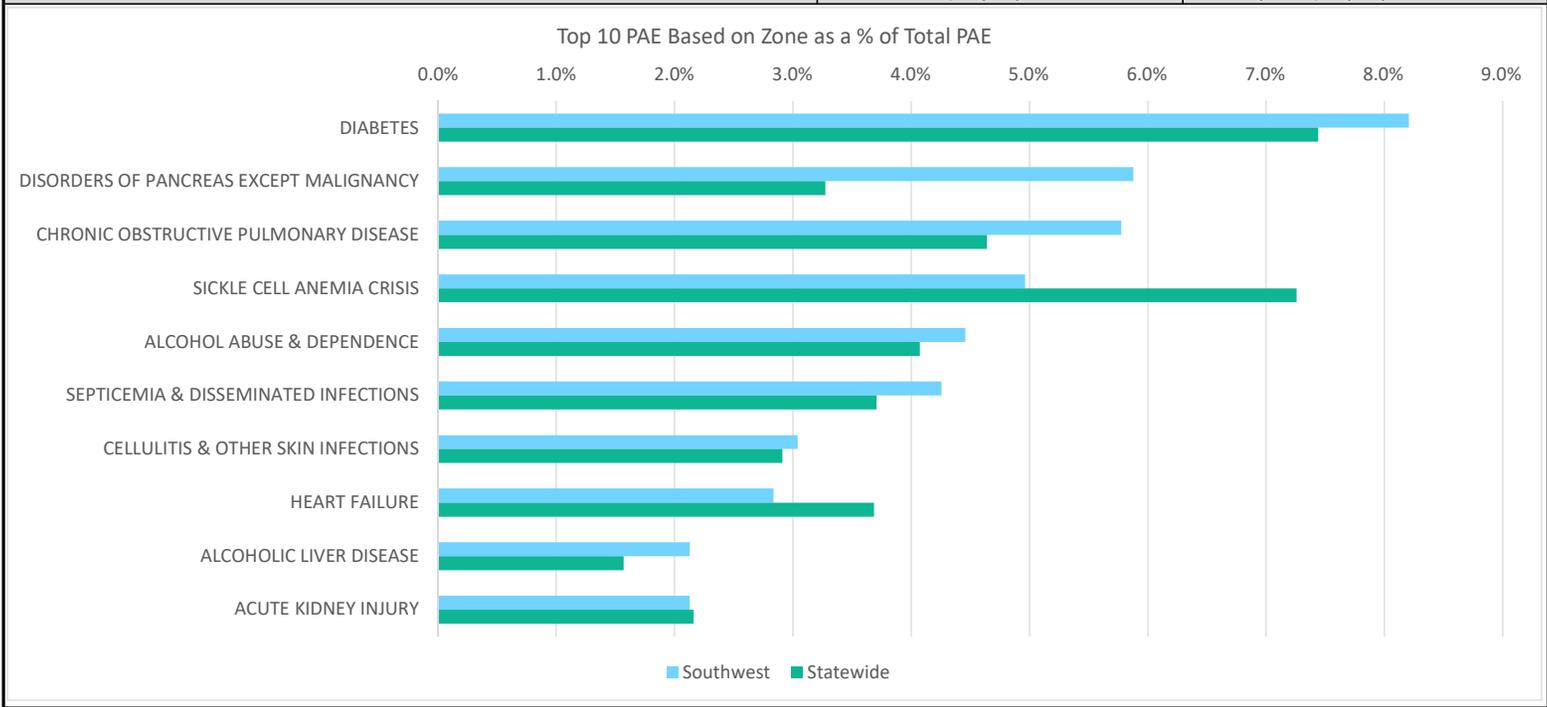
5. Events and Dollars by Age Band and Gender								
Southwest		Events			Dollars			
Age Band	Gender	Total	PAE	% of Total	Total	PAE	% of Total	
All Ages	M	20,680	435	2.1%	\$ 225,924,315	\$ 4,303,435	1.9%	
All Ages	F	32,958	552	1.7%	\$ 263,812,906	\$ 5,060,999	1.9%	
Total		53,638	987	1.8%	\$ 489,737,221	\$ 9,364,434	1.9%	
Under Age 1		11,363	-	0.0%	\$ 81,869,580	\$ -	0.0%	
Years 1-20		6,010	115	1.9%	\$ 70,631,235	\$ 1,335,330	1.9%	
Years 21-44		20,199	413	2.0%	\$ 148,536,735	\$ 3,574,892	2.4%	
Years 45-64		15,932	458	2.9%	\$ 187,030,811	\$ 4,444,469	2.4%	
Years 65+		134	1	0.7%	\$ 1,668,861	\$ 9,743	0.6%	
Total		53,638	987	1.8%	\$ 489,737,221	\$ 9,364,434	1.9%	
Statewide		Events			Dollars			
Age Band	Gender	Total	PAE	% of Total	Total	PAE	% of Total	
All Ages	M	97,005	2,185	2.3%	\$ 1,072,556,025	\$ 20,314,144	1.9%	
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Years 21-44		95,780	1,865	1.9%	\$ 697,131,523	\$ 15,303,996	2.2%	
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Years 65+		1,153	32	2.8%	\$ 15,022,486	\$ 289,703	1.9%	
Total		252,457	4,396	1.7%	\$ 2,287,428,422	\$ 40,913,360	1.8%	



Appendix A

PAE Analysis:	Potentially Avoidable Readmissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Southwest

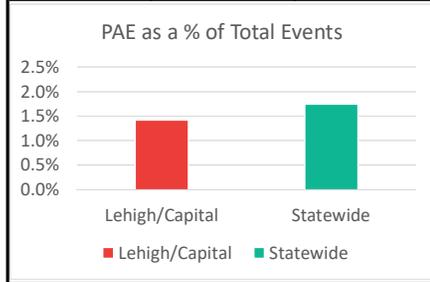
Top 10 PAE by Zone			Southwest			Statewide		
Zone Rank	APR DRG	Description	PAE	PAE Dollars	% of Total PAE	PAE	PAE Dollars	% of Total PAE
1	0420	DIABETES	81	\$ 475,310	8.2%	327	\$ 1,954,514	7.4%
2	0282	DISORDERS OF PANCREAS EXCEPT MALIGNANCY	58	\$ 398,963	5.9%	144	\$ 1,029,319	3.3%
3	0140	CHRONIC OBSTRUCTIVE PULMONARY DISEASE	57	\$ 532,924	5.8%	204	\$ 1,554,694	4.6%
4	0662	SICKLE CELL ANEMIA CRISIS	49	\$ 286,059	5.0%	319	\$ 2,104,270	7.3%
5	0775	ALCOHOL ABUSE & DEPENDENCE	44	\$ 182,499	4.5%	179	\$ 806,994	4.1%
6	0720	SEPTICEMIA & DISSEMINATED INFECTIONS	42	\$ 614,060	4.3%	163	\$ 2,320,159	3.7%
7	0383	CELLULITIS & OTHER SKIN INFECTIONS	30	\$ 212,588	3.0%	128	\$ 929,670	2.9%
8	0194	HEART FAILURE	28	\$ 328,208	2.8%	162	\$ 1,948,076	3.7%
9	0280	ALCOHOLIC LIVER DISEASE	21	\$ 300,118	2.1%	69	\$ 761,028	1.6%
10	0469	ACUTE KIDNEY INJURY	21	\$ 199,236	2.1%	95	\$ 1,023,679	2.2%
		All Else	556	\$ 5,834,468	56.3%	2,606	\$ 26,480,957	59.3%
		Total	987	\$ 9,364,434	100.0%	4,396	\$ 40,913,360	100.0%



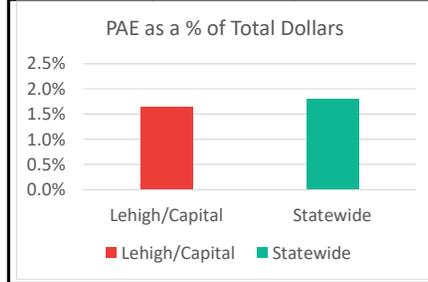
Appendix A

PAE Analysis:	Potentially Avoidable Readmissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Lehigh/Capital

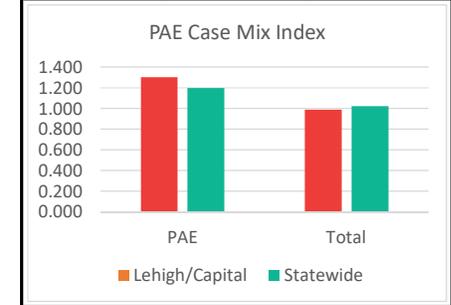
1. Total Events		
	Lehigh/Capital	Statewide
PAE	744	4,396
Total	52,542	252,457
PAE %	1.4%	1.7%



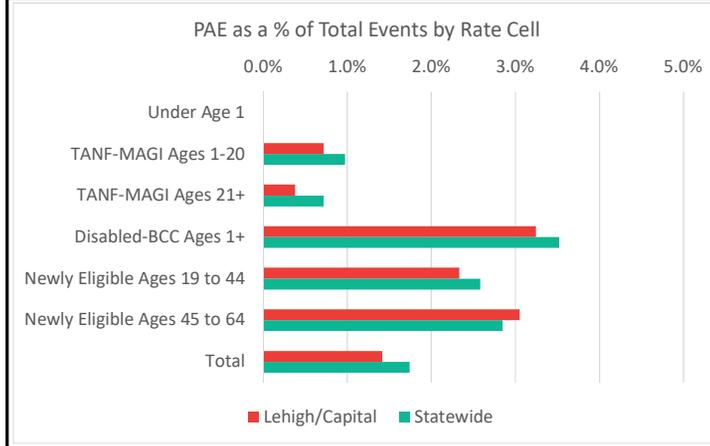
2. Total Dollars		
	Lehigh/Capital	Statewide
PAE	\$ 7,347,446	\$ 40,913,360
Total	\$ 447,903,606	\$ 2,287,428,422
PAE %	1.6%	1.8%



3. APR-DRG Case Mix Index		
	Lehigh/Capital	Statewide
PAE	1.302	1.197
Total	0.988	1.021



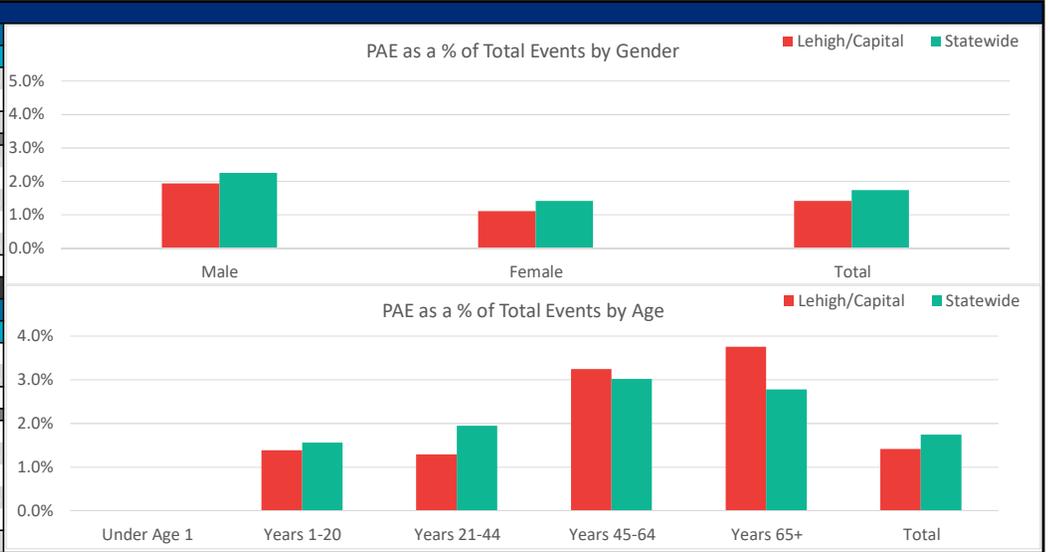
4. Events and Dollars by Rate Cell



Rate Cell	Lehigh/Capital			Events			Dollars		
	Total	PAE	% of Total	Total	PAE	% of Total	Total	PAE	% of Total
Under Age 1	13,639	-	0.0%	13,639	-	0.0%	\$ 89,792,884	\$ -	0.0%
TANF-MAGI Ages 1-20	4,299	31	0.7%	4,299	31	0.7%	\$ 34,669,175	\$ 386,895	1.1%
TANF-MAGI Ages 21+	11,561	44	0.4%	11,561	44	0.4%	\$ 60,553,059	\$ 327,782	0.5%
Disabled-BCC Ages 1+	9,830	319	3.2%	9,830	319	3.2%	\$ 127,488,321	\$ 3,783,151	3.0%
Newly Eligible Ages 19 to 44	7,376	172	2.3%	7,376	172	2.3%	\$ 62,992,000	\$ 1,171,920	1.9%
Newly Eligible Ages 45 to 64	5,837	178	3.0%	5,837	178	3.0%	\$ 72,408,167	\$ 1,677,699	2.3%
Total	52,542	744	1.4%	52,542	744	1.4%	\$ 447,903,606	\$ 7,347,446	1.6%
Rate Cell	Statewide			Events			Dollars		
	Total	PAE	% of Total	Total	PAE	% of Total	Total	PAE	% of Total
Under Age 1	56,621	-	0.0%	56,621	-	0.0%	\$ 422,565,208	\$ -	0.0%
TANF-MAGI Ages 1-20	20,853	203	1.0%	20,853	203	1.0%	\$ 175,679,399	\$ 2,645,020	1.5%
TANF-MAGI Ages 21+	50,392	364	0.7%	50,392	364	0.7%	\$ 282,650,032	\$ 3,188,690	1.1%
Disabled-BCC Ages 1+	56,651	1,994	3.5%	56,651	1,994	3.5%	\$ 708,968,224	\$ 19,588,985	2.8%
Newly Eligible Ages 19 to 44	37,450	967	2.6%	37,450	967	2.6%	\$ 330,591,843	\$ 7,171,061	2.2%
Newly Eligible Ages 45 to 64	30,490	868	2.8%	30,490	868	2.8%	\$ 366,973,717	\$ 8,319,604	2.3%
Total	252,457	4,396	1.7%	252,457	4,396	1.7%	\$ 2,287,428,422	\$ 40,913,360	1.8%

PAE Analysis:	Potentially Avoidable Readmissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Lehigh/Capital

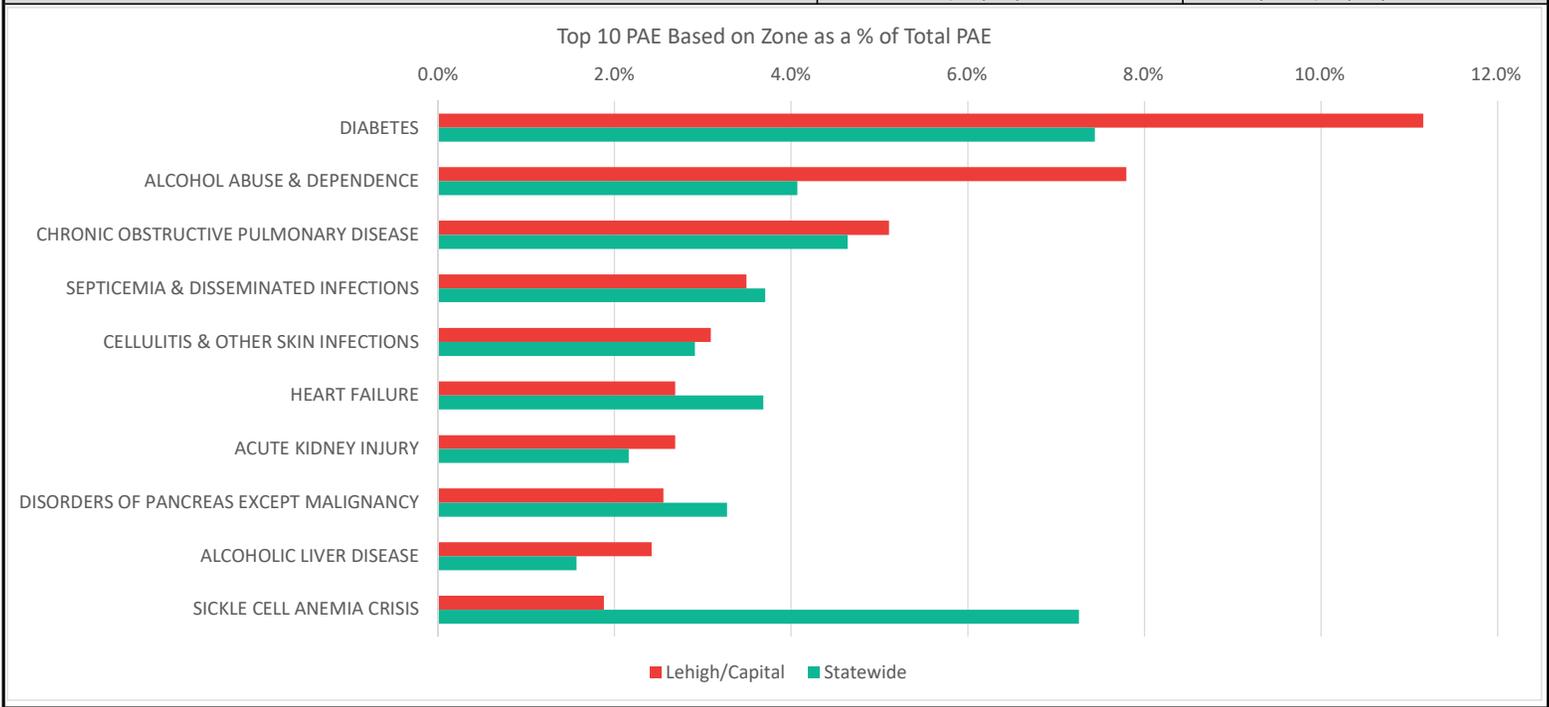
5. Events and Dollars by Age Band and Gender								
Lehigh/Capital		Events			Dollars			
Age Band	Gender	Total	PAE	% of Total	Total	PAE	% of Total	
All Ages	M	19,145	371	1.9%	\$ 205,271,737	\$ 3,704,700	1.8%	
All Ages	F	33,397	373	1.1%	\$ 242,631,869	\$ 3,642,746	1.5%	
Total		52,542	744	1.4%	\$ 447,903,606	\$ 7,347,446	1.6%	
Under Age 1		13,639	-	0.0%	\$ 89,792,884	\$ -	0.0%	
Years 1-20		6,784	94	1.4%	\$ 73,780,935	\$ 1,093,506	1.5%	
Years 21-44		20,153	260	1.3%	\$ 136,698,847	\$ 2,719,719	2.0%	
Years 45-64		11,673	379	3.2%	\$ 144,191,400	\$ 3,454,020	2.4%	
Years 65+		293	11	3.8%	\$ 3,439,538	\$ 80,202	2.3%	
Total		52,542	744	1.4%	\$ 447,903,606	\$ 7,347,446	1.6%	
Statewide		Events			Dollars			
Age Band	Gender	Total	PAE	% of Total	Total	PAE	% of Total	
All Ages	M	97,005	2,185	2.3%	\$ 1,072,556,025	\$ 20,314,144	1.9%	
All Ages	F	155,452	2,211	1.4%	\$ 1,214,872,397	\$ 20,599,217	1.7%	
Total		252,457	4,396	1.7%	\$ 2,287,428,422	\$ 40,913,360	1.8%	
Under Age 1		56,621	-	0.0%	\$ 422,565,208	\$ -	0.0%	
Years 1-20		33,279	520	1.6%	\$ 357,373,860	\$ 6,088,653	1.7%	
Years 21-44		95,780	1,865	1.9%	\$ 697,131,523	\$ 15,303,996	2.2%	
Years 45-64		65,624	1,979	3.0%	\$ 795,335,345	\$ 19,231,009	2.4%	
Years 65+		1,153	32	2.8%	\$ 15,022,486	\$ 289,703	1.9%	
Total		252,457	4,396	1.7%	\$ 2,287,428,422	\$ 40,913,360	1.8%	



Appendix A

PAE Analysis:	Potentially Avoidable Readmissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Lehigh/Capital

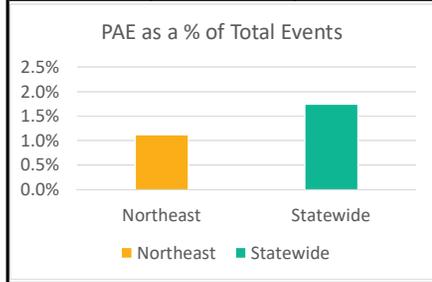
6. Events and Dollars by Top 10 APR-DRG			Lehigh/Capital			Statewide		
Top 10 PAE by Zone			PAE	PAE Dollars	% of Total PAE	PAE	PAE Dollars	% of Total PAE
Zone Rank	APR DRG	Description						
1	0420	DIABETES	83	\$ 481,289	11.2%	327	\$ 1,954,514	7.4%
2	0775	ALCOHOL ABUSE & DEPENDENCE	58	\$ 242,176	7.8%	179	\$ 806,994	4.1%
3	0140	CHRONIC OBSTRUCTIVE PULMONARY DISEASE	38	\$ 274,740	5.1%	204	\$ 1,554,694	4.6%
4	0720	SEPTICEMIA & DISSEMINATED INFECTIONS	26	\$ 480,975	3.5%	163	\$ 2,320,159	3.7%
5	0383	CELLULITIS & OTHER SKIN INFECTIONS	23	\$ 171,389	3.1%	128	\$ 929,670	2.9%
6	0194	HEART FAILURE	20	\$ 342,783	2.7%	162	\$ 1,948,076	3.7%
7	0469	ACUTE KIDNEY INJURY	20	\$ 241,185	2.7%	95	\$ 1,023,679	2.2%
8	0282	DISORDERS OF PANCREAS EXCEPT MALIGNANCY	19	\$ 179,387	2.6%	144	\$ 1,029,319	3.3%
9	0280	ALCOHOLIC LIVER DISEASE	18	\$ 155,766	2.4%	69	\$ 761,028	1.6%
10	0662	SICKLE CELL ANEMIA CRISIS	14	\$ 251,807	1.9%	319	\$ 2,104,270	7.3%
		All Else	425	\$ 4,525,948	57.1%	2,606	\$ 26,480,957	59.3%
		Total	744	\$ 7,347,446	100.0%	4,396	\$ 40,913,360	100.0%



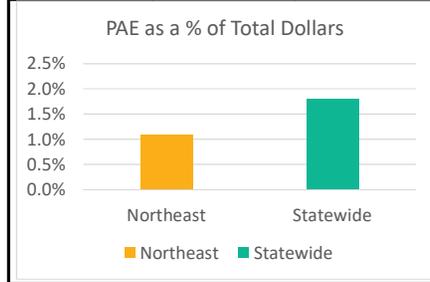
Appendix A

PAE Analysis:	Potentially Avoidable Readmissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Northeast

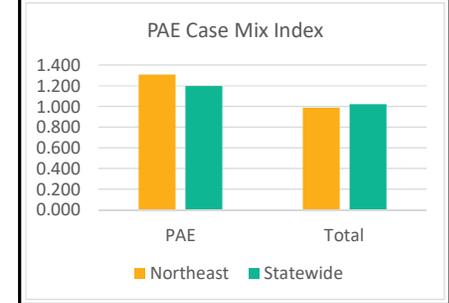
1. Total Events		
	Northeast	Statewide
PAE	366	4,396
Total	32,734	252,457
PAE %	1.1%	1.7%



2. Total Dollars		
	Northeast	Statewide
PAE	\$ 2,902,470	\$ 40,913,360
Total	\$ 265,371,619	\$ 2,287,428,422
PAE %	1.1%	1.8%



3. APR-DRG Case Mix Index		
	Northeast	Statewide
PAE	1.308	1.197
Total	0.988	1.021



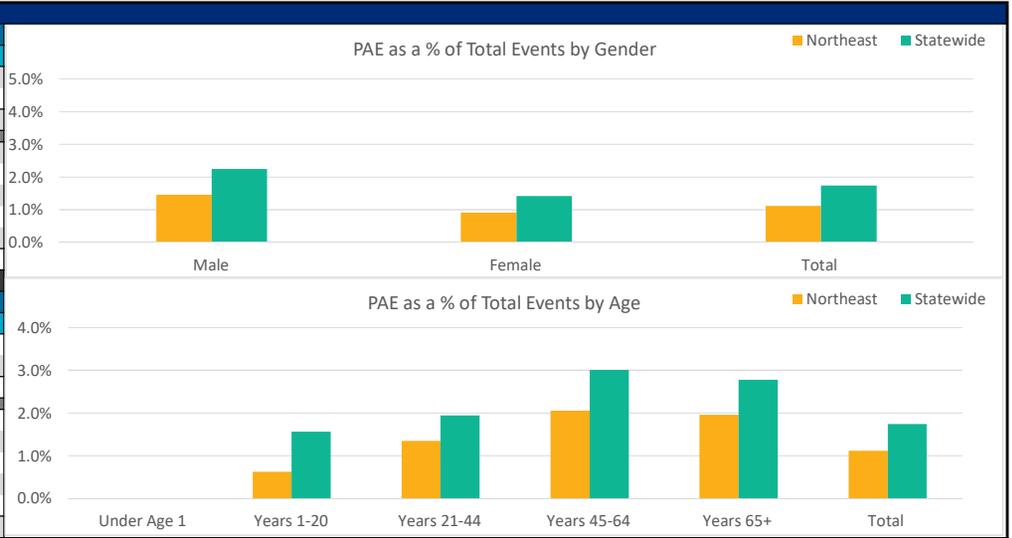
4. Events and Dollars by Rate Cell						
Rate Cell	Northeast			Statewide		
	Total	PAE	% of Total	Total	PAE	% of Total
Under Age 1	7,976	-	0.0%	56,621	-	0.0%
TANF-MAGI Ages 1-20	2,537	17	0.7%	20,853	203	1.0%
TANF-MAGI Ages 21+	6,780	37	0.5%	50,392	364	0.7%
Disabled-BCC Ages 1+	6,537	139	2.1%	56,651	1,994	3.5%
Newly Eligible Ages 19 to 44	4,681	90	1.9%	37,450	967	2.6%
Newly Eligible Ages 45 to 64	4,223	83	2.0%	30,490	868	2.8%
Total	32,734	366	1.1%	252,457	4,396	1.7%

PAE as a % of Total Events by Rate Cell						
Rate Cell	Northeast (%)	Statewide (%)				
Under Age 1	0.0%	0.0%				
TANF-MAGI Ages 1-20	0.7%	1.0%				
TANF-MAGI Ages 21+	0.5%	0.7%				
Disabled-BCC Ages 1+	2.1%	3.5%				
Newly Eligible Ages 19 to 44	1.9%	2.6%				
Newly Eligible Ages 45 to 64	2.0%	2.8%				
Total	1.1%	1.7%				

PAE Analysis:	Potentially Avoidable Readmissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Northeast

5. Events and Dollars by Age Band and Gender							
Northeast		Events			Dollars		
Age Band	Gender	Total	PAE	% of Total	Total	PAE	% of Total
All Ages	M	12,245	179	1.5%	\$ 119,718,364	\$ 1,342,781	1.1%
All Ages	F	20,489	187	0.9%	\$ 145,653,255	\$ 1,559,689	1.1%
Total		32,734	366	1.1%	\$ 265,371,619	\$ 2,902,470	1.1%
Under Age 1		7,976	-	0.0%	\$ 46,001,161	\$ -	0.0%
Years 1-20		3,844	24	0.6%	\$ 34,204,904	\$ 218,499	0.6%
Years 21-44		12,339	166	1.3%	\$ 83,056,329	\$ 1,315,205	1.6%
Years 45-64		8,473	174	2.1%	\$ 100,671,212	\$ 1,359,199	1.4%
Years 65+		102	2	2.0%	\$ 1,438,013	\$ 9,567	0.7%
Total		32,734	366	1.1%	\$ 265,371,619	\$ 2,902,470	1.1%

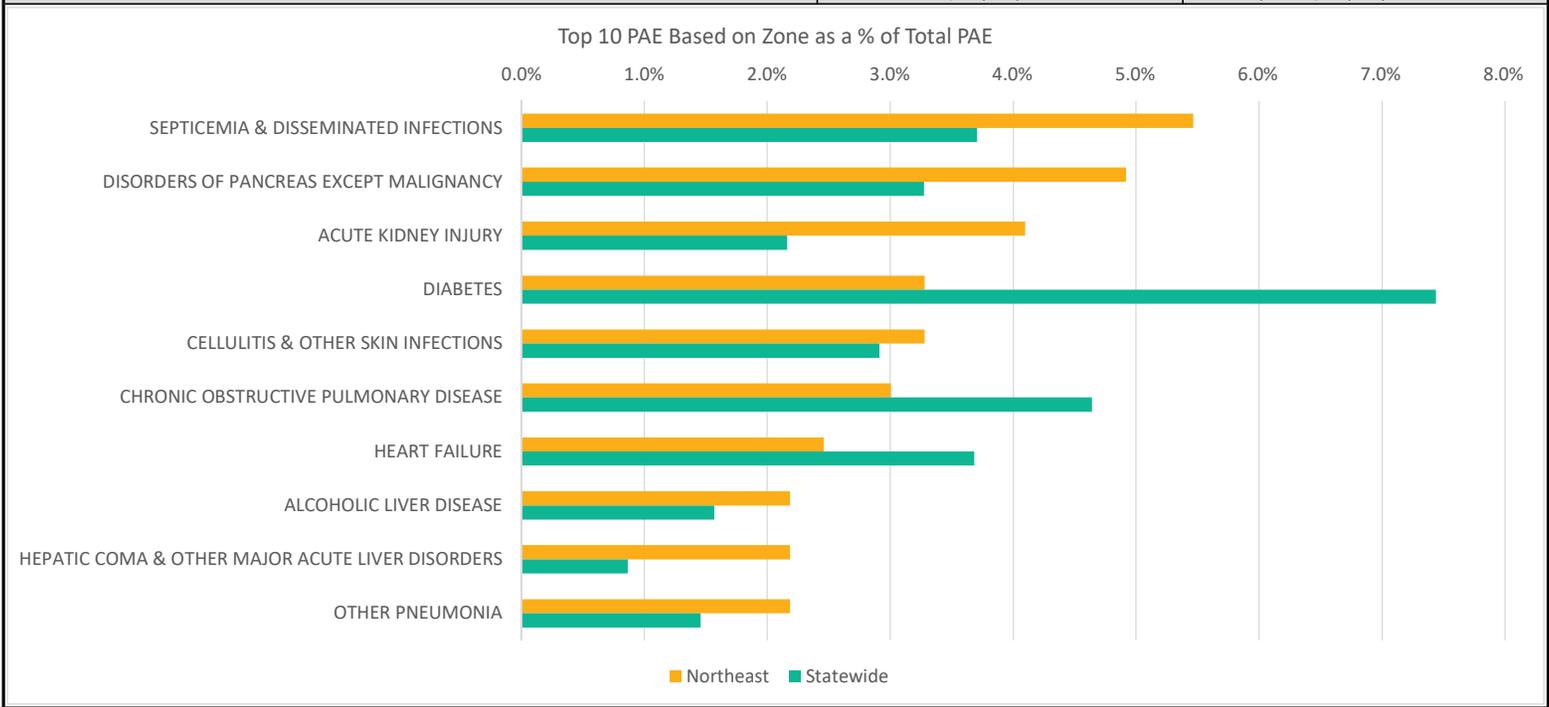
Statewide		Events			Dollars		
Age Band	Gender	Total	PAE	% of Total	Total	PAE	% of Total
All Ages	M	97,005	2,185	2.3%	\$ 1,072,556,025	\$ 20,314,144	1.9%
All Ages	F	155,452	2,211	1.4%	\$ 1,214,872,397	\$ 20,599,217	1.7%
Total		252,457	4,396	1.7%	\$ 2,287,428,422	\$ 40,913,360	1.8%
Under Age 1		56,621	-	0.0%	\$ 422,565,208	\$ -	0.0%
Years 1-20		33,279	520	1.6%	\$ 357,373,860	\$ 6,088,653	1.7%
Years 21-44		95,780	1,865	1.9%	\$ 697,131,523	\$ 15,303,996	2.2%
Years 45-64		65,624	1,979	3.0%	\$ 795,335,345	\$ 19,231,009	2.4%
Years 65+		1,153	32	2.8%	\$ 15,022,486	\$ 289,703	1.9%
Total		252,457	4,396	1.7%	\$ 2,287,428,422	\$ 40,913,360	1.8%



Appendix A

PAE Analysis:	Potentially Avoidable Readmissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Northeast

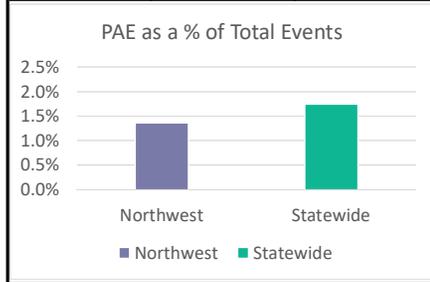
Top 10 PAE by Zone			Northeast			Statewide		
Zone Rank	APR DRG	Description	PAE	PAE Dollars	% of Total PAE	PAE	PAE Dollars	% of Total PAE
1	0720	SEPTICEMIA & DISSEMINATED INFECTIONS	20	\$ 186,331	5.5%	163	\$ 2,320,159	3.7%
2	0282	DISORDERS OF PANCREAS EXCEPT MALIGNANCY	18	\$ 114,932	4.9%	144	\$ 1,029,319	3.3%
3	0469	ACUTE KIDNEY INJURY	15	\$ 63,011	4.1%	95	\$ 1,023,679	2.2%
4	0420	DIABETES	12	\$ 71,934	3.3%	327	\$ 1,954,514	7.4%
5	0383	CELLULITIS & OTHER SKIN INFECTIONS	12	\$ 71,790	3.3%	128	\$ 929,670	2.9%
6	0140	CHRONIC OBSTRUCTIVE PULMONARY DISEASE	11	\$ 46,583	3.0%	204	\$ 1,554,694	4.6%
7	0194	HEART FAILURE	9	\$ 57,398	2.5%	162	\$ 1,948,076	3.7%
8	0280	ALCOHOLIC LIVER DISEASE	8	\$ 92,701	2.2%	69	\$ 761,028	1.6%
9	0279	HEPATIC COMA & OTHER MAJOR ACUTE LIVER DISORDERS	8	\$ 63,490	2.2%	38	\$ 363,716	0.9%
10	0139	OTHER PNEUMONIA	8	\$ 37,836	2.2%	64	\$ 668,655	1.5%
		All Else	245	\$ 2,096,463	66.9%	3,002	\$ 28,359,850	68.3%
		Total	366	\$ 2,902,470	100.0%	4,396	\$ 40,913,360	100.0%



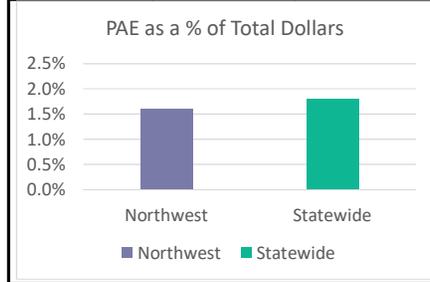
Appendix A

PAE Analysis:	Potentially Avoidable Readmissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Northwest

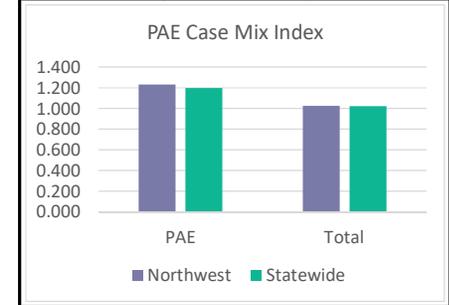
1. Total Events		
	Northwest	Statewide
PAE	228	4,396
Total	16,752	252,457
PAE %	1.4%	1.7%



2. Total Dollars		
	Northwest	Statewide
PAE	\$ 2,178,587	\$ 40,913,360
Total	\$ 135,845,196	\$ 2,287,428,422
PAE %	1.6%	1.8%



3. APR-DRG Case Mix Index		
	Northwest	Statewide
PAE	1.232	1.197
Total	1.024	1.021

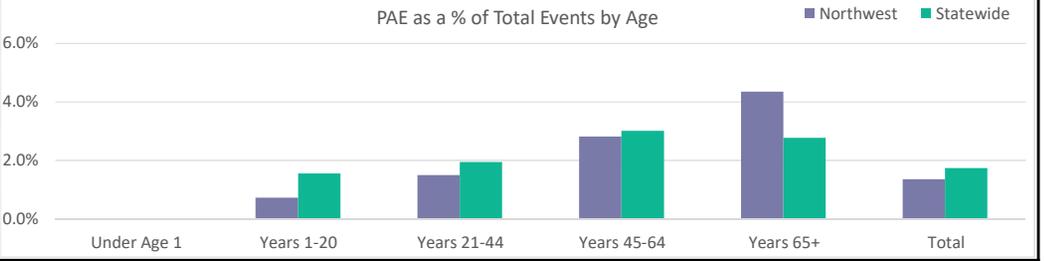
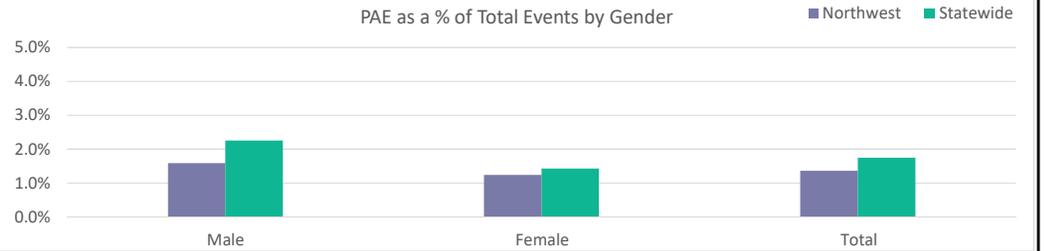


4. Events and Dollars by Rate Cell							
Rate Cell	Northwest			Statewide			
	Total	PAE	% of Total	Total	PAE	% of Total	
Under Age 1	4,267	-	0.0%	4,267	-	0.0%	
TANF-MAGI Ages 1-20	1,351	8	0.6%	1,351	8	0.6%	
TANF-MAGI Ages 21+	3,374	27	0.8%	3,374	27	0.8%	
Disabled-BCC Ages 1+	3,697	92	2.5%	3,697	92	2.5%	
Newly Eligible Ages 19 to 44	2,238	45	2.0%	2,238	45	2.0%	
Newly Eligible Ages 45 to 64	1,825	56	3.1%	1,825	56	3.1%	
Total	16,752	228	1.4%	16,752	228	1.4%	

Rate Cell	Northwest			Statewide		
	Total	PAE	% of Total	Total	PAE	% of Total
Under Age 1	56,621	-	0.0%	56,621	-	0.0%
TANF-MAGI Ages 1-20	20,853	203	1.0%	20,853	203	1.0%
TANF-MAGI Ages 21+	50,392	364	0.7%	50,392	364	0.7%
Disabled-BCC Ages 1+	56,651	1,994	3.5%	56,651	1,994	3.5%
Newly Eligible Ages 19 to 44	37,450	967	2.6%	37,450	967	2.6%
Newly Eligible Ages 45 to 64	30,490	868	2.8%	30,490	868	2.8%
Total	252,457	4,396	1.7%	252,457	4,396	1.7%

PAE Analysis:	Potentially Avoidable Readmissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Northwest

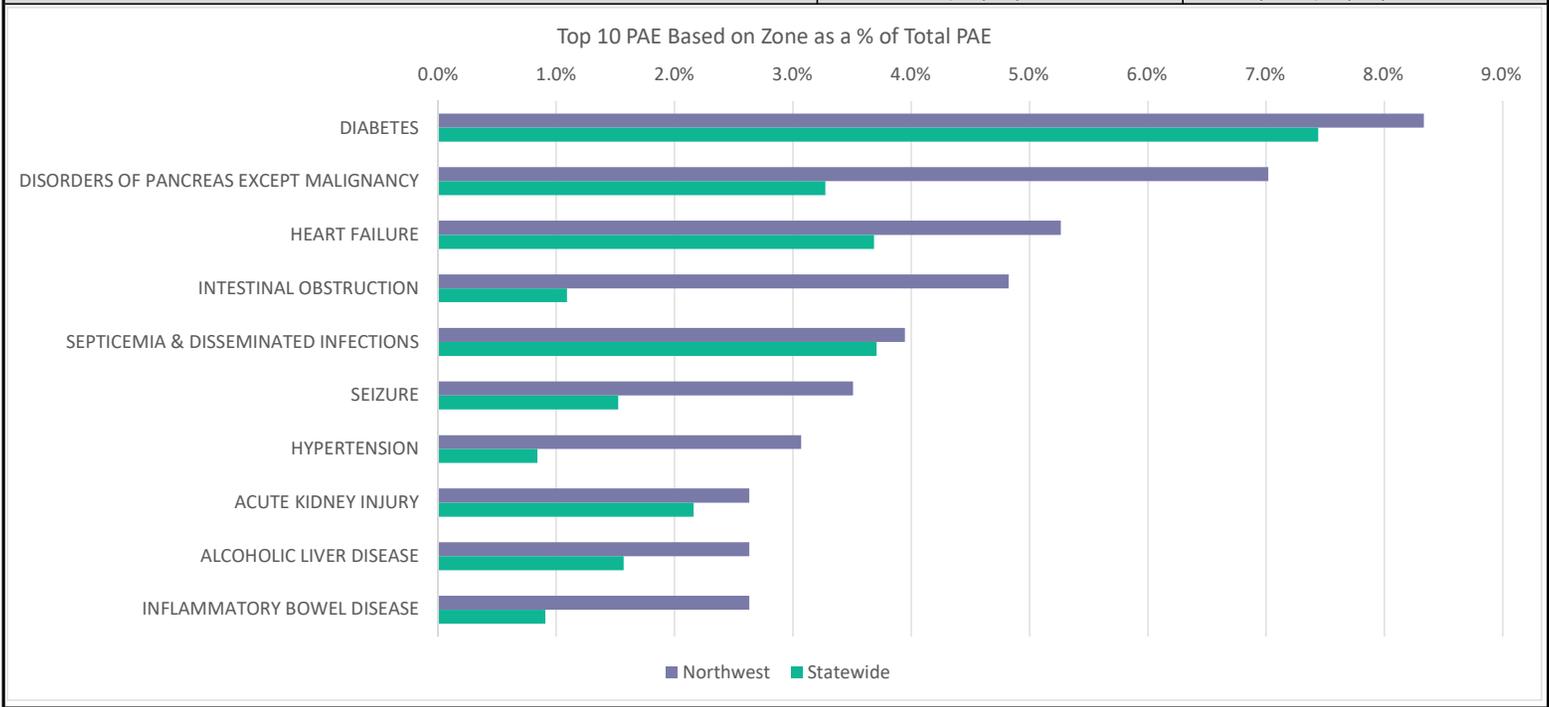
5. Events and Dollars by Age Band and Gender								
Northwest		Events			Dollars			
Age Band	Gender	Total	PAE	% of Total	Total	PAE	% of Total	
All Ages	M	6,127	97	1.6%	\$ 62,391,016	\$ 855,101	1.4%	
All Ages	F	10,625	131	1.2%	\$ 73,454,179	\$ 1,323,485	1.8%	
Total		16,752	228	1.4%	\$ 135,845,196	\$ 2,178,587	1.6%	
Under Age 1		4,267	-	0.0%	\$ 24,726,718	\$ -	0.0%	
Years 1-20		2,058	15	0.7%	\$ 20,321,952	\$ 149,397	0.7%	
Years 21-44		6,177	93	1.5%	\$ 41,194,482	\$ 794,117	1.9%	
Years 45-64		4,227	119	2.8%	\$ 49,328,735	\$ 1,221,495	2.5%	
Years 65+		23	1	4.3%	\$ 273,310	\$ 13,578	5.0%	
Total		16,752	228	1.4%	\$ 135,845,196	\$ 2,178,587	1.6%	
Statewide		Events			Dollars			
Age Band	Gender	Total	PAE	% of Total	Total	PAE	% of Total	
All Ages	M	97,005	2,185	2.3%	\$ 1,072,556,025	\$ 20,314,144	1.9%	
All Ages	F	155,452	2,211	1.4%	\$ 1,214,872,397	\$ 20,599,217	1.7%	
Total		252,457	4,396	1.7%	\$ 2,287,428,422	\$ 40,913,360	1.8%	
Under Age 1		56,621	-	0.0%	\$ 422,565,208	\$ -	0.0%	
Years 1-20		33,279	520	1.6%	\$ 357,373,860	\$ 6,088,653	1.7%	
Years 21-44		95,780	1,865	1.9%	\$ 697,131,523	\$ 15,303,996	2.2%	
Years 45-64		65,624	1,979	3.0%	\$ 795,335,345	\$ 19,231,009	2.4%	
Years 65+		1,153	32	2.8%	\$ 15,022,486	\$ 289,703	1.9%	
Total		252,457	4,396	1.7%	\$ 2,287,428,422	\$ 40,913,360	1.8%	



Appendix A

PAE Analysis:	Potentially Avoidable Readmissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Northwest

Top 10 PAE by Zone			Northwest			Statewide		
Zone Rank	APR DRG	Description	PAE	PAE Dollars	% of Total PAE	PAE	PAE Dollars	% of Total PAE
1	0420	DIABETES	19	\$ 96,595	8.3%	327	\$ 1,954,514	7.4%
2	0282	DISORDERS OF PANCREAS EXCEPT MALIGNANCY	16	\$ 101,944	7.0%	144	\$ 1,029,319	3.3%
3	0194	HEART FAILURE	12	\$ 93,450	5.3%	162	\$ 1,948,076	3.7%
4	0247	INTESTINAL OBSTRUCTION	11	\$ 94,459	4.8%	48	\$ 445,747	1.1%
5	0720	SEPTICEMIA & DISSEMINATED INFECTIONS	9	\$ 75,075	3.9%	163	\$ 2,320,159	3.7%
6	0053	SEIZURE	8	\$ 17,357	3.5%	67	\$ 387,280	1.5%
7	0199	HYPERTENSION	7	\$ 33,622	3.1%	37	\$ 264,340	0.8%
8	0469	ACUTE KIDNEY INJURY	6	\$ 121,497	2.6%	95	\$ 1,023,679	2.2%
9	0280	ALCOHOLIC LIVER DISEASE	6	\$ 58,674	2.6%	69	\$ 761,028	1.6%
10	0245	INFLAMMATORY BOWEL DISEASE	6	\$ 46,906	2.6%	40	\$ 279,340	0.9%
		All Else	128	\$ 1,439,008	56.1%	3,244	\$ 30,499,879	73.8%
		Total	228	\$ 2,178,587	100.0%	4,396	\$ 40,913,360	100.0%



APPENDIX B

POTENTIALLY AVOIDABLE ADMISSIONS

CONTENTS

TABLE #	TABLE TITLE
1	Total Events
2	Total Dollars
3	APR-DRG Case Mix Index
4	Events and Dollars by Rate Cell
5	Events and Dollars by Age Band and Gender
6	Events and Dollars by Top 10 APR-DRG
7	Admissions and Dollars by PDI (Pediatric)
8	Admissions and Dollars by PQI (Adult)

The tables identified above are included for each zone. Zone results are displayed in the following order: Southeast, Southwest, Lehigh/Capital, Northeast and Northwest.

Detailed Description of Tables

Table 1 — displays the total number of PAA as a percent of total inpatient hospital admissions. This value is displayed at both the zone and statewide level.

Table 2 — displays the total expenditures related to PAA as a percent of total inpatient hospital expenditures. This value is displayed at both the zone and statewide level.

Table 3 — displays the average APR-DRG Case Mix Index for those admissions identified as PAA at the zone and statewide level. Also displays the average APR-DRG Case Mix Index for all admissions at the zone and statewide level.

Table 4 — displays the total number of PAA as a percent of total inpatient hospital admissions by rate cell. This value is displayed at both the zone and statewide level.

Table 5 — displays the total number of PAA as a percent of total inpatient hospital admissions by age band and gender. These values are displayed at both the zone and statewide level.

Table 6 — displays the 10 most frequent diagnosis (APR-DRG) in the zone that result in PAA within the zone. These values are displayed at both the zone and statewide level.

Table 7 — displays the total number of PDIs identified and the expenditures related to PDI. These values are displayed at both the zone and statewide level.

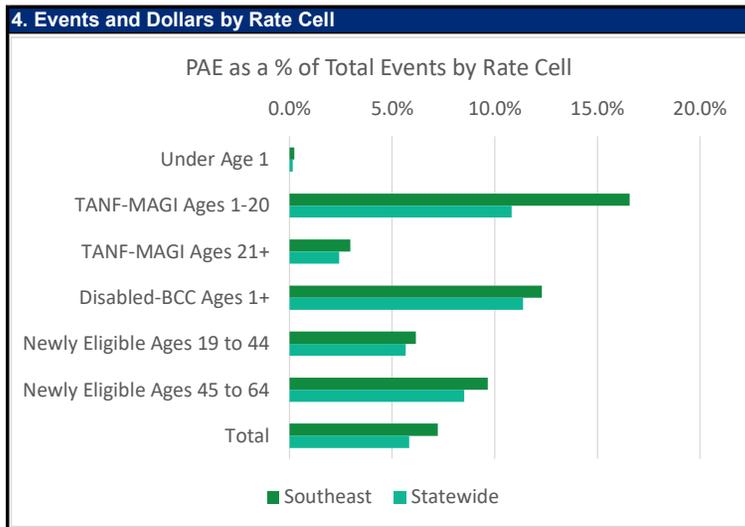
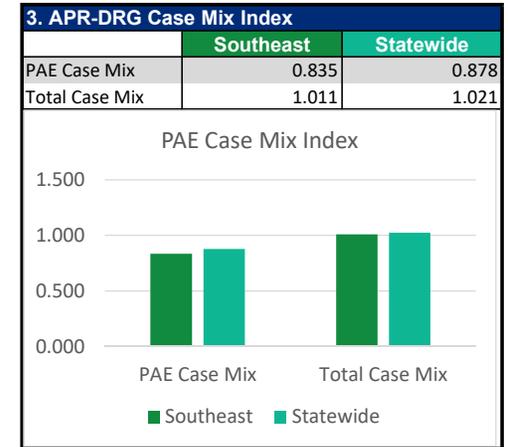
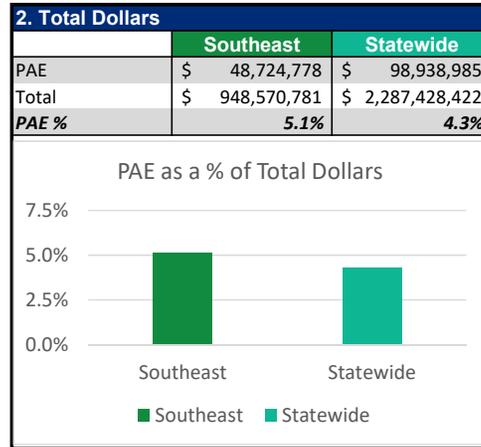
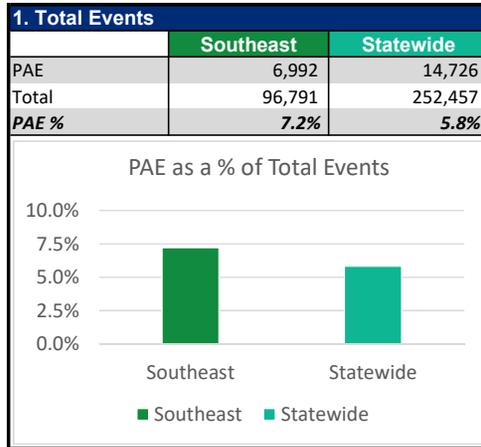
Table 8 — displays the total number of PQIs identified and the expenditures related to PQI. These values are displayed at both the zone and statewide level.

Additional Notes Regarding Data

1. Admits and dollars for CY 2017 service dates are based on PH-MCO encounter data submitted through September 30, 2018.
2. Inpatient is defined as admits with a claim type of "I" or "A".
3. APR-DRGs are assigned by PROMISe system and represent a mix of APR-DRG versions 34 and 35 depending on discharge date. Case Mix Index reflects the average relative value weight across all admissions as established by the Department. If APR-DRG relative value weight was not present, an average relative value weight was assigned. These average relative value weights were calculated at the hospital level.
4. Version 7.0 AHRQ logic was used for PDIs and PQIs.
5. PAA values displayed are post clinical global exclusions, enrollment duration and PAR overlap. Targeted efficiency levels are not applied.
6. PQIs include beneficiaries 18 years of age or older, and PDIs include beneficiaries through 17 years of age.
7. Replacement costs are not considered in this analysis.
8. Age and gender are assigned using PROMISe eligibility.
9. Encounters with revenue code 0762 and no room and board code, indicating an observation stay, were excluded from PAA.
10. All encounters for beneficiaries with a qualifying clinical global exclusion diagnosis (examples include trauma and malignancies) were excluded.
11. Additional clinical exclusions were applied in addition to the specific to AHRQ's PQIs/PDIs exclusionary criteria (for example, transfers from other facilities).
12. Beneficiaries eligible for Community HealthChoices are excluded from analysis.

Appendix B

PAE Analysis:	Potentially Avoidable Admissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Southeast



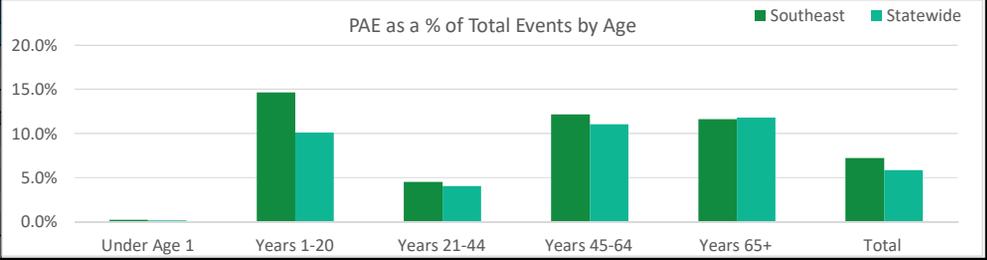
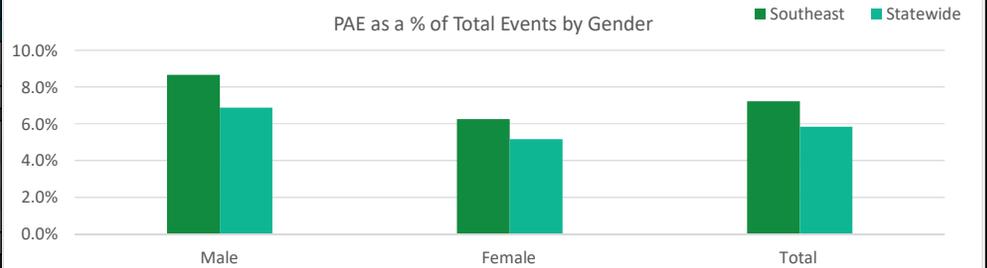
Rate Cell	Southeast			Events			Dollars		
	Total	PAE	% of Total	Total	PAE	% of Total	Total	PAE	% of Total
Under Age 1	19,376	45	0.2%	19,376	45	0.2%	\$ 180,174,865	\$ 233,304	0.1%
TANF-MAGI Ages 1-20	9,159	1,518	16.6%	9,159	1,518	16.6%	\$ 80,152,517	\$ 7,935,429	9.9%
TANF-MAGI Ages 21+	18,345	544	3.0%	18,345	544	3.0%	\$ 113,697,568	\$ 3,111,837	2.7%
Disabled-BCC Ages 1+	22,757	2,797	12.3%	22,757	2,797	12.3%	\$ 288,665,699	\$ 22,796,197	7.9%
Newly Eligible Ages 19 to 44	15,273	941	6.2%	15,273	941	6.2%	\$ 140,415,954	\$ 5,546,787	4.0%
Newly Eligible Ages 45 to 64	11,881	1,147	9.7%	11,881	1,147	9.7%	\$ 145,464,177	\$ 9,101,224	6.3%
Total	96,791	6,992	7.2%	96,791	6,992	7.2%	\$ 948,570,781	\$ 48,724,778	5.1%

Rate Cell	Statewide			Events			Dollars		
	Total	PAE	% of Total	Total	PAE	% of Total	Total	PAE	% of Total
Under Age 1	56,621	88	0.2%	56,621	88	0.2%	\$ 422,565,208	\$ 399,192	0.1%
TANF-MAGI Ages 1-20	20,853	2,255	10.8%	20,853	2,255	10.8%	\$ 175,679,399	\$ 11,735,769	6.7%
TANF-MAGI Ages 21+	50,392	1,219	2.4%	50,392	1,219	2.4%	\$ 282,650,032	\$ 6,638,777	2.3%
Disabled-BCC Ages 1+	56,651	6,449	11.4%	56,651	6,449	11.4%	\$ 708,968,224	\$ 49,009,020	6.9%
Newly Eligible Ages 19 to 44	37,450	2,118	5.7%	37,450	2,118	5.7%	\$ 330,591,843	\$ 11,954,843	3.6%
Newly Eligible Ages 45 to 64	30,490	2,597	8.5%	30,490	2,597	8.5%	\$ 366,973,717	\$ 19,201,384	5.2%
Total	252,457	14,726	5.8%	252,457	14,726	5.8%	\$ 2,287,428,422	\$ 98,938,985	4.3%

PAE Analysis:	Potentially Avoidable Admissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Southeast

5. Events and Dollars by Age Band and Gender

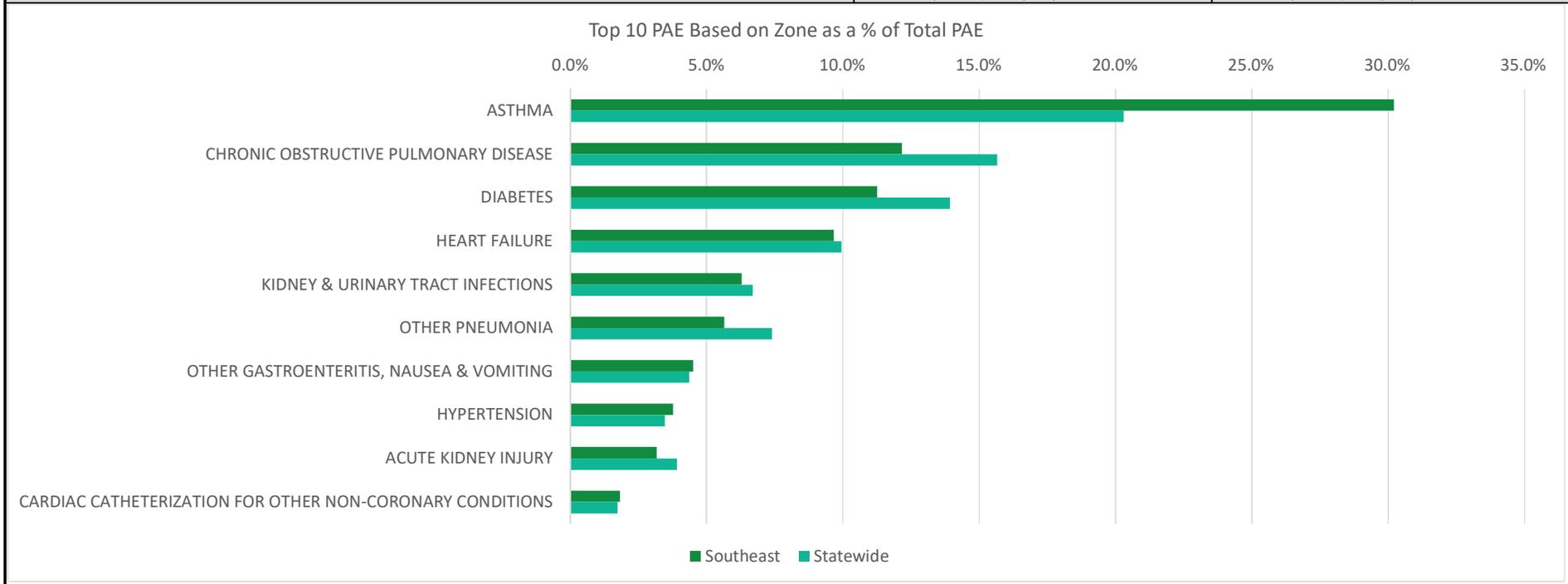
Southeast		Events			Dollars		
Age Band	Gender	Total	PAE	% of Total	Total	PAE	% of Total
All Ages	M	38,808	3,364	8.7%	\$ 459,250,593	\$ 25,059,661	5.5%
All Ages	F	57,983	3,628	6.3%	\$ 489,320,188	\$ 23,665,116	4.8%
Total		96,791	6,992	7.2%	\$ 948,570,781	\$ 48,724,778	5.1%
Under Age 1		19,376	45	0.2%	\$ 180,174,865	\$ 233,304	0.1%
Years 1-20		14,583	2,135	14.6%	\$ 158,434,835	\$ 11,427,384	7.2%
Years 21-44		36,912	1,661	4.5%	\$ 287,645,130	\$ 10,377,671	3.6%
Years 45-64		25,319	3,081	12.2%	\$ 314,113,186	\$ 26,081,594	8.3%
Years 65+		601	70	11.6%	\$ 8,202,765	\$ 604,824	7.4%
Total		96,791	6,992	7.2%	\$ 948,570,781	\$ 48,724,778	5.1%
Statewide		Events			Dollars		
Age Band	Gender	Total	PAE	% of Total	Total	PAE	% of Total
All Ages	M	97,005	6,681	6.9%	\$ 1,072,556,025	\$ 48,049,757	4.5%
All Ages	F	155,452	8,045	5.2%	\$ 1,214,872,397	\$ 50,889,228	4.2%
Total		252,457	14,726	5.8%	\$ 2,287,428,422	\$ 98,938,985	4.3%
Under Age 1		56,621	88	0.2%	\$ 422,565,208	\$ 399,192	0.1%
Years 1-20		33,279	3,362	10.1%	\$ 357,373,860	\$ 17,985,843	5.0%
Years 21-44		95,780	3,888	4.1%	\$ 697,131,523	\$ 23,192,914	3.3%
Years 45-64		65,624	7,252	11.1%	\$ 795,335,345	\$ 56,241,552	7.1%
Years 65+		1,153	136	11.8%	\$ 15,022,486	\$ 1,119,484	7.5%
Total		252,457	14,726	5.8%	\$ 2,287,428,422	\$ 98,938,985	4.3%



Appendix B

PAE Analysis: Potentially Avoidable Admissions
Program Type: Physical Health HealthChoices
Service Dates: January 1, 2017 - December 31, 2017
Zone: Southeast

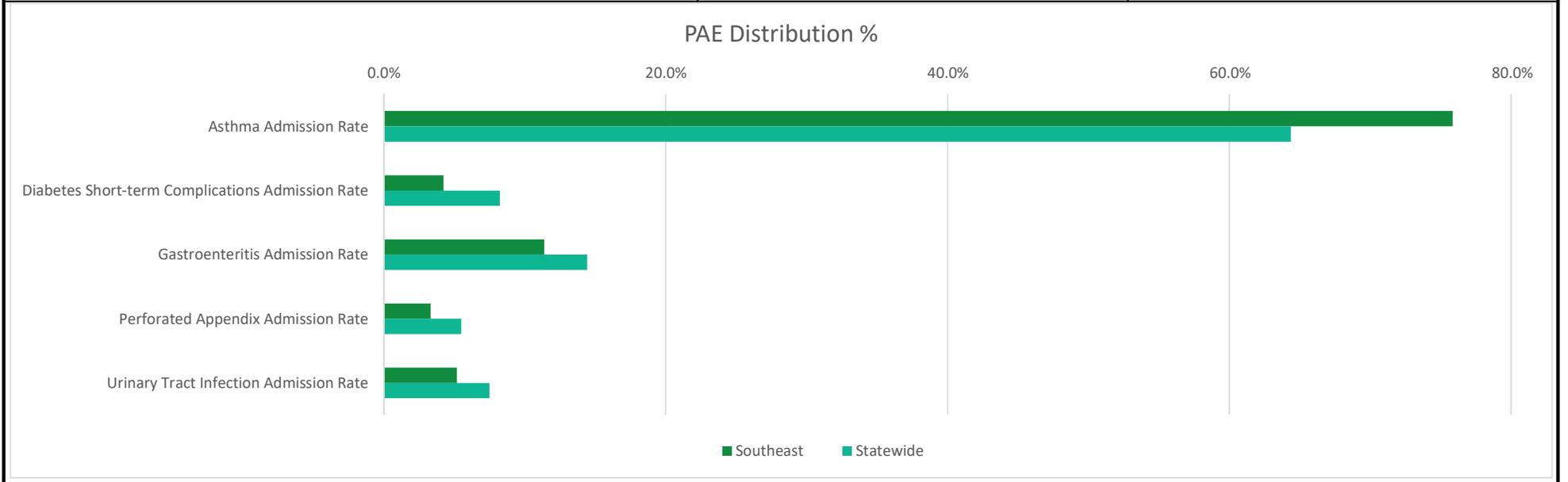
Top 10 PAE by Zone			Southeast			Statewide		
Zone Rank	APR DRG	Description	PAE	PAE Dollars	% of Total PAE	PAE	PAE Dollars	% of Total PAE
1	0141	ASTHMA	2,112	\$ 10,011,178	30.2%	2,989	\$ 13,655,256	20.3%
2	0140	CHRONIC OBSTRUCTIVE PULMONARY DISEASE	851	\$ 5,796,964	12.2%	2,307	\$ 14,410,363	15.7%
3	0420	DIABETES	787	\$ 4,168,867	11.3%	2,051	\$ 10,148,929	13.9%
4	0194	HEART FAILURE	676	\$ 5,282,549	9.7%	1,465	\$ 11,059,808	9.9%
5	0463	KIDNEY & URINARY TRACT INFECTIONS	440	\$ 2,347,769	6.3%	986	\$ 4,631,277	6.7%
6	0139	OTHER PNEUMONIA	395	\$ 2,369,024	5.6%	1,091	\$ 6,373,980	7.4%
7	0249	OTHER GASTROENTERITIS, NAUSEA & VOMITING	315	\$ 1,381,239	4.5%	643	\$ 2,786,267	4.4%
8	0199	HYPERTENSION	264	\$ 1,431,902	3.8%	512	\$ 2,603,259	3.5%
9	0469	ACUTE KIDNEY INJURY	222	\$ 1,521,277	3.2%	578	\$ 3,926,530	3.9%
10	0192	CARDIAC CATHETERIZATION FOR OTHER NON-CORONARY CONDITIONS	128	\$ 2,172,694	1.8%	257	\$ 4,056,928	1.7%
		All Else	802	\$ 12,241,316	11.5%	1,847	\$ 25,286,388	12.5%
		Total	6,992	\$ 48,724,778	100.0%	14,726	\$ 98,938,985	100.0%



Appendix B

PAE Analysis:	Potentially Avoidable Admissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Southeast

7. Admissions and Dollars by PDI (Pediatric)		Southeast			Statewide		
PDI #	PDI Description	PAE	PAE Dollars	% of Total PAE	PAE	PAE Dollars	% of Total PAE
14	Asthma Admission Rate	1,505	\$ 7,199,929	75.9%	1,901	\$ 8,795,958	64.4%
15	Diabetes Short-term Complications Admission Rate	84	\$ 586,912	4.2%	243	\$ 1,589,874	8.2%
16	Gastroenteritis Admission Rate	226	\$ 960,278	11.4%	426	\$ 1,890,933	14.4%
17	Perforated Appendix Admission Rate	66	\$ 1,008,039	3.3%	162	\$ 2,049,215	5.5%
18	Urinary Tract Infection Admission Rate	103	\$ 762,986	5.2%	221	\$ 1,343,669	7.5%
Total		1,984	\$ 10,518,144	100.0%	2,953	\$ 15,669,649	100.0%

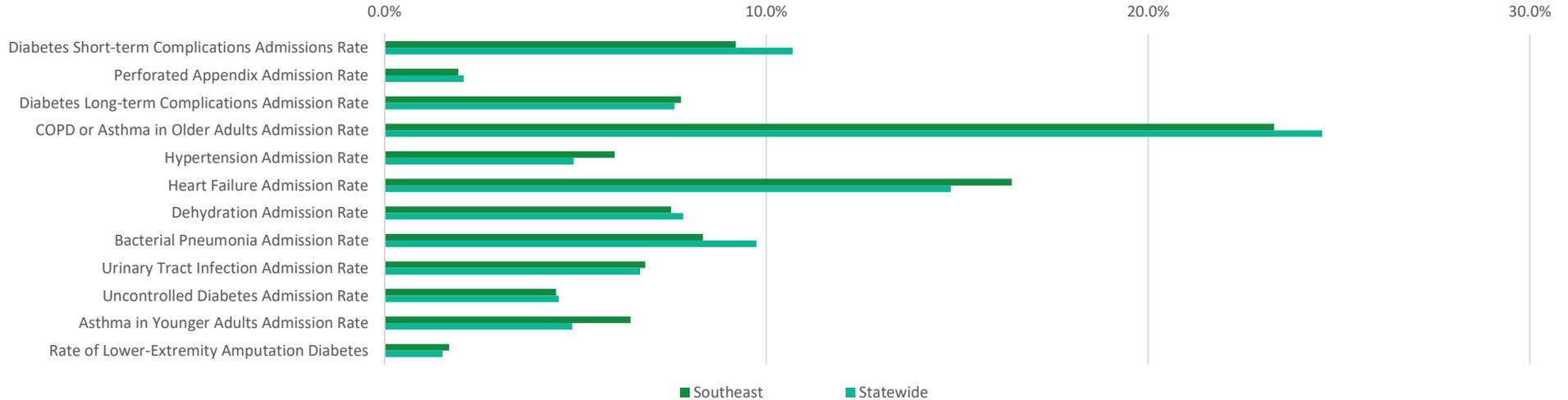


Appendix B

PAE Analysis:	Potentially Avoidable Admissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Southeast

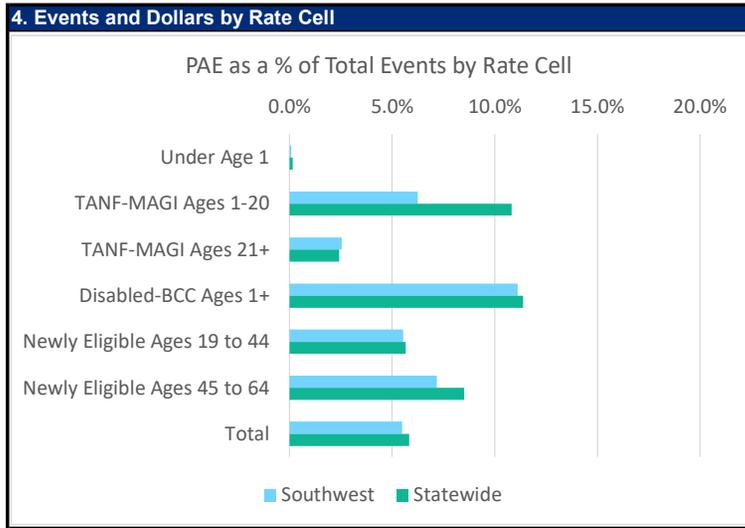
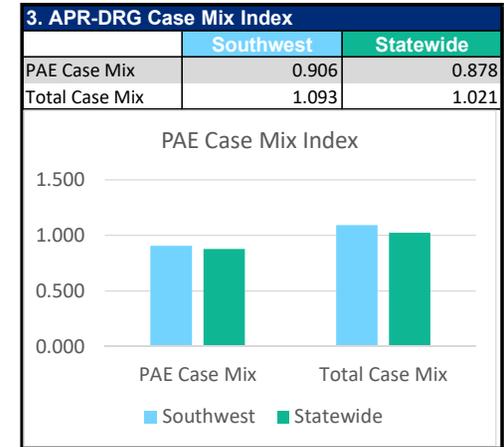
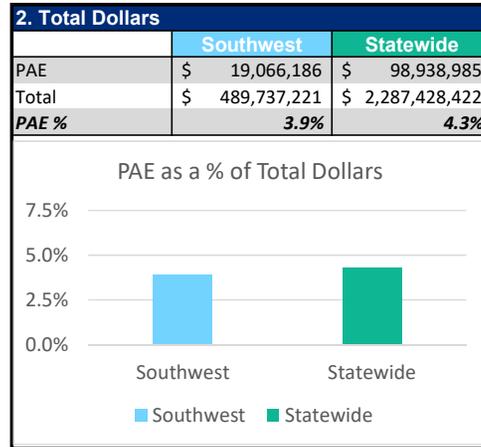
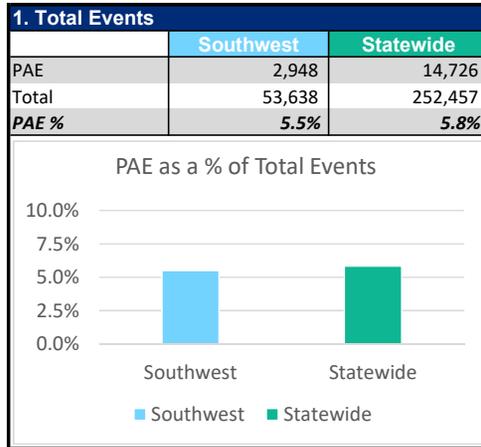
8. Admissions and Dollars by PQI (Adult)		Southeast			Statewide		
PQI #	PQI Description	PAE	PAE Dollars	% of Total PAE	PAE	PAE Dollars	% of Total PAE
1	Diabetes Short-term Complications Admissions Rate	461	\$ 3,049,752	9.2%	1,259	\$ 7,108,581	10.7%
2	Perforated Appendix Admission Rate	97	\$ 1,098,469	1.9%	245	\$ 2,489,119	2.1%
3	Diabetes Long-term Complications Admission Rate	389	\$ 4,343,060	7.8%	894	\$ 9,432,164	7.6%
5	COPD or Asthma in Older Adults Admission Rate	1,167	\$ 7,761,630	23.3%	2,892	\$ 18,369,507	24.6%
7	Hypertension Admission Rate	302	\$ 1,906,283	6.0%	584	\$ 3,512,521	5.0%
8	Heart Failure Admission Rate	823	\$ 8,283,809	16.4%	1,746	\$ 16,310,477	14.8%
10	Dehydration Admission Rate	376	\$ 2,288,040	7.5%	921	\$ 5,560,017	7.8%
11	Bacterial Pneumonia Admission Rate	418	\$ 2,752,028	8.3%	1,147	\$ 7,359,940	9.7%
12	Urinary Tract Infection Admission Rate	342	\$ 1,633,220	6.8%	788	\$ 3,568,643	6.7%
14	Uncontrolled Diabetes Admission Rate	225	\$ 826,501	4.5%	538	\$ 2,085,563	4.6%
15	Asthma in Younger Adults Admission Rate	323	\$ 1,598,943	6.4%	579	\$ 2,763,471	4.9%
16	Rate of Lower-Extremity Amputation Diabetes	85	\$ 2,664,899	1.7%	180	\$ 4,709,333	1.5%
Total		5,008	\$ 38,206,634	100.0%	11,773	\$ 83,269,336	100.0%

PAE Distribution %



Appendix B

PAE Analysis:	Potentially Avoidable Admissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Southwest



Rate Cell	Southwest			Events			Dollars		
	Total	PAE	% of Total	Total	PAE	% of Total	Total	PAE	% of Total
Under Age 1	11,363	9	0.1%	\$ 81,869,580	\$ 36,695	0.0%			
TANF-MAGI Ages 1-20	3,507	219	6.2%	\$ 31,807,668	\$ 1,264,045	4.0%			
TANF-MAGI Ages 21+	10,332	263	2.5%	\$ 56,678,588	\$ 1,326,107	2.3%			
Disabled-BCC Ages 1+	13,830	1,538	11.1%	\$ 172,769,532	\$ 10,954,369	6.3%			
Newly Eligible Ages 19 to 44	7,882	436	5.5%	\$ 69,182,585	\$ 2,282,693	3.3%			
Newly Eligible Ages 45 to 64	6,724	483	7.2%	\$ 77,429,269	\$ 3,202,277	4.1%			
Total	53,638	2,948	5.5%	\$ 489,737,221	\$ 19,066,186	3.9%			

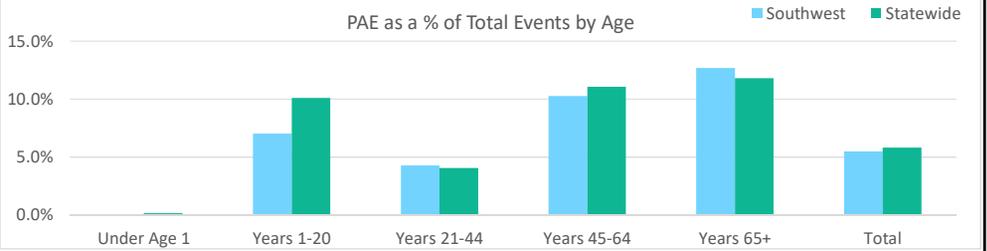
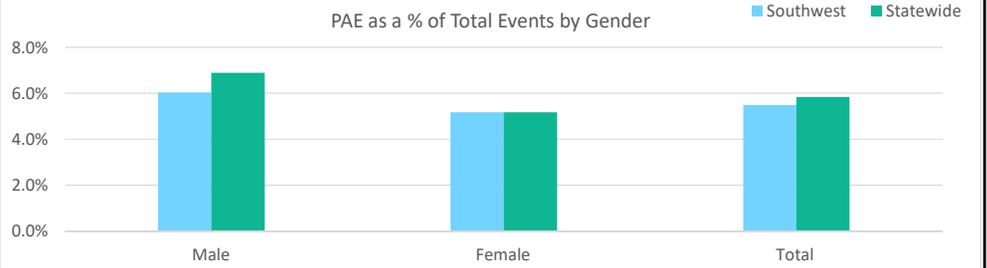
Rate Cell	Statewide			Events			Dollars		
	Total	PAE	% of Total	Total	PAE	% of Total	Total	PAE	% of Total
Under Age 1	56,621	88	0.2%	\$ 422,565,208	\$ 399,192	0.1%			
TANF-MAGI Ages 1-20	20,853	2,255	10.8%	\$ 175,679,399	\$ 11,735,769	6.7%			
TANF-MAGI Ages 21+	50,392	1,219	2.4%	\$ 282,650,032	\$ 6,638,777	2.3%			
Disabled-BCC Ages 1+	56,651	6,449	11.4%	\$ 708,968,224	\$ 49,009,020	6.9%			
Newly Eligible Ages 19 to 44	37,450	2,118	5.7%	\$ 330,591,843	\$ 11,954,843	3.6%			
Newly Eligible Ages 45 to 64	30,490	2,597	8.5%	\$ 366,973,717	\$ 19,201,384	5.2%			
Total	252,457	14,726	5.8%	\$ 2,287,428,422	\$ 98,938,985	4.3%			

PAE Analysis:	Potentially Avoidable Admissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Southwest

5. Events and Dollars by Age Band and Gender

Southwest		Events			Dollars		
Age Band	Gender	Total	PAE	% of Total	Total	PAE	% of Total
All Ages	M	20,680	1,247	6.0%	\$ 225,924,315	\$ 8,564,874	3.8%
All Ages	F	32,958	1,701	5.2%	\$ 263,812,906	\$ 10,501,312	4.0%
Total		53,638	2,948	5.5%	\$ 489,737,221	\$ 19,066,186	3.9%
Under Age 1		11,363	9	0.1%	\$ 81,869,580	\$ 36,695	0.0%
Years 1-20		6,010	422	7.0%	\$ 70,631,235	\$ 2,402,108	3.4%
Years 21-44		20,199	866	4.3%	\$ 148,536,735	\$ 4,966,193	3.3%
Years 45-64		15,932	1,634	10.3%	\$ 187,030,811	\$ 11,536,194	6.2%
Years 65+		134	17	12.7%	\$ 1,668,861	\$ 124,996	7.5%
Total		53,638	2,948	5.5%	\$ 489,737,221	\$ 19,066,186	3.9%

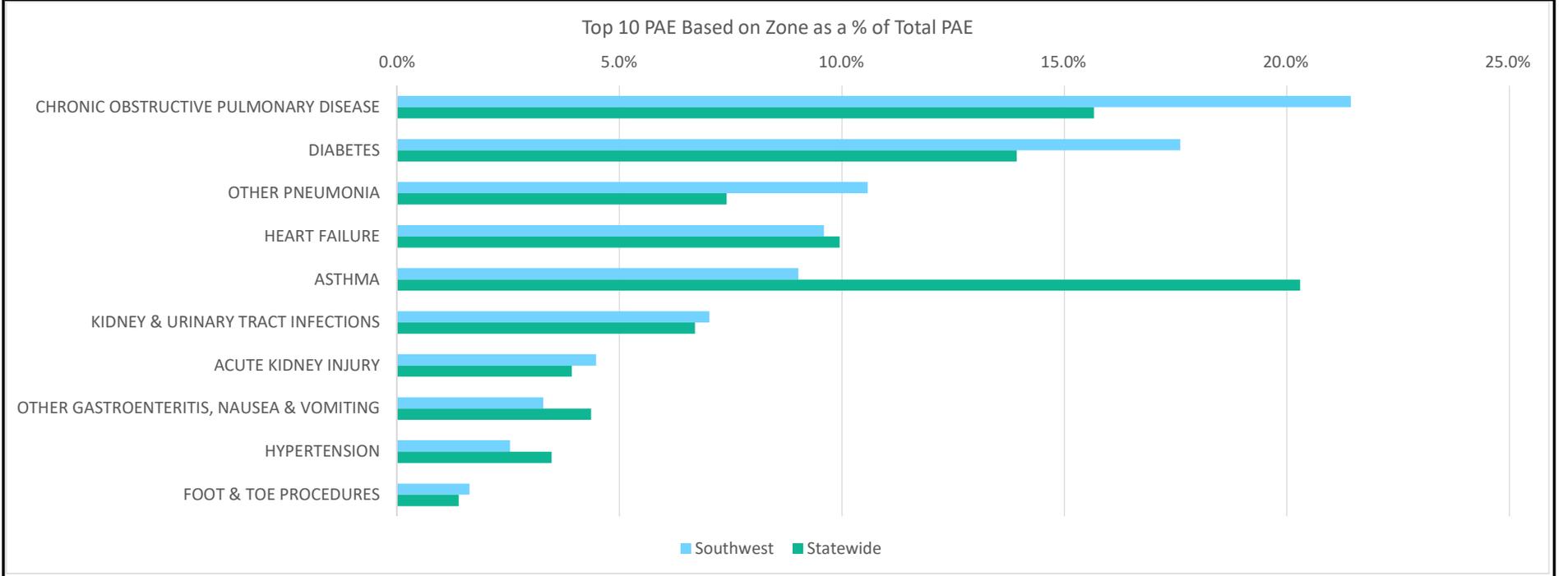
Statewide		Events			Dollars		
Age Band	Gender	Total	PAE	% of Total	Total	PAE	% of Total
All Ages	M	97,005	6,681	6.9%	\$ 1,072,556,025	\$ 48,049,757	4.5%
All Ages	F	155,452	8,045	5.2%	\$ 1,214,872,397	\$ 50,889,228	4.2%
Total		252,457	14,726	5.8%	\$ 2,287,428,422	\$ 98,938,985	4.3%
Under Age 1		56,621	88	0.2%	\$ 422,565,208	\$ 399,192	0.1%
Years 1-20		33,279	3,362	10.1%	\$ 357,373,860	\$ 17,985,843	5.0%
Years 21-44		95,780	3,888	4.1%	\$ 697,131,523	\$ 23,192,914	3.3%
Years 45-64		65,624	7,252	11.1%	\$ 795,335,345	\$ 56,241,552	7.1%
Years 65+		1,153	136	11.8%	\$ 15,022,486	\$ 1,119,484	7.5%
Total		252,457	14,726	5.8%	\$ 2,287,428,422	\$ 98,938,985	4.3%



Appendix B

PAE Analysis: Potentially Avoidable Admissions
Program Type: Physical Health HealthChoices
Service Dates: January 1, 2017 - December 31, 2017
Zone: Southwest

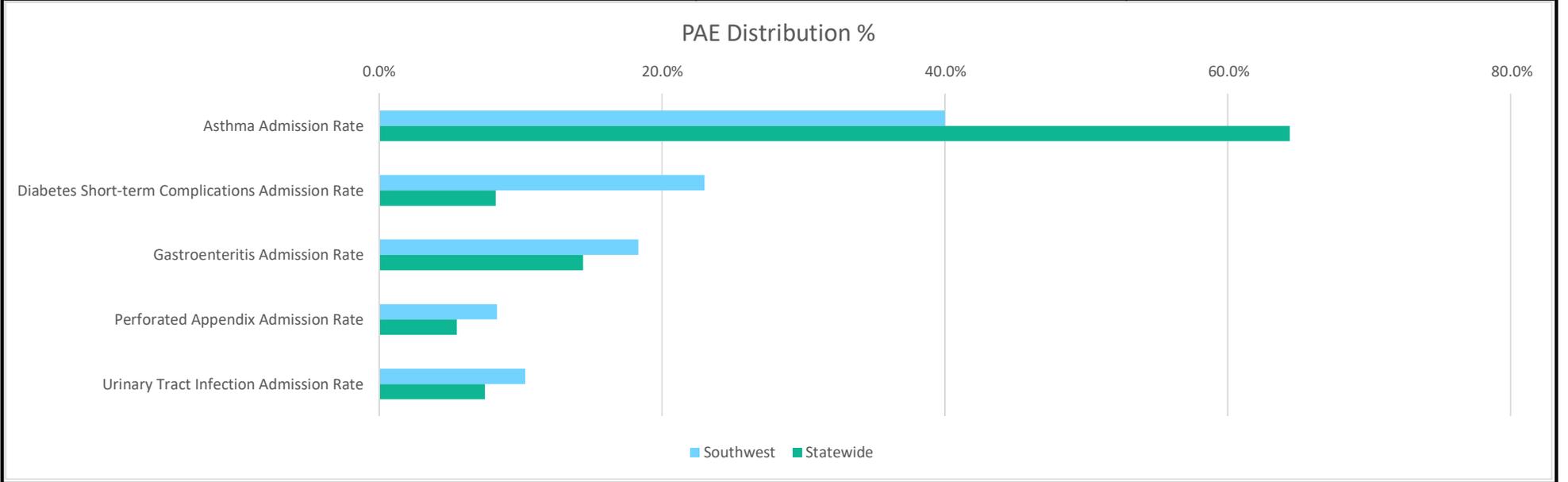
Top 10 PAE by Zone			Southwest			Statewide		
Zone Rank	APR DRG	Description	PAE	PAE Dollars	% of Total PAE	PAE	PAE Dollars	% of Total PAE
1	0140	CHRONIC OBSTRUCTIVE PULMONARY DISEASE	632	\$ 3,838,358	21.4%	2,307	\$ 14,410,363	15.7%
2	0420	DIABETES	519	\$ 2,351,955	17.6%	2,051	\$ 10,148,929	13.9%
3	0139	OTHER PNEUMONIA	312	\$ 1,795,726	10.6%	1,091	\$ 6,373,980	7.4%
4	0194	HEART FAILURE	283	\$ 2,033,879	9.6%	1,465	\$ 11,059,808	9.9%
5	0141	ASTHMA	266	\$ 1,187,101	9.0%	2,989	\$ 13,655,256	20.3%
6	0463	KIDNEY & URINARY TRACT INFECTIONS	207	\$ 865,667	7.0%	986	\$ 4,631,277	6.7%
7	0469	ACUTE KIDNEY INJURY	132	\$ 833,439	4.5%	578	\$ 3,926,530	3.9%
8	0249	OTHER GASTROENTERITIS, NAUSEA & VOMITING	97	\$ 421,315	3.3%	643	\$ 2,786,267	4.4%
9	0199	HYPERTENSION	75	\$ 350,521	2.5%	512	\$ 2,603,259	3.5%
10	0314	FOOT & TOE PROCEDURES	48	\$ 599,999	1.6%	205	\$ 2,763,805	1.4%
		All Else	377	\$ 4,788,226	12.8%	1,899	\$ 26,579,512	12.9%
		Total	2,948	\$ 19,066,186	100.0%	14,726	\$ 98,938,985	100.0%



Appendix B

PAE Analysis:	Potentially Avoidable Admissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Southwest

7. Admissions and Dollars by PDI (Pediatric)							
		Southwest			Statewide		
PDI #	PDI Description	PAE	PAE Dollars	% of Total PAE	PAE	PAE Dollars	% of Total PAE
14	Asthma Admission Rate	120	\$ 553,359	40.0%	1,901	\$ 8,795,958	64.4%
15	Diabetes Short-term Complications Admission Rate	69	\$ 449,686	23.0%	243	\$ 1,589,874	8.2%
16	Gastroenteritis Admission Rate	55	\$ 294,663	18.3%	426	\$ 1,890,933	14.4%
17	Perforated Appendix Admission Rate	25	\$ 320,903	8.3%	162	\$ 2,049,215	5.5%
18	Urinary Tract Infection Admission Rate	31	\$ 196,187	10.3%	221	\$ 1,343,669	7.5%
Total		300	\$ 1,814,799	100.0%	2,953	\$ 15,669,649	100.0%

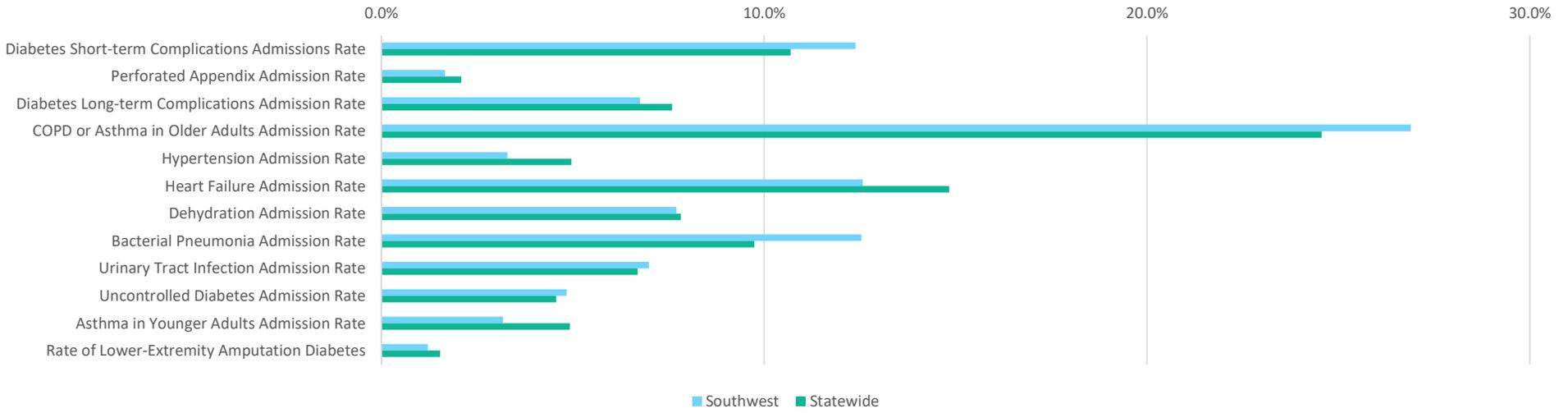


Appendix B

PAE Analysis:	Potentially Avoidable Admissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Southwest

8. Admissions and Dollars by PQI (Adult)		Southwest			Statewide		
PQI #	PQI Description	PAE	PAE Dollars	% of Total PAE	PAE	PAE Dollars	% of Total PAE
1	Diabetes Short-term Complications Admissions Rate	328	\$ 1,536,405	12.4%	1,259	\$ 7,108,581	10.7%
2	Perforated Appendix Admission Rate	44	\$ 320,708	1.7%	245	\$ 2,489,119	2.1%
3	Diabetes Long-term Complications Admission Rate	179	\$ 1,788,351	6.8%	894	\$ 9,432,164	7.6%
5	COPD or Asthma in Older Adults Admission Rate	712	\$ 4,644,548	26.9%	2,892	\$ 18,369,507	24.6%
7	Hypertension Admission Rate	87	\$ 528,986	3.3%	584	\$ 3,512,521	5.0%
8	Heart Failure Admission Rate	333	\$ 2,801,309	12.6%	1,746	\$ 16,310,477	14.8%
10	Dehydration Admission Rate	204	\$ 1,165,938	7.7%	921	\$ 5,560,017	7.8%
11	Bacterial Pneumonia Admission Rate	332	\$ 2,193,978	12.5%	1,147	\$ 7,359,940	9.7%
12	Urinary Tract Infection Admission Rate	185	\$ 799,546	7.0%	788	\$ 3,568,643	6.7%
14	Uncontrolled Diabetes Admission Rate	128	\$ 494,348	4.8%	538	\$ 2,085,563	4.6%
15	Asthma in Younger Adults Admission Rate	84	\$ 365,311	3.2%	579	\$ 2,763,471	4.9%
16	Rate of Lower-Extremity Amputation Diabetes	32	\$ 611,959	1.2%	180	\$ 4,709,333	1.5%
Total		2,648	\$ 17,251,386	100.0%	11,773	\$ 83,269,336	100.0%

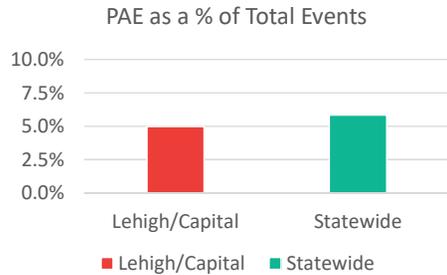
PAE Distribution %



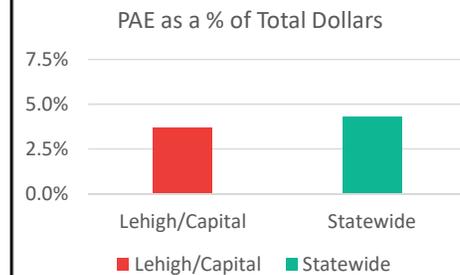
Appendix B

PAE Analysis:	Potentially Avoidable Admissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Lehigh/Capital

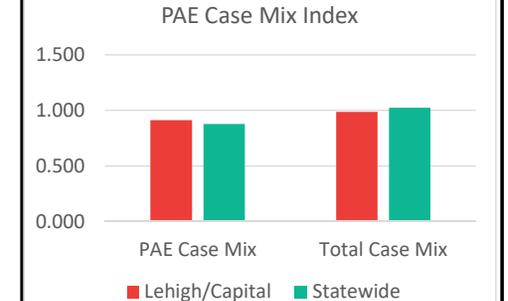
1. Total Events		
	Lehigh/Capital	Statewide
PAE	2,611	14,726
Total	52,542	252,457
PAE %	5.0%	5.8%



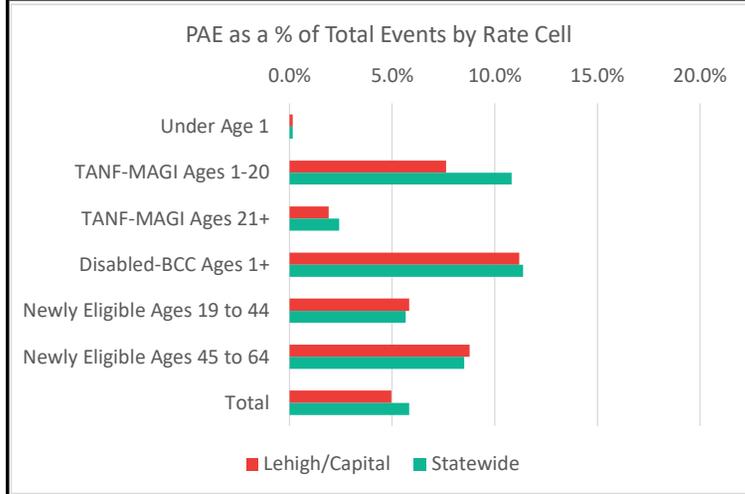
2. Total Dollars		
	Lehigh/Capital	Statewide
PAE	\$ 16,481,098	\$ 98,938,985
Total	\$ 447,903,606	\$ 2,287,428,422
PAE %	3.7%	4.3%



3. APR-DRG Case Mix Index		
	Lehigh/Capital	Statewide
PAE Case Mix	0.912	0.878
Total Case Mix	0.988	1.021



4. Events and Dollars by Rate Cell



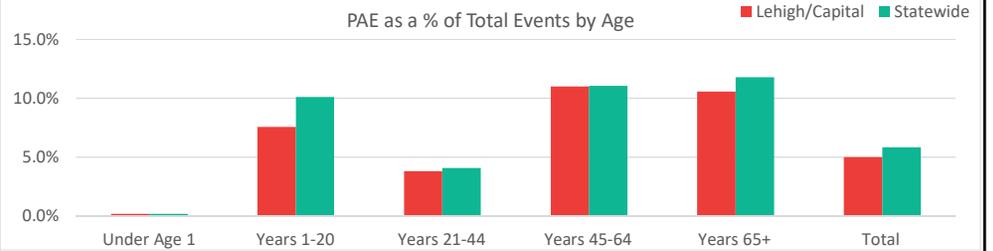
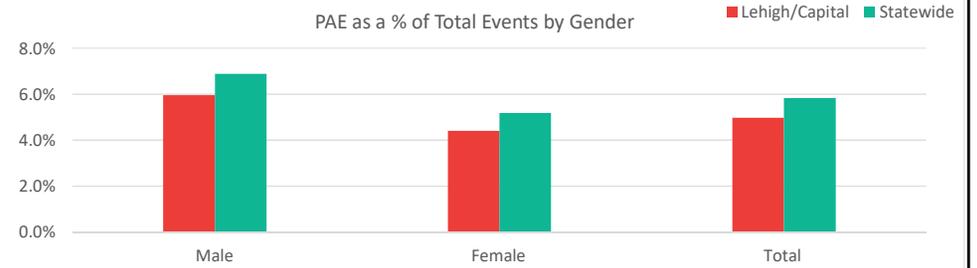
Rate Cell	Lehigh/Capital			Statewide		
	Total	PAE	% of Total	Total	PAE	% of Total
Under Age 1	13,639	20	0.1%	56,621	88	0.2%
TANF-MAGI Ages 1-20	4,299	328	7.6%	20,853	2,255	10.8%
TANF-MAGI Ages 21+	11,561	221	1.9%	50,392	1,219	2.4%
Disabled-BCC Ages 1+	9,830	1,100	11.2%	56,651	6,449	11.4%
Newly Eligible Ages 19 to 44	7,376	430	5.8%	37,450	2,118	5.7%
Newly Eligible Ages 45 to 64	5,837	512	8.8%	30,490	2,597	8.5%
Total	52,542	2,611	5.0%	252,457	14,726	5.8%

Rate Cell	Lehigh/Capital			Statewide		
	Total	PAE	% of Total	Total	PAE	% of Total
Under Age 1	\$ 89,792,884	\$ 71,124	0.1%	\$ 422,565,208	\$ 399,192	0.1%
TANF-MAGI Ages 1-20	\$ 34,669,175	\$ 1,578,333	4.6%	\$ 175,679,399	\$ 11,735,769	6.7%
TANF-MAGI Ages 21+	\$ 60,553,059	\$ 1,133,055	1.9%	\$ 282,650,032	\$ 6,638,777	2.3%
Disabled-BCC Ages 1+	\$ 127,488,321	\$ 7,638,103	6.0%	\$ 708,968,224	\$ 49,009,020	6.9%
Newly Eligible Ages 19 to 44	\$ 62,992,000	\$ 2,433,553	3.9%	\$ 330,591,843	\$ 11,954,843	3.6%
Newly Eligible Ages 45 to 64	\$ 72,408,167	\$ 3,626,930	5.0%	\$ 366,973,717	\$ 19,201,384	5.2%
Total	\$ 447,903,606	\$ 16,481,098	3.7%	\$ 2,287,428,422	\$ 98,938,985	4.3%

Appendix B

PAE Analysis:	Potentially Avoidable Admissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Lehigh/Capital

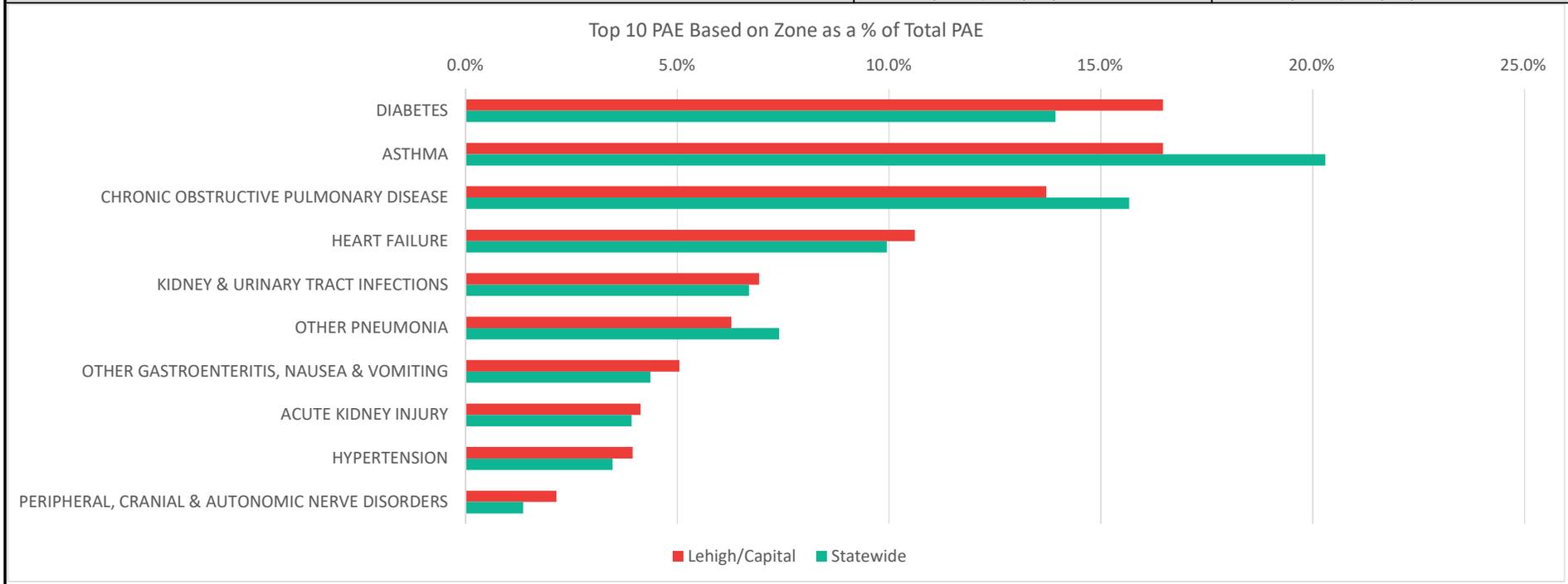
5. Events and Dollars by Age Band and Gender							
Lehigh/Capital		Events			Dollars		
Age Band	Gender	Total	PAE	% of Total	Total	PAE	% of Total
All Ages	M	19,145	1,141	6.0%	\$ 205,271,737	\$ 7,812,661	3.8%
All Ages	F	33,397	1,470	4.4%	\$ 242,631,869	\$ 8,668,437	3.6%
Total		52,542	2,611	5.0%	\$ 447,903,606	\$ 16,481,098	3.7%
Under Age 1		13,639	20	0.1%	\$ 89,792,884	\$ 71,124	0.1%
Years 1-20		6,784	513	7.6%	\$ 73,780,935	\$ 2,561,166	3.5%
Years 21-44		20,153	763	3.8%	\$ 136,698,847	\$ 4,438,761	3.2%
Years 45-64		11,673	1,284	11.0%	\$ 144,191,400	\$ 9,202,372	6.4%
Years 65+		293	31	10.6%	\$ 3,439,538	\$ 207,675	6.0%
Total		52,542	2,611	5.0%	\$ 447,903,606	\$ 16,481,098	3.7%
Statewide		Events			Dollars		
Age Band	Gender	Total	PAE	% of Total	Total	PAE	% of Total
All Ages	M	97,005	6,681	6.9%	\$ 1,072,556,025	\$ 48,049,757	4.5%
All Ages	F	155,452	8,045	5.2%	\$ 1,214,872,397	\$ 50,889,228	4.2%
Total		252,457	14,726	5.8%	\$ 2,287,428,422	\$ 98,938,985	4.3%
Under Age 1		56,621	88	0.2%	\$ 422,565,208	\$ 399,192	0.1%
Years 1-20		33,279	3,362	10.1%	\$ 357,373,860	\$ 17,985,843	5.0%
Years 21-44		95,780	3,888	4.1%	\$ 697,131,523	\$ 23,192,914	3.3%
Years 45-64		65,624	7,252	11.1%	\$ 795,335,345	\$ 56,241,552	7.1%
Years 65+		1,153	136	11.8%	\$ 15,022,486	\$ 1,119,484	7.5%
Total		252,457	14,726	5.8%	\$ 2,287,428,422	\$ 98,938,985	4.3%



Appendix B

PAE Analysis: Potentially Avoidable Admissions
Program Type: Physical Health HealthChoices
Service Dates: January 1, 2017 - December 31, 2017
Zone: Lehigh/Capital

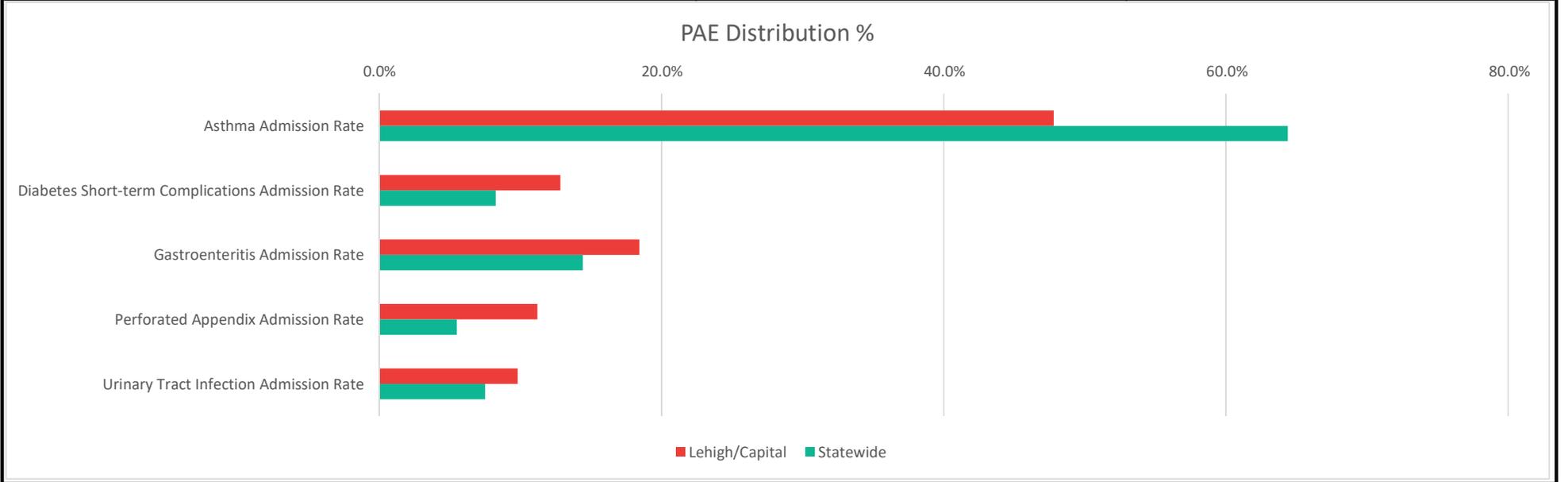
6. Events and Dollars by Top 10 APR-DRG			Lehigh/Capital			Statewide		
Top 10 PAE by Zone			PAE	PAE Dollars	% of Total PAE	PAE	PAE Dollars	% of Total PAE
Zone Rank	APR DRG	Description						
1	0420	DIABETES	430	\$ 2,026,025	16.5%	2,051	\$ 10,148,929	13.9%
2	0141	ASTHMA	430	\$ 1,696,738	16.5%	2,989	\$ 13,655,256	20.3%
3	0140	CHRONIC OBSTRUCTIVE PULMONARY DISEASE	358	\$ 2,053,732	13.7%	2,307	\$ 14,410,363	15.7%
4	0194	HEART FAILURE	277	\$ 2,096,268	10.6%	1,465	\$ 11,059,808	9.9%
5	0463	KIDNEY & URINARY TRACT INFECTIONS	181	\$ 774,102	6.9%	986	\$ 4,631,277	6.7%
6	0139	OTHER PNEUMONIA	164	\$ 1,025,189	6.3%	1,091	\$ 6,373,980	7.4%
7	0249	OTHER GASTROENTERITIS, NAUSEA & VOMITING	132	\$ 565,769	5.1%	643	\$ 2,786,267	4.4%
8	0469	ACUTE KIDNEY INJURY	108	\$ 748,210	4.1%	578	\$ 3,926,530	3.9%
9	0199	HYPERTENSION	103	\$ 507,529	3.9%	512	\$ 2,603,259	3.5%
10	0048	PERIPHERAL, CRANIAL & AUTONOMIC NERVE DISORDERS	56	\$ 394,005	2.1%	200	\$ 1,279,818	1.4%
		All Else	372	\$ 4,593,532	14.2%	1,904	\$ 28,063,498	12.9%
		Total	2,611	\$ 16,481,098	100.0%	14,726	\$ 98,938,985	100.0%



Appendix B

PAE Analysis:	Potentially Avoidable Admissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Lehigh/Capital

7. Admissions and Dollars by PDI (Pediatric)						
		Lehigh/Capital			Statewide	
PDI #	PDI Description	PAE	PAE Dollars	% of Total PAE	PAE	PAE Dollars
14	Asthma Admission Rate	205	\$ 808,718	47.8%	1,901	\$ 8,795,958
15	Diabetes Short-term Complications Admission Rate	55	\$ 250,878	12.8%	243	\$ 1,589,874
16	Gastroenteritis Admission Rate	79	\$ 332,617	18.4%	426	\$ 1,890,933
17	Perforated Appendix Admission Rate	48	\$ 514,382	11.2%	162	\$ 2,049,215
18	Urinary Tract Infection Admission Rate	42	\$ 198,217	9.8%	221	\$ 1,343,669
Total		429	\$ 2,104,812	100.0%	2,953	\$ 15,669,649

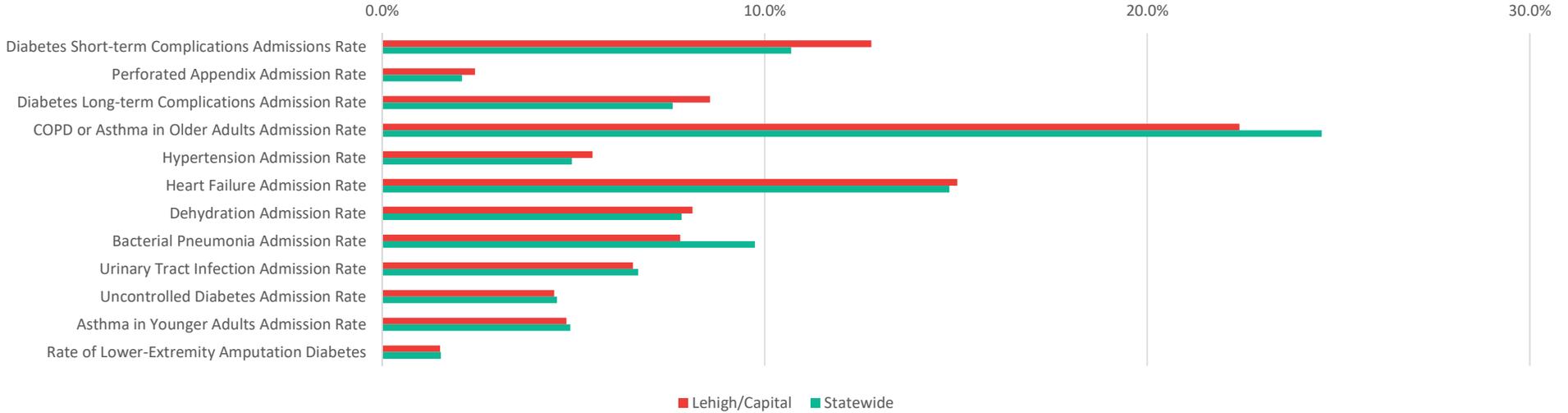


Appendix B

PAE Analysis:	Potentially Avoidable Admissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Lehigh/Capital

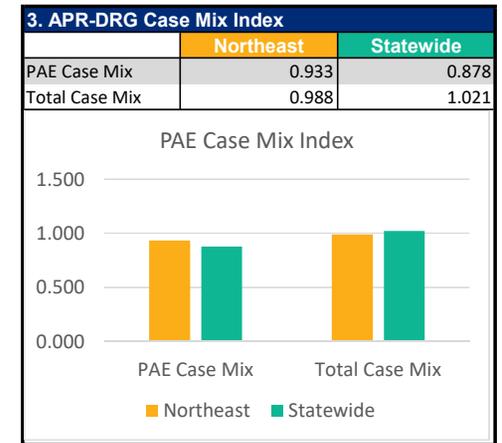
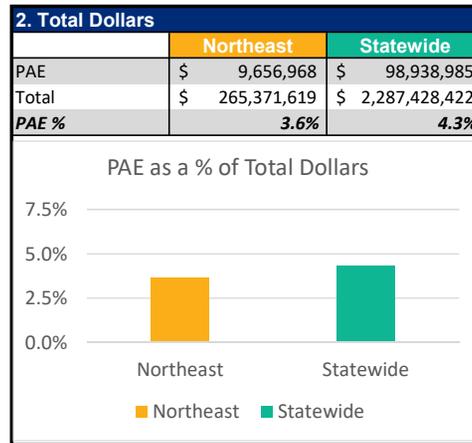
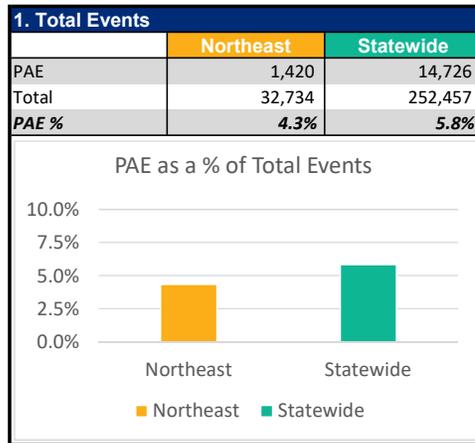
8. Admissions and Dollars by PQI (Adult)		Lehigh/Capital			Statewide		
		PAE	PAE Dollars	% of Total PAE	PAE	PAE Dollars	% of Total PAE
1	Diabetes Short-term Complications Admissions Rate	279	\$ 1,448,940	12.8%	1,259	\$ 7,108,581	10.7%
2	Perforated Appendix Admission Rate	53	\$ 476,129	2.4%	245	\$ 2,489,119	2.1%
3	Diabetes Long-term Complications Admission Rate	187	\$ 1,780,914	8.6%	894	\$ 9,432,164	7.6%
5	COPD or Asthma in Older Adults Admission Rate	489	\$ 2,704,138	22.4%	2,892	\$ 18,369,507	24.6%
7	Hypertension Admission Rate	120	\$ 686,359	5.5%	584	\$ 3,512,521	5.0%
8	Heart Failure Admission Rate	328	\$ 2,892,210	15.0%	1,746	\$ 16,310,477	14.8%
10	Dehydration Admission Rate	177	\$ 1,079,371	8.1%	921	\$ 5,560,017	7.8%
11	Bacterial Pneumonia Admission Rate	170	\$ 1,123,469	7.8%	1,147	\$ 7,359,940	9.7%
12	Urinary Tract Infection Admission Rate	143	\$ 607,709	6.6%	788	\$ 3,568,643	6.7%
14	Uncontrolled Diabetes Admission Rate	98	\$ 381,506	4.5%	538	\$ 2,085,563	4.6%
15	Asthma in Younger Adults Admission Rate	105	\$ 442,383	4.8%	579	\$ 2,763,471	4.9%
16	Rate of Lower-Extremity Amputation Diabetes	33	\$ 753,159	1.5%	180	\$ 4,709,333	1.5%
Total		2,182	\$ 14,376,286	100.0%	11,773	\$ 83,269,336	100.0%

PAE Distribution %

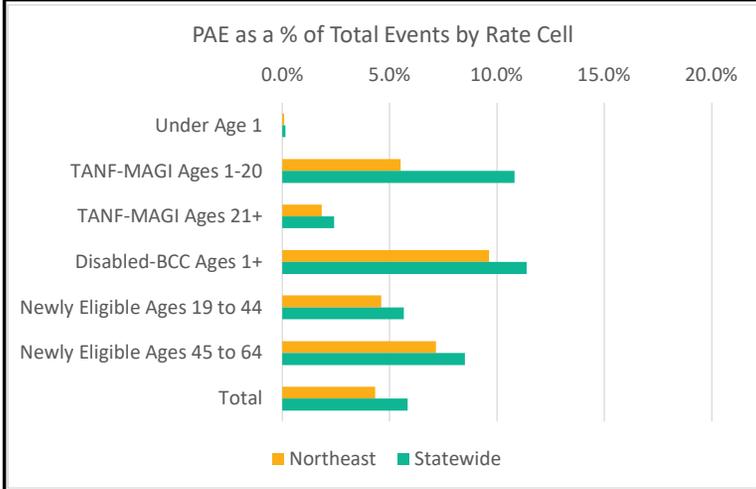


Appendix B

PAE Analysis:	Potentially Avoidable Admissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Northeast



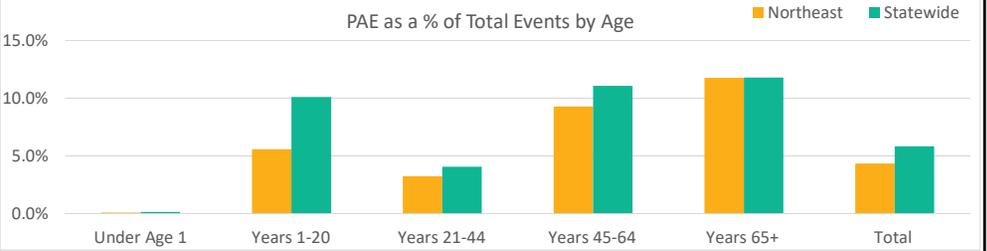
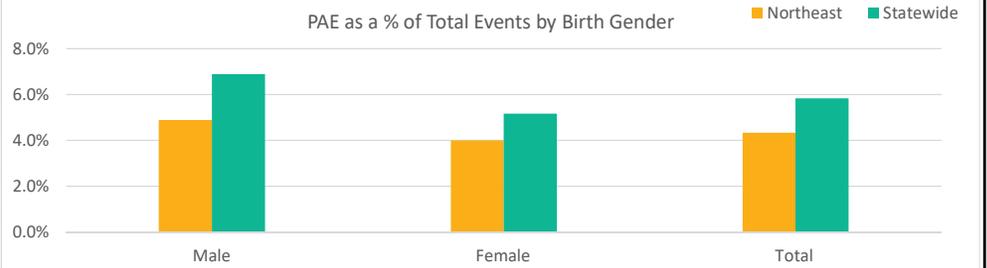
4. Events and Dollars by Rate Cell



Rate Cell	Northeast			Events			Dollars		
	Total	PAE	% of Total	Total	PAE	% of Total	Total	PAE	% of Total
Under Age 1	7,976	7	0.1%	\$ 46,001,161	\$ 14,469	0.0%			
TANF-MAGI Ages 1-20	2,537	140	5.5%	\$ 18,000,585	\$ 700,899	3.9%			
TANF-MAGI Ages 21+	6,780	125	1.8%	\$ 34,948,324	\$ 733,477	2.1%			
Disabled-BCC Ages 1+	6,537	630	9.6%	\$ 76,341,964	\$ 4,864,548	6.4%			
Newly Eligible Ages 19 to 44	4,681	216	4.6%	\$ 39,624,887	\$ 1,160,862	2.9%			
Newly Eligible Ages 45 to 64	4,223	302	7.2%	\$ 50,454,698	\$ 2,182,713	4.3%			
Total	32,734	1,420	4.3%	\$ 265,371,619	\$ 9,656,968	3.6%			
Rate Cell	Statewide			Events			Dollars		
	Total	PAE	% of Total	Total	PAE	% of Total	Total	PAE	% of Total
Under Age 1	56,621	88	0.2%	\$ 422,565,208	\$ 399,192	0.1%			
TANF-MAGI Ages 1-20	20,853	2,255	10.8%	\$ 175,679,399	\$ 11,735,769	6.7%			
TANF-MAGI Ages 21+	50,392	1,219	2.4%	\$ 282,650,032	\$ 6,638,777	2.3%			
Disabled-BCC Ages 1+	56,651	6,449	11.4%	\$ 708,968,224	\$ 49,009,020	6.9%			
Newly Eligible Ages 19 to 44	37,450	2,118	5.7%	\$ 330,591,843	\$ 11,954,843	3.6%			
Newly Eligible Ages 45 to 64	30,490	2,597	8.5%	\$ 366,973,717	\$ 19,201,384	5.2%			
Total	252,457	14,726	5.8%	\$ 2,287,428,422	\$ 98,938,985	4.3%			

PAE Analysis:	Potentially Avoidable Admissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Northeast

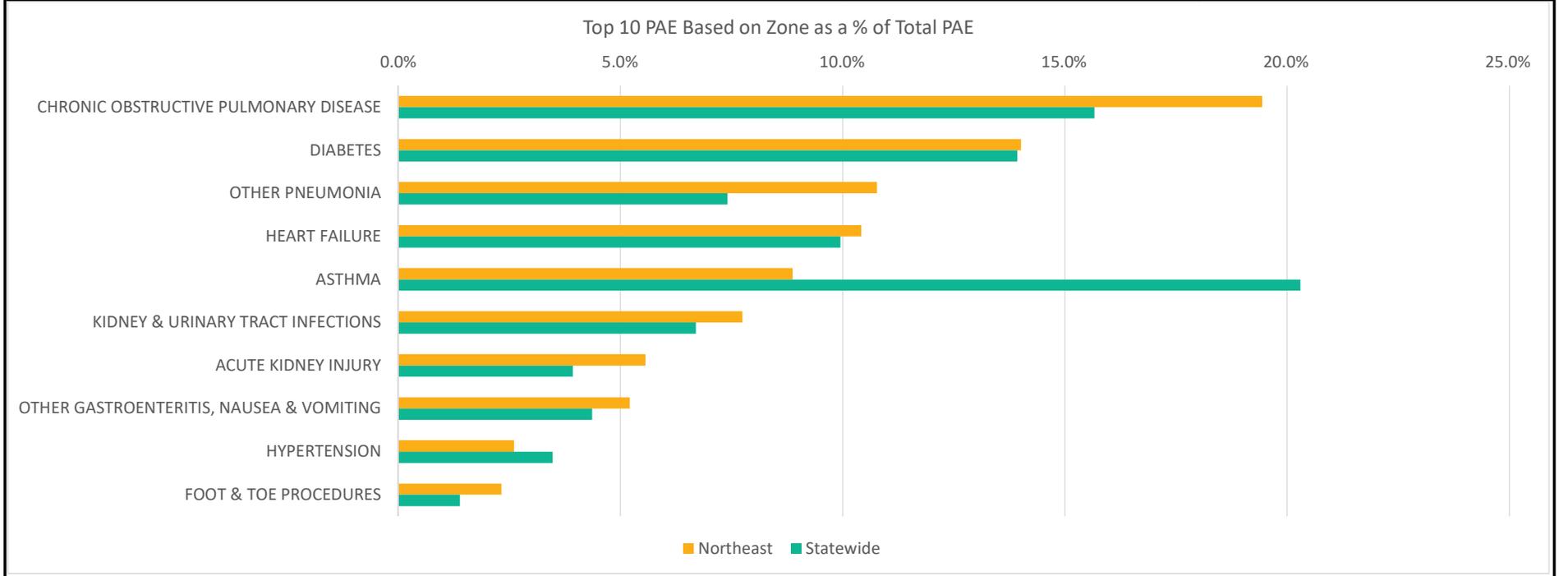
5. Events and Dollars by Age Band and Gender							
Northeast		Events			Dollars		
Age Band	Gender	Total	PAE	% of Total	Total	PAE	% of Total
All Ages	M	12,245	599	4.9%	\$ 119,718,364	\$ 4,327,514	3.6%
All Ages	F	20,489	821	4.0%	\$ 145,653,255	\$ 5,329,454	3.7%
Total		32,734	1,420	4.3%	\$ 265,371,619	\$ 9,656,968	3.6%
Under Age 1		7,976	7	0.1%	\$ 46,001,161	\$ 14,469	0.0%
Years 1-20		3,844	214	5.6%	\$ 34,204,904	\$ 1,202,068	3.5%
Years 21-44		12,339	400	3.2%	\$ 83,056,329	\$ 2,272,837	2.7%
Years 45-64		8,473	787	9.3%	\$ 100,671,212	\$ 6,040,714	6.0%
Years 65+		102	12	11.8%	\$ 1,438,013	\$ 126,880	8.8%
Total		32,734	1,420	4.3%	\$ 265,371,619	\$ 9,656,968	3.6%
Statewide		Events			Dollars		
Age Band	Gender	Total	PAE	% of Total	Total	PAE	% of Total
All Ages	M	97,005	6,681	6.9%	\$ 1,072,556,025	\$ 48,049,757	4.5%
All Ages	F	155,452	8,045	5.2%	\$ 1,214,872,397	\$ 50,889,228	4.2%
Total		252,457	14,726	5.8%	\$ 2,287,428,422	\$ 98,938,985	4.3%
Under Age 1		56,621	88	0.2%	\$ 422,565,208	\$ 399,192	0.1%
Years 1-20		33,279	3,362	10.1%	\$ 357,373,860	\$ 17,985,843	5.0%
Years 21-44		95,780	3,888	4.1%	\$ 697,131,523	\$ 23,192,914	3.3%
Years 45-64		65,624	7,252	11.1%	\$ 795,335,345	\$ 56,241,552	7.1%
Years 65+		1,153	136	11.8%	\$ 15,022,486	\$ 1,119,484	7.5%
Total		252,457	14,726	5.8%	\$ 2,287,428,422	\$ 98,938,985	4.3%



Appendix B

PAE Analysis: Potentially Avoidable Admissions
Program Type: Physical Health HealthChoices
Service Dates: January 1, 2017 - December 31, 2017
Zone: Northeast

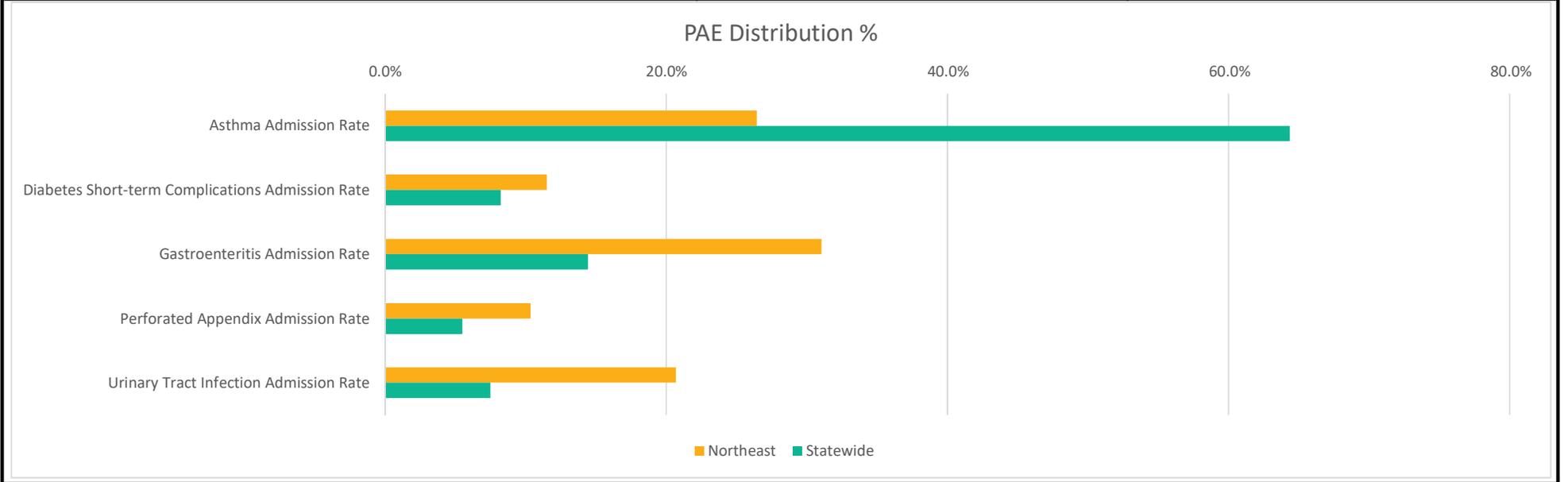
Top 10 PAE by Zone			Northeast			Statewide		
Zone Rank	APR DRG	Description	PAE	PAE Dollars	% of Total PAE	PAE	PAE Dollars	% of Total PAE
1	0140	CHRONIC OBSTRUCTIVE PULMONARY DISEASE	276	\$ 1,666,059	19.4%	2,307	\$ 14,410,363	15.7%
2	0420	DIABETES	199	\$ 1,035,352	14.0%	2,051	\$ 10,148,929	13.9%
3	0139	OTHER PNEUMONIA	153	\$ 860,485	10.8%	1,091	\$ 6,373,980	7.4%
4	0194	HEART FAILURE	148	\$ 1,092,768	10.4%	1,465	\$ 11,059,808	9.9%
5	0141	ASTHMA	126	\$ 534,377	8.9%	2,989	\$ 13,655,256	20.3%
6	0463	KIDNEY & URINARY TRACT INFECTIONS	110	\$ 441,394	7.7%	986	\$ 4,631,277	6.7%
7	0469	ACUTE KIDNEY INJURY	79	\$ 569,838	5.6%	578	\$ 3,926,530	3.9%
8	0249	OTHER GASTROENTERITIS, NAUSEA & VOMITING	74	\$ 287,524	5.2%	643	\$ 2,786,267	4.4%
9	0199	HYPERTENSION	37	\$ 160,391	2.6%	512	\$ 2,603,259	3.5%
10	0314	FOOT & TOE PROCEDURES	33	\$ 479,384	2.3%	205	\$ 2,763,805	1.4%
		All Else	185	\$ 2,529,397	13.0%	1,899	\$ 26,579,512	12.9%
		Total	1,420	\$ 9,656,968	100.0%	14,726	\$ 98,938,985	100.0%



Appendix B

PAE Analysis:	Potentially Avoidable Admissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Northeast

7. Admissions and Dollars by PDI (Pediatric)							
		Northeast			Statewide		
PDI #	PDI Description	PAE	PAE Dollars	% of Total PAE	PAE	PAE Dollars	% of Total PAE
14	Asthma Admission Rate	46	\$ 147,497	26.4%	1,901	\$ 8,795,958	64.4%
15	Diabetes Short-term Complications Admission Rate	20	\$ 217,205	11.5%	243	\$ 1,589,874	8.2%
16	Gastroenteritis Admission Rate	54	\$ 226,535	31.0%	426	\$ 1,890,933	14.4%
17	Perforated Appendix Admission Rate	18	\$ 159,673	10.3%	162	\$ 2,049,215	5.5%
18	Urinary Tract Infection Admission Rate	36	\$ 146,492	20.7%	221	\$ 1,343,669	7.5%
Total		174	\$ 897,402	100.0%	2,953	\$ 15,669,649	100.0%

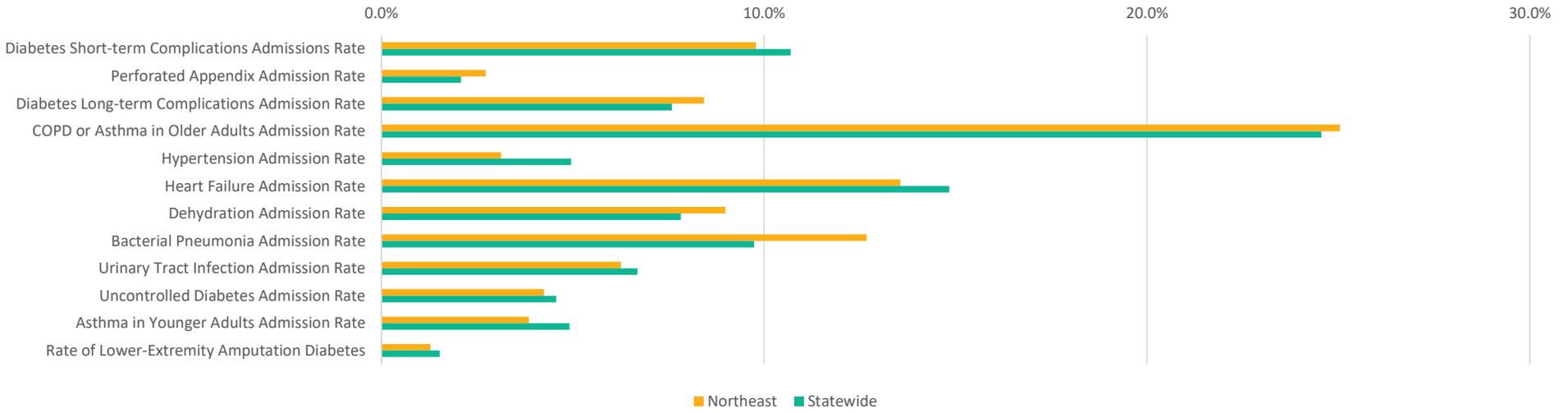


Appendix B

PAE Analysis:	Potentially Avoidable Admissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Northeast

8. Admissions and Dollars by PQI (Adult)		Northeast			Statewide		
PQI #	PQI Description	PAE	PAE Dollars	% of Total PAE	PAE	PAE Dollars	% of Total PAE
1	Diabetes Short-term Complications Admissions Rate	122	\$ 605,433	9.8%	1,259	\$ 7,108,581	10.7%
2	Perforated Appendix Admission Rate	34	\$ 437,028	2.7%	245	\$ 2,489,119	2.1%
3	Diabetes Long-term Complications Admission Rate	105	\$ 1,205,354	8.4%	894	\$ 9,432,164	7.6%
5	COPD or Asthma in Older Adults Admission Rate	312	\$ 1,851,918	25.0%	2,892	\$ 18,369,507	24.6%
7	Hypertension Admission Rate	39	\$ 193,949	3.1%	584	\$ 3,512,521	5.0%
8	Heart Failure Admission Rate	169	\$ 1,616,601	13.6%	1,746	\$ 16,310,477	14.8%
10	Dehydration Admission Rate	112	\$ 713,631	9.0%	921	\$ 5,560,017	7.8%
11	Bacterial Pneumonia Admission Rate	158	\$ 947,659	12.7%	1,147	\$ 7,359,940	9.7%
12	Urinary Tract Infection Admission Rate	78	\$ 357,084	6.3%	788	\$ 3,568,643	6.7%
14	Uncontrolled Diabetes Admission Rate	53	\$ 253,626	4.3%	538	\$ 2,085,563	4.6%
15	Asthma in Younger Adults Admission Rate	48	\$ 227,227	3.9%	579	\$ 2,763,471	4.9%
16	Rate of Lower-Extremity Amputation Diabetes	16	\$ 350,057	1.3%	180	\$ 4,709,333	1.5%
Total		1,246	\$ 8,759,566	100.0%	11,773	\$ 83,269,336	100.0%

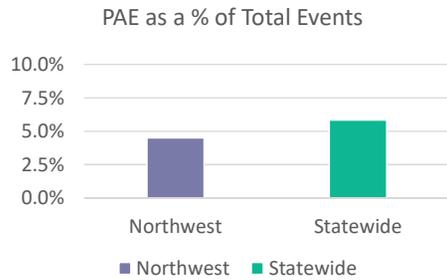
PAE Distribution %



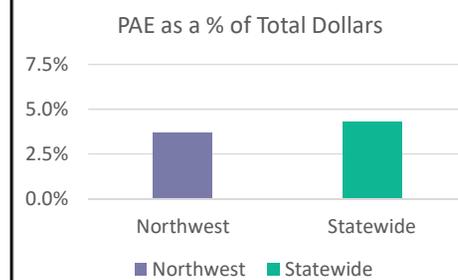
Appendix B

PAE Analysis:	Potentially Avoidable Admissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Northwest

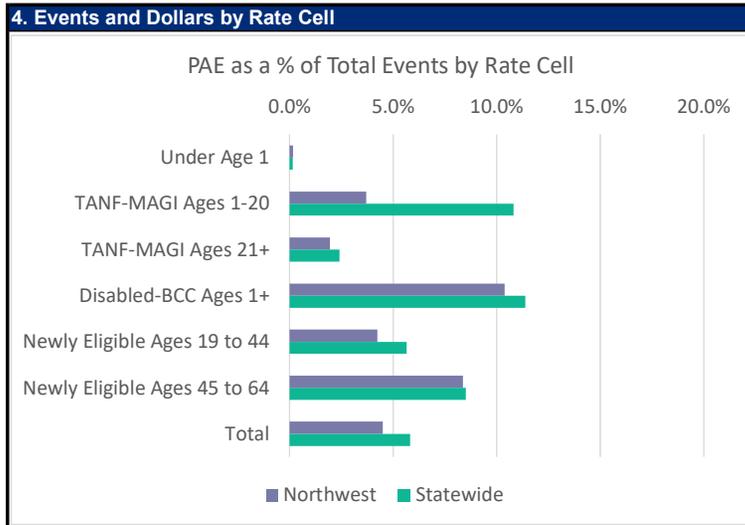
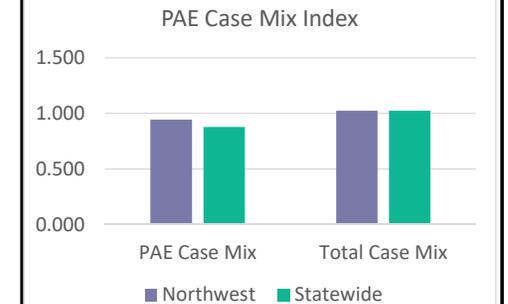
1. Total Events		
	Northwest	Statewide
PAE	755	14,726
Total	16,752	252,457
PAE %	4.5%	5.8%



2. Total Dollars		
	Northwest	Statewide
PAE	\$ 5,009,955	\$ 98,938,985
Total	\$ 135,845,196	\$ 2,287,428,422
PAE %	3.7%	4.3%



3. APR-DRG Case Mix Index		
	Northwest	Statewide
PAE Case Mix	0.945	0.878
Total Case Mix	1.024	1.021



Rate Cell	Northwest			Events			Dollars		
	Total	PAE	% of Total	Total	PAE	% of Total	Total	PAE	% of Total
Under Age 1	4,267	7	0.2%	4,267	7	0.2%	\$ 24,726,718	\$ 43,600	0.2%
TANF-MAGI Ages 1-20	1,351	50	3.7%	1,351	50	3.7%	\$ 11,049,454	\$ 257,063	2.3%
TANF-MAGI Ages 21+	3,374	66	2.0%	3,374	66	2.0%	\$ 16,772,492	\$ 334,301	2.0%
Disabled-BCC Ages 1+	3,697	384	10.4%	3,697	384	10.4%	\$ 43,702,708	\$ 2,755,803	6.3%
Newly Eligible Ages 19 to 44	2,238	95	4.2%	2,238	95	4.2%	\$ 18,376,417	\$ 530,948	2.9%
Newly Eligible Ages 45 to 64	1,825	153	8.4%	1,825	153	8.4%	\$ 21,217,407	\$ 1,088,240	5.1%
Total	16,752	755	4.5%	16,752	755	4.5%	\$ 135,845,196	\$ 5,009,955	3.7%

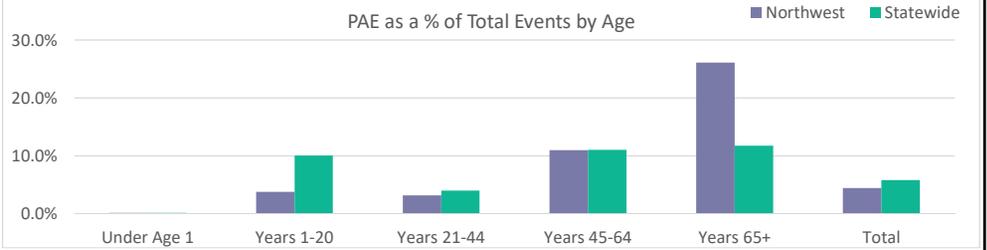
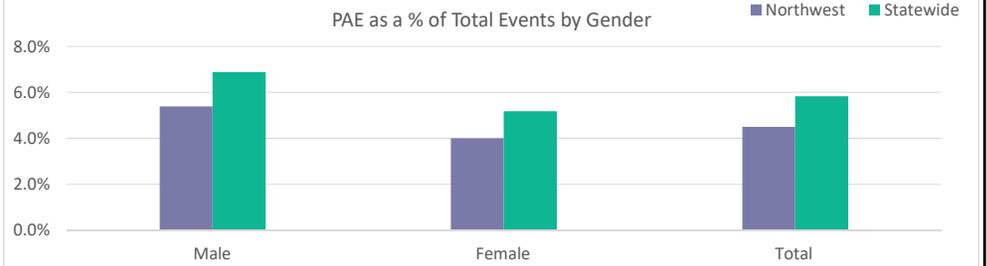
Rate Cell	Statewide			Events			Dollars		
	Total	PAE	% of Total	Total	PAE	% of Total	Total	PAE	% of Total
Under Age 1	56,621	88	0.2%	56,621	88	0.2%	\$ 422,565,208	\$ 399,192	0.1%
TANF-MAGI Ages 1-20	20,853	2,255	10.8%	20,853	2,255	10.8%	\$ 175,679,399	\$ 11,735,769	6.7%
TANF-MAGI Ages 21+	50,392	1,219	2.4%	50,392	1,219	2.4%	\$ 282,650,032	\$ 6,638,777	2.3%
Disabled-BCC Ages 1+	56,651	6,449	11.4%	56,651	6,449	11.4%	\$ 708,968,224	\$ 49,009,020	6.9%
Newly Eligible Ages 19 to 44	37,450	2,118	5.7%	37,450	2,118	5.7%	\$ 330,591,843	\$ 11,954,843	3.6%
Newly Eligible Ages 45 to 64	30,490	2,597	8.5%	30,490	2,597	8.5%	\$ 366,973,717	\$ 19,201,384	5.2%
Total	252,457	14,726	5.8%	252,457	14,726	5.8%	\$ 2,287,428,422	\$ 98,938,985	4.3%

PAE Analysis:	Potentially Avoidable Admissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Northwest

5. Events and Dollars by Age Band and Gender

Northwest		Events			Dollars		
Age Band	Gender	Total	PAE	% of Total	Total	PAE	% of Total
All Ages	M	6,127	330	5.4%	\$ 62,391,016	\$ 2,285,047	3.7%
All Ages	F	10,625	425	4.0%	\$ 73,454,179	\$ 2,724,908	3.7%
Total		16,752	755	4.5%	\$ 135,845,196	\$ 5,009,955	3.7%
Under Age 1		4,267	7	0.2%	\$ 24,726,718	\$ 43,600	0.2%
Years 1-20		2,058	78	3.8%	\$ 20,321,952	\$ 393,117	1.9%
Years 21-44		6,177	198	3.2%	\$ 41,194,482	\$ 1,137,452	2.8%
Years 45-64		4,227	466	11.0%	\$ 49,328,735	\$ 3,380,678	6.9%
Years 65+		23	6	26.1%	\$ 273,310	\$ 55,108	20.2%
Total		16,752	755	4.5%	\$ 135,845,196	\$ 5,009,955	3.7%

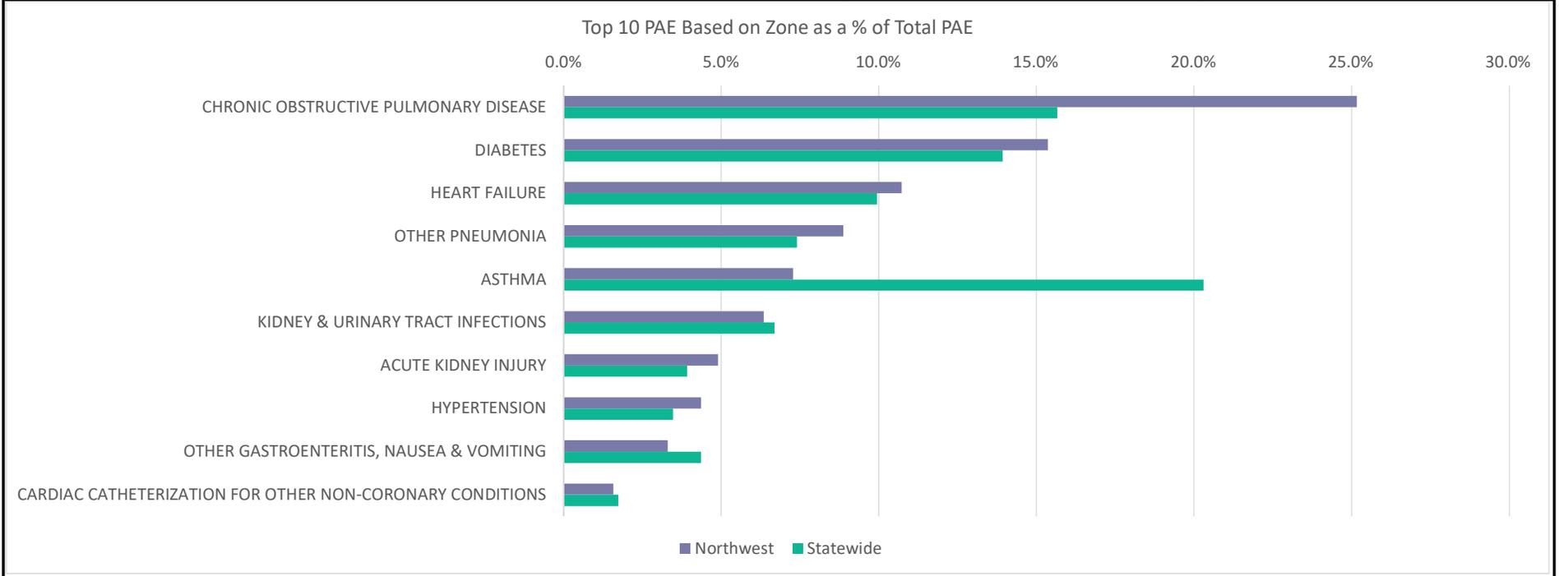
Statewide		Events			Dollars		
Age Band	Gender	Total	PAE	% of Total	Total	PAE	% of Total
All Ages	M	97,005	6,681	6.9%	\$ 1,072,556,025	\$ 48,049,757	4.5%
All Ages	F	155,452	8,045	5.2%	\$ 1,214,872,397	\$ 50,889,228	4.2%
Total		252,457	14,726	5.8%	\$ 2,287,428,422	\$ 98,938,985	4.3%
Under Age 1		56,621	88	0.2%	\$ 422,565,208	\$ 399,192	0.1%
Years 1-20		33,279	3,362	10.1%	\$ 357,373,860	\$ 17,985,843	5.0%
Years 21-44		95,780	3,888	4.1%	\$ 697,131,523	\$ 23,192,914	3.3%
Years 45-64		65,624	7,252	11.1%	\$ 795,335,345	\$ 56,241,552	7.1%
Years 65+		1,153	136	11.8%	\$ 15,022,486	\$ 1,119,484	7.5%
Total		252,457	14,726	5.8%	\$ 2,287,428,422	\$ 98,938,985	4.3%



Appendix B

PAE Analysis: Potentially Avoidable Admissions
Program Type: Physical Health HealthChoices
Service Dates: January 1, 2017 - December 31, 2017
Zone: Northwest

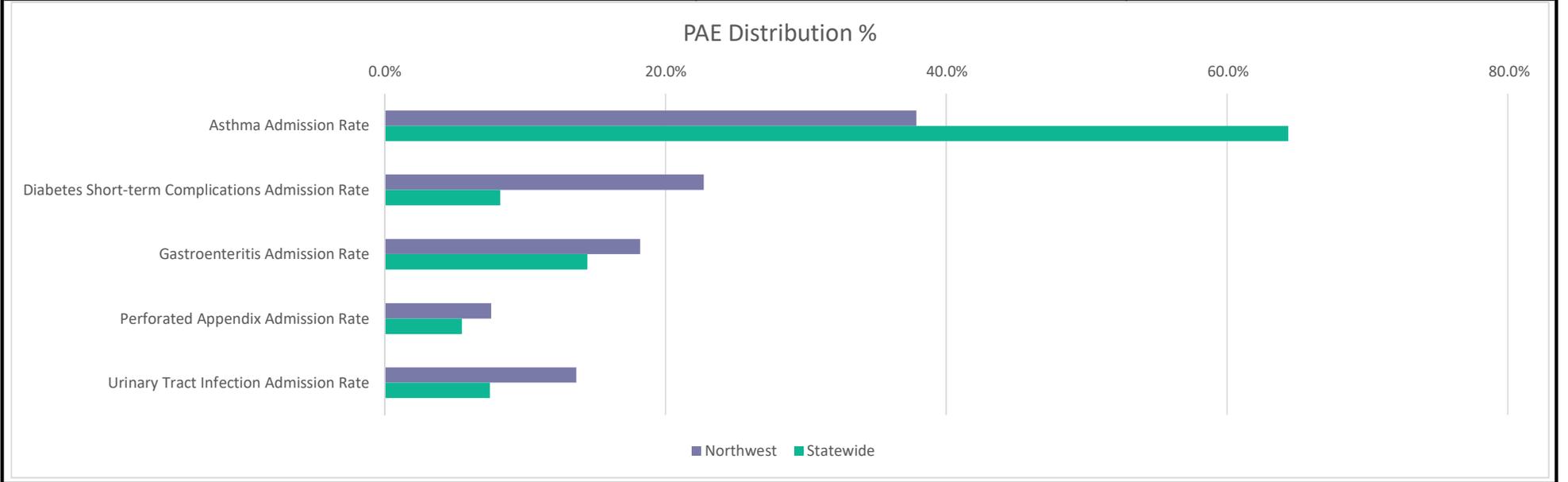
Top 10 PAE by Zone			Northwest			Statewide		
Zone Rank	APR DRG	Description	PAE	PAE Dollars	% of Total PAE	PAE	PAE Dollars	% of Total PAE
1	0140	CHRONIC OBSTRUCTIVE PULMONARY DISEASE	190	\$ 1,055,250	25.2%	2,307	\$ 14,410,363	15.7%
2	0420	DIABETES	116	\$ 566,730	15.4%	2,051	\$ 10,148,929	13.9%
3	0194	HEART FAILURE	81	\$ 554,345	10.7%	1,465	\$ 11,059,808	9.9%
4	0139	OTHER PNEUMONIA	67	\$ 323,555	8.9%	1,091	\$ 6,373,980	7.4%
5	0141	ASTHMA	55	\$ 225,862	7.3%	2,989	\$ 13,655,256	20.3%
6	0463	KIDNEY & URINARY TRACT INFECTIONS	48	\$ 202,345	6.4%	986	\$ 4,631,277	6.7%
7	0469	ACUTE KIDNEY INJURY	37	\$ 253,767	4.9%	578	\$ 3,926,530	3.9%
8	0199	HYPERTENSION	33	\$ 152,917	4.4%	512	\$ 2,603,259	3.5%
9	0249	OTHER GASTROENTERITIS, NAUSEA & VOMITING	25	\$ 130,420	3.3%	643	\$ 2,786,267	4.4%
10	0192	CARDIAC CATHETERIZATION FOR OTHER NON-CORONARY CONDITIONS	12	\$ 153,209	1.6%	257	\$ 4,056,928	1.7%
		All Else	91	\$ 1,391,555	12.1%	1,847	\$ 25,286,388	12.5%
		Total	755	\$ 5,009,955	100.0%	14,726	\$ 98,938,985	100.0%



Appendix B

PAE Analysis:	Potentially Avoidable Admissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Northwest

7. Admissions and Dollars by PDI (Pediatric)							
		Northwest			Statewide		
PDI #	PDI Description	PAE	PAE Dollars	% of Total PAE	PAE	PAE Dollars	% of Total PAE
14	Asthma Admission Rate	25	\$ 86,455	37.9%	1,901	\$ 8,795,958	64.4%
15	Diabetes Short-term Complications Admission Rate	15	\$ 85,193	22.7%	243	\$ 1,589,874	8.2%
16	Gastroenteritis Admission Rate	12	\$ 76,840	18.2%	426	\$ 1,890,933	14.4%
17	Perforated Appendix Admission Rate	5	\$ 46,218	7.6%	162	\$ 2,049,215	5.5%
18	Urinary Tract Infection Admission Rate	9	\$ 39,787	13.6%	221	\$ 1,343,669	7.5%
Total		66	\$ 334,492	100.0%	2,953	\$ 15,669,649	100.0%

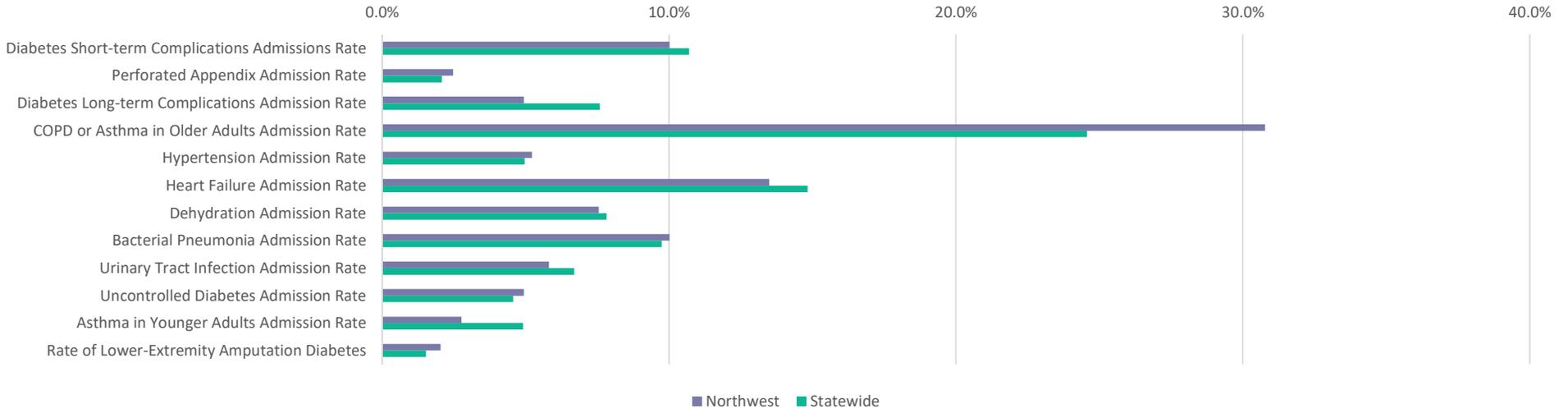


Appendix B

PAE Analysis:	Potentially Avoidable Admissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Northwest

8. Admissions and Dollars by PQI (Adult)		Northwest			Statewide		
PQI #	PQI Description	PAE	PAE Dollars	% of Total PAE	PAE	PAE Dollars	% of Total PAE
1	Diabetes Short-term Complications Admissions Rate	69	\$ 468,052	10.0%	1,259	\$ 7,108,581	10.7%
2	Perforated Appendix Admission Rate	17	\$ 156,786	2.5%	245	\$ 2,489,119	2.1%
3	Diabetes Long-term Complications Admission Rate	34	\$ 314,485	4.9%	894	\$ 9,432,164	7.6%
5	COPD or Asthma in Older Adults Admission Rate	212	\$ 1,407,273	30.8%	2,892	\$ 18,369,507	24.6%
7	Hypertension Admission Rate	36	\$ 196,943	5.2%	584	\$ 3,512,521	5.0%
8	Heart Failure Admission Rate	93	\$ 716,548	13.5%	1,746	\$ 16,310,477	14.8%
10	Dehydration Admission Rate	52	\$ 313,036	7.5%	921	\$ 5,560,017	7.8%
11	Bacterial Pneumonia Admission Rate	69	\$ 342,807	10.0%	1,147	\$ 7,359,940	9.7%
12	Urinary Tract Infection Admission Rate	40	\$ 171,083	5.8%	788	\$ 3,568,643	6.7%
14	Uncontrolled Diabetes Admission Rate	34	\$ 129,583	4.9%	538	\$ 2,085,563	4.6%
15	Asthma in Younger Adults Admission Rate	19	\$ 129,606	2.8%	579	\$ 2,763,471	4.9%
16	Rate of Lower-Extremity Amputation Diabetes	14	\$ 329,260	2.0%	180	\$ 4,709,333	1.5%
Total		689	\$ 4,675,463	100.0%	11,773	\$ 83,269,336	100.0%

PAE Distribution %



APPENDIX C

POTENTIALLY AVOIDABLE VISITS

CONTENTS

TABLE #	TABLE TITLE
1	Total Events
2	Total Dollars
3	Emergency Department Cost Weights
4	Events and Dollars by Top 10 Diagnosis Code

The tables identified above are included for each zone. Zone results are displayed in the following order: Southeast, Southwest, Lehigh/Capital, Northeast and Northwest.

Detailed Description of Tables

Table 1 — displays the total number of potentially avoidable ED visits as a percent of total ED visits. This value is displayed at both the zone and statewide level.

Table 2 — displays the total expenditures related to potentially avoidable ED visits as a percent of total ED expenditures. This value is displayed at both the zone and statewide level.

Table 3 — displays the ED cost weight for those ED visits identified as potentially avoidable visits at the zone and statewide level. Also displays the ED cost weight for all ED visits at the zone and statewide level.

Table 4 — displays the 10 most frequent primary diagnosis for potentially avoidable visits within the zone. These values are displayed at both the zone and statewide level.

Additional Notes Regarding Data

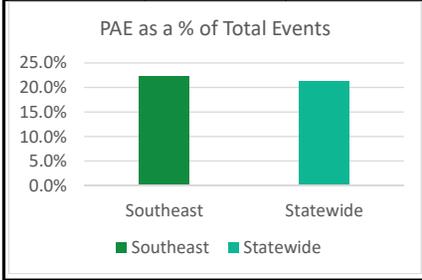
1. Visits and dollars for CY 2017 service dates are based on PH-MCO encounter data submitted through September 30, 2018.
2. ED is defined as visits containing a 99281-99285 procedure code or a 450 revenue code. Data is limited to claim types O, C, M and B.
3. Outpatient facility and professional encounters are combined to form an ED visit for the purposes of this analysis.

4. LANE visits are identified using a list of low acuity diagnosis codes identified through health services research and physician input.
5. Each LANE diagnosis code was reviewed by practicing ED physicians, DHS and Mercer clinical staff and assigned a targeted utilization percentage that represents the portion of visits that a highly efficient managed care program could potentially prevent; visits with a procedure code of 99284 or 99285 are not adjusted.
6. A low cost visit cutoff of \$56.63 was applied to LANE utilization to reflect appropriate and cost-effective treatment in an ED setting.
7. Replacement costs and targeted efficiency levels are not considered in this analysis.
8. Encounters with revenue code 0762, indicating an observation stay, were excluded from PAV.
9. Beneficiaries eligible for Community HealthChoices are excluded from analysis.

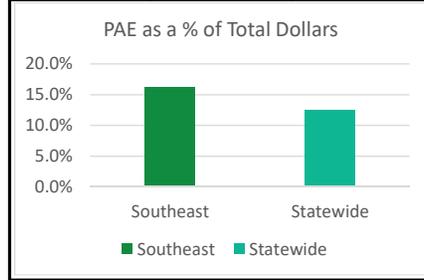
Appendix C

PAE Analysis:	Potentially Avoidable Visits
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Southeast

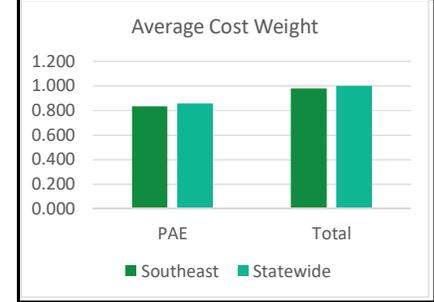
1. Total Events		
	Southeast	Statewide
PAE	133,566	371,049
Total	600,070	1,740,586
PAE %	22.3%	21.3%



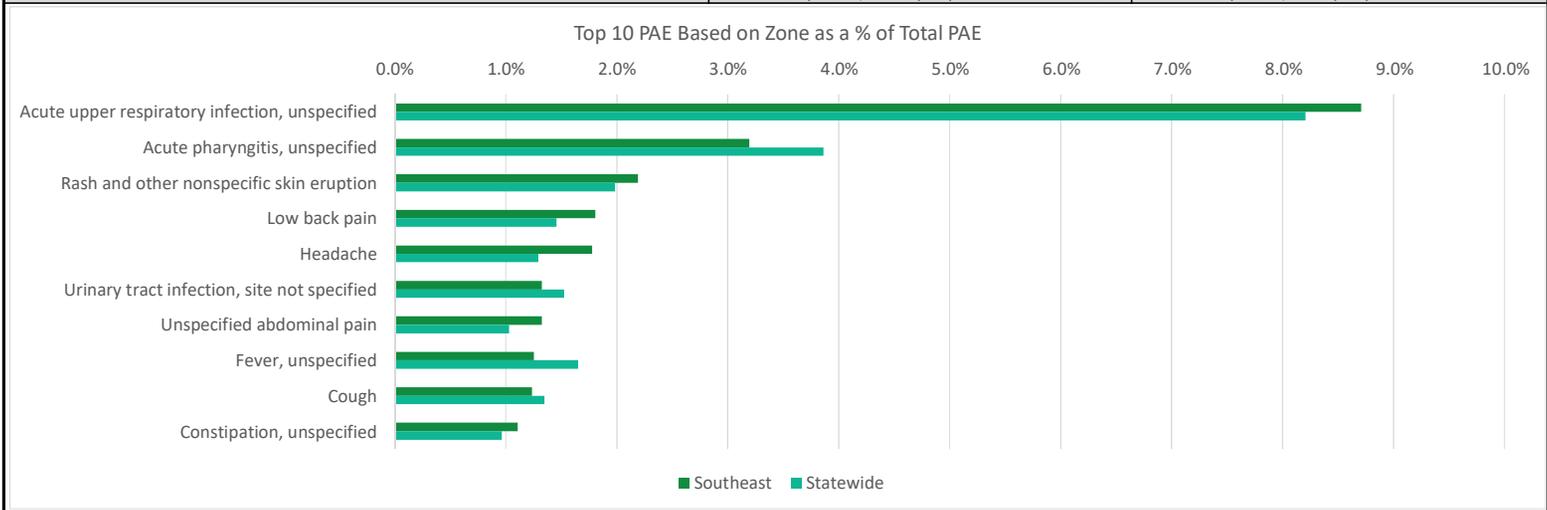
2. Total Dollars		
	Southeast	Statewide
PAE	41,026,570	70,801,509
Total	252,402,042	561,729,711
PAE %	16.3%	12.6%



3. Emergency Department Cost Weights		
	Southeast	Statewide
PAE	0.834	0.859
Total	0.979	1.000



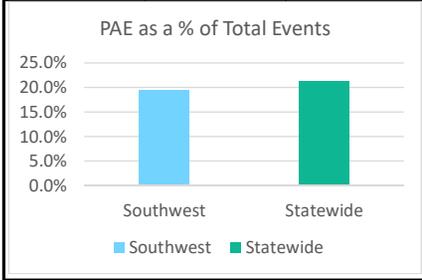
4. Events and Dollars by Top 10 Diagnosis Code								
Top 10 PAE by Zone			Southeast			Statewide		
Zone Rank	ICD-10	Description	PAE	Dollars	% of Total PAE	PAE	Dollars	% of Total PAE
1	J06.9	Acute upper respiratory infection, unspecified	11,631	\$ 3,664,459	8.7%	30,446	\$ 5,884,896	8.2%
2	J02.9	Acute pharyngitis, unspecified	4,266	\$ 1,337,015	3.2%	14,335	\$ 2,452,752	3.9%
3	R21	Rash and other nonspecific skin eruption	2,924	\$ 840,902	2.2%	7,365	\$ 1,284,569	2.0%
4	M54.5	Low back pain	2,413	\$ 691,649	1.8%	5,405	\$ 1,027,930	1.5%
5	R51	Headache	2,373	\$ 699,357	1.8%	4,800	\$ 999,069	1.3%
6	N39.0	Urinary tract infection, site not specified	1,771	\$ 544,797	1.3%	5,664	\$ 1,113,202	1.5%
7	R10.9	Unspecified abdominal pain	1,771	\$ 495,351	1.3%	3,815	\$ 792,244	1.0%
8	R50.9	Fever, unspecified	1,674	\$ 520,784	1.3%	6,135	\$ 1,095,801	1.7%
9	R05	Cough	1,653	\$ 480,606	1.2%	5,003	\$ 898,445	1.3%
10	K59.00	Constipation, unspecified	1,481	\$ 525,028	1.1%	3,580	\$ 797,564	1.0%
		All Else	101,608	\$ 31,226,623	76.1%	284,500	\$ 54,455,037	76.7%
		Total	133,566	\$ 41,026,570	100.0%	371,049	\$ 70,801,509	100.0%



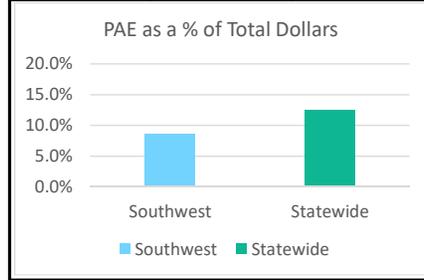
Appendix C

PAE Analysis:	Potentially Avoidable Visits
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Southwest

1. Total Events		
	Southwest	Statewide
PAE	73,204	371,049
Total	376,422	1,740,586
PAE %	19.4%	21.3%



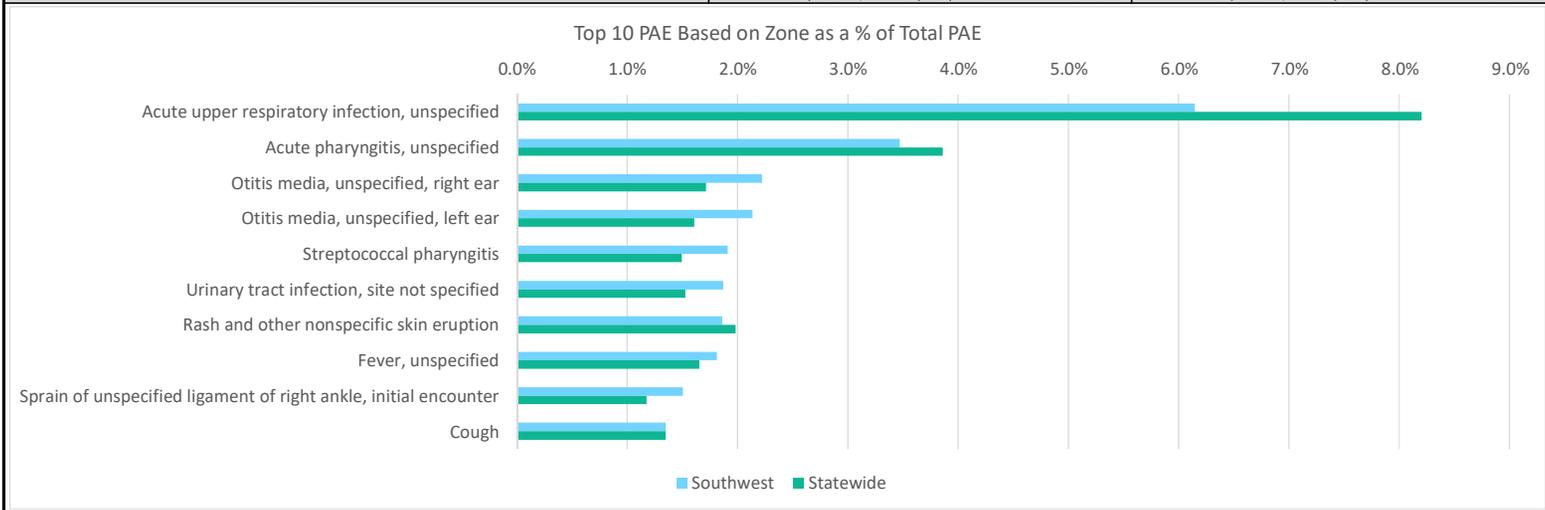
2. Total Dollars		
	Southwest	Statewide
PAE	10,076,111	70,801,509
Total	115,958,575	561,729,711
PAE %	8.7%	12.6%



3. Emergency Department Cost Weights		
	Southwest	Statewide
PAE	0.884	0.859
Total	1.037	1.000



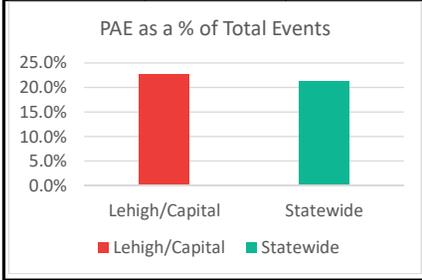
4. Events and Dollars by Top 10 Diagnosis Code								
Top 10 PAE by Zone			Southwest			Statewide		
Zone Rank	ICD-10	Description	PAE	Dollars	% of Total PAE	PAE	Dollars	% of Total PAE
1	J06.9	Acute upper respiratory infection, unspecified	4,501	\$ 594,694	6.1%	30,446	\$ 5,884,896	8.2%
2	J02.9	Acute pharyngitis, unspecified	2,541	\$ 294,742	3.5%	14,335	\$ 2,452,752	3.9%
3	H66.91	Otitis media, unspecified, right ear	1,627	\$ 210,728	2.2%	6,358	\$ 990,619	1.7%
4	H66.92	Otitis media, unspecified, left ear	1,565	\$ 197,336	2.1%	5,968	\$ 918,691	1.6%
5	J02.0	Streptococcal pharyngitis	1,400	\$ 170,278	1.9%	5,543	\$ 895,524	1.5%
6	N39.0	Urinary tract infection, site not specified	1,369	\$ 211,031	1.9%	5,664	\$ 1,113,202	1.5%
7	R21	Rash and other nonspecific skin eruption	1,364	\$ 140,753	1.9%	7,365	\$ 1,284,569	2.0%
8	R50.9	Fever, unspecified	1,327	\$ 198,853	1.8%	6,135	\$ 1,095,801	1.7%
9	S93.401A	Sprain of unspecified ligament of right ankle, initial encounter	1,102	\$ 184,796	1.5%	4,357	\$ 909,710	1.2%
10	R05	Cough	988	\$ 136,627	1.3%	5,003	\$ 898,445	1.3%
		All Else	55,421	\$ 7,736,273	75.7%	279,874	\$ 54,357,300	75.4%
		Total	73,204	\$ 10,076,111	100.0%	371,049	\$ 70,801,509	100.0%



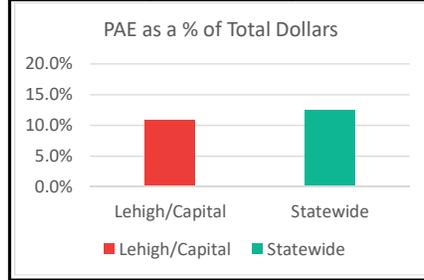
Appendix C

PAE Analysis:	Potentially Avoidable Visits
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Lehigh/Capital

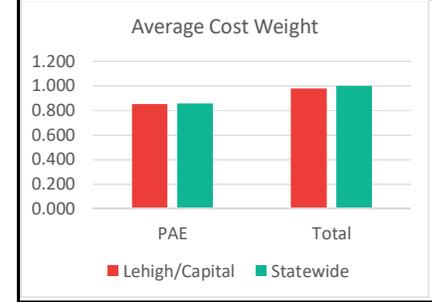
1. Total Events		
	Lehigh/Capital	Statewide
PAE	86,215	371,049
Total	382,043	1,740,586
PAE %	22.6%	21.3%



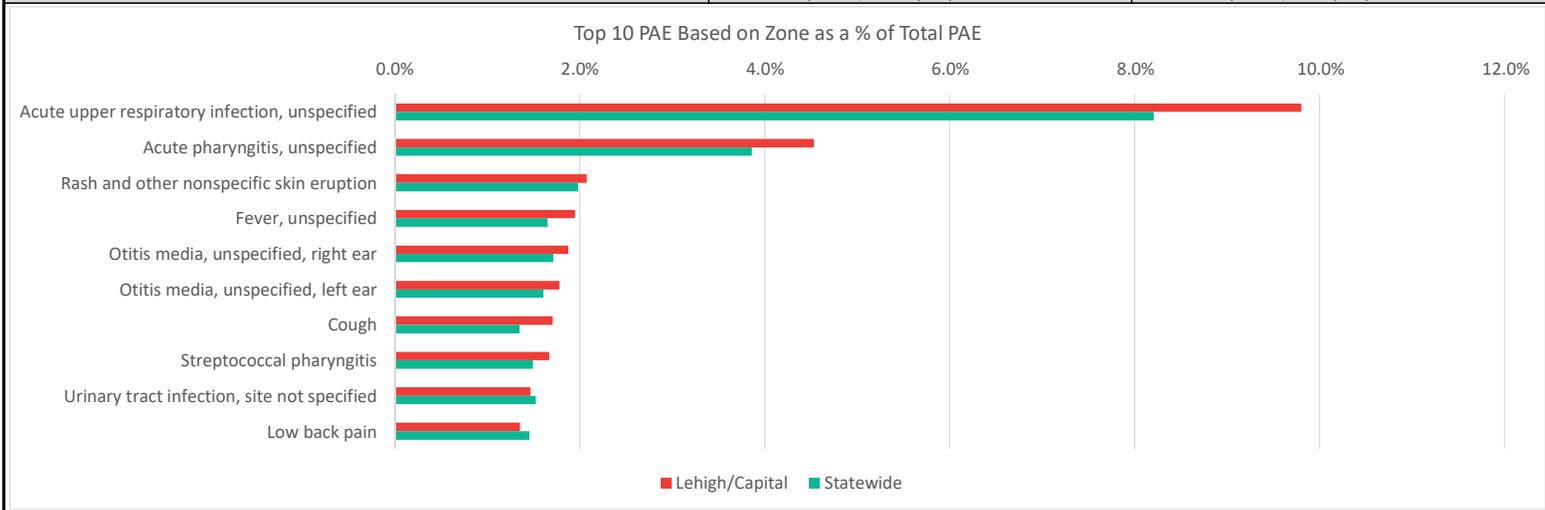
2. Total Dollars		
	Lehigh/Capital	Statewide
PAE	11,053,517	70,801,509
Total	101,324,260	561,729,711
PAE %	10.9%	12.6%



3. Emergency Department Cost Weights		
	Lehigh/Capital	Statewide
PAE	0.853	0.859
Total	0.981	1.000



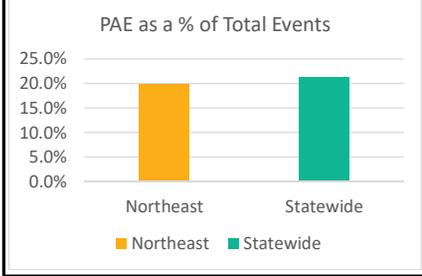
4. Events and Dollars by Top 10 Diagnosis Code								
Top 10 PAE by Zone			Lehigh/Capital			Statewide		
Zone Rank	ICD-10	Description	PAE	Dollars	% of Total PAE	PAE	Dollars	% of Total PAE
1	J06.9	Acute upper respiratory infection, unspecified	8,450	\$ 967,750	9.8%	30,446	\$ 5,884,896	8.2%
2	J02.9	Acute pharyngitis, unspecified	3,906	\$ 451,823	4.5%	14,335	\$ 2,452,752	3.9%
3	R21	Rash and other nonspecific skin eruption	1,789	\$ 181,534	2.1%	7,365	\$ 1,284,569	2.0%
4	R50.9	Fever, unspecified	1,679	\$ 208,494	1.9%	6,135	\$ 1,095,801	1.7%
5	H66.91	Otitis media, unspecified, right ear	1,619	\$ 177,339	1.9%	6,358	\$ 990,619	1.7%
6	H66.92	Otitis media, unspecified, left ear	1,534	\$ 168,073	1.8%	5,968	\$ 918,691	1.6%
7	R05	Cough	1,472	\$ 177,590	1.7%	5,003	\$ 898,445	1.3%
8	J02.0	Streptococcal pharyngitis	1,438	\$ 166,939	1.7%	5,543	\$ 895,524	1.5%
9	N39.0	Urinary tract infection, site not specified	1,263	\$ 192,293	1.5%	5,664	\$ 1,113,202	1.5%
10	M54.5	Low back pain	1,167	\$ 139,143	1.4%	5,405	\$ 1,027,930	1.5%
		All Else	61,900	\$ 8,222,540	71.8%	278,826	\$ 54,239,080	75.1%
		Total	86,215	\$ 11,053,517	100.0%	371,049	\$ 70,801,509	100.0%



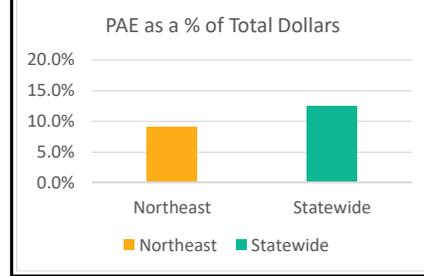
Appendix C

PAE Analysis:	Potentially Avoidable Visits
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Northeast

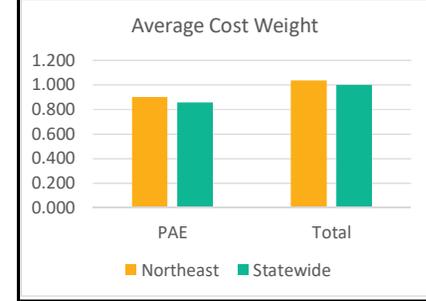
1. Total Events		
	Northeast	Statewide
PAE	46,622	371,049
Total	236,187	1,740,586
PAE %	19.7%	21.3%



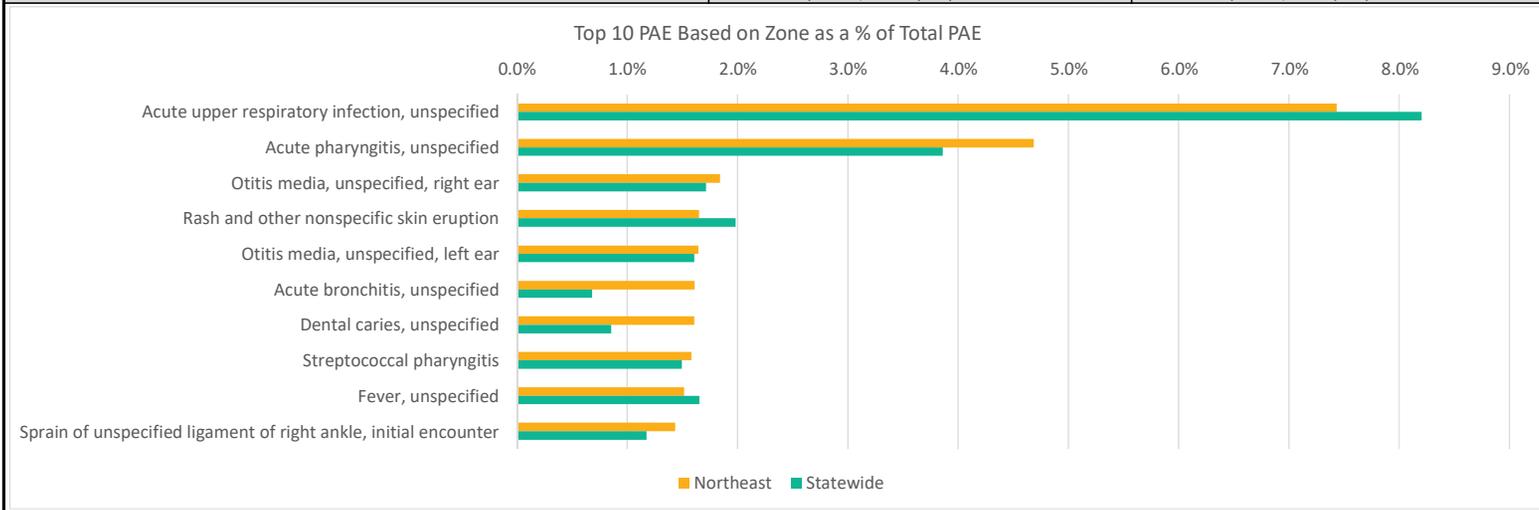
2. Total Dollars		
	Northeast	Statewide
PAE	4,912,194	70,801,509
Total	54,281,192	561,729,711
PAE %	9.0%	12.6%



3. Emergency Department Cost Weights		
	Northeast	Statewide
PAE	0.901	0.859
Total	1.038	1.000



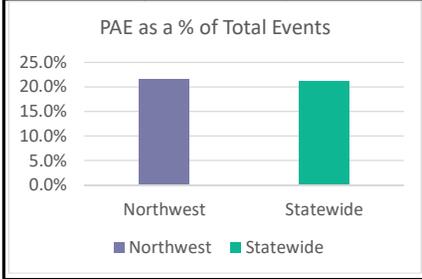
4. Events and Dollars by Top 10 Diagnosis Code								
Top 10 PAE by Zone			Northeast			Statewide		
Zone Rank	ICD-10	Description	PAE	Dollars	% of Total PAE	PAE	Dollars	% of Total PAE
1	J06.9	Acute upper respiratory infection, unspecified	3,466	\$ 401,317	7.4%	30,446	\$ 5,884,896	8.2%
2	J02.9	Acute pharyngitis, unspecified	2,185	\$ 214,044	4.7%	14,335	\$ 2,452,752	3.9%
3	H66.91	Otitis media, unspecified, right ear	858	\$ 80,858	1.8%	6,358	\$ 990,619	1.7%
4	R21	Rash and other nonspecific skin eruption	770	\$ 71,673	1.7%	7,365	\$ 1,284,569	2.0%
5	H66.92	Otitis media, unspecified, left ear	768	\$ 71,267	1.6%	5,968	\$ 918,691	1.6%
6	J20.9	Acute bronchitis, unspecified	752	\$ 80,541	1.6%	2,526	\$ 344,274	0.7%
7	K02.9	Dental caries, unspecified	750	\$ 64,307	1.6%	3,176	\$ 464,974	0.9%
8	J02.0	Streptococcal pharyngitis	737	\$ 71,757	1.6%	5,543	\$ 895,524	1.5%
9	R50.9	Fever, unspecified	708	\$ 84,217	1.5%	6,135	\$ 1,095,801	1.7%
10	S93.401A	Sprain of unspecified ligament of right ankle, initial encounter	669	\$ 88,039	1.4%	4,357	\$ 909,710	1.2%
		All Else	34,960	\$ 3,684,173	75.0%	284,839	\$ 55,559,699	76.8%
		Total	46,622	\$ 4,912,194	100.0%	371,049	\$ 70,801,509	100.0%



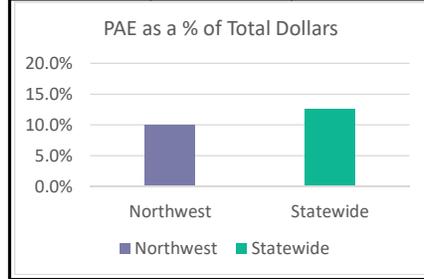
Appendix C

PAE Analysis:	Potentially Avoidable Visits
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
Zone:	Northwest

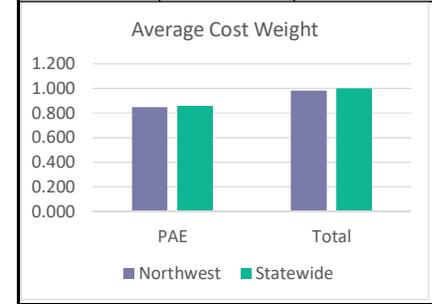
1. Total Events		
	Northwest	Statewide
PAE	31,441	371,049
Total	145,864	1,740,586
PAE %	21.6%	21.3%



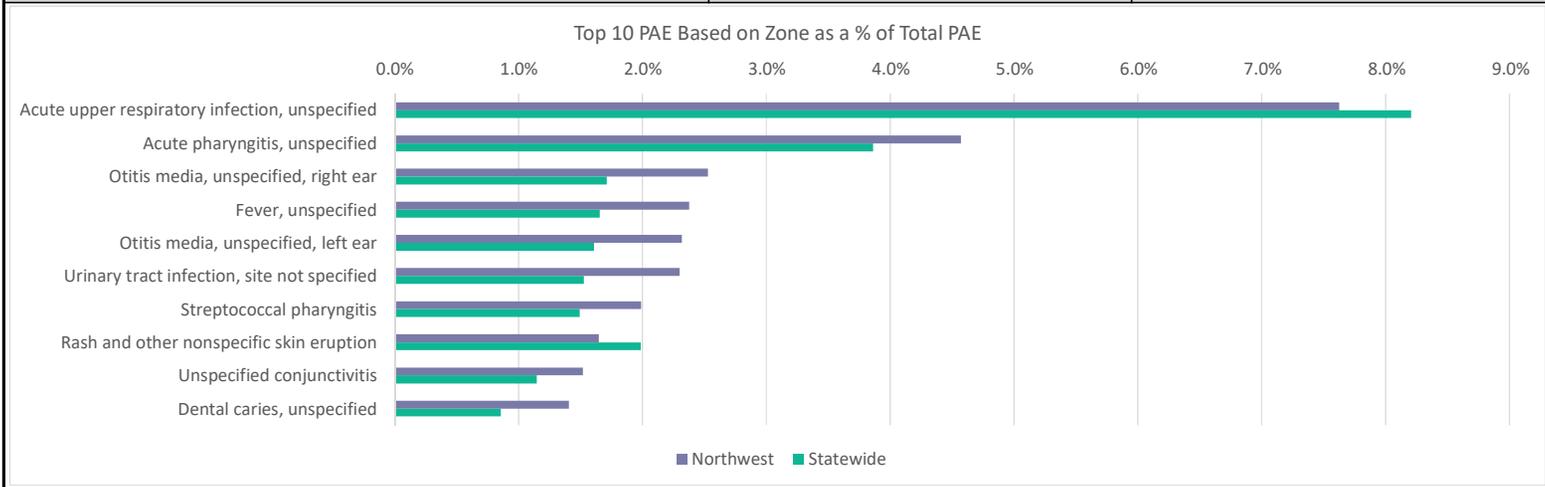
2. Total Dollars		
	Northwest	Statewide
PAE	3,733,117	70,801,509
Total	37,763,641	561,729,711
PAE %	9.9%	12.6%



3. Emergency Department Cost Weights		
	Northwest	Statewide
PAE	0.849	0.859
Total	0.982	1.000



4. Events and Dollars by Top 10 Diagnosis Code								
Top 10 PAE by Zone			Northwest			Statewide		
Zone Rank	ICD-10	Description	PAE	Dollars	% of Total PAE	PAE	Dollars	% of Total PAE
1	J06.9	Acute upper respiratory infection, unspecified	2,398	\$ 256,676	7.6%	30,446	\$ 5,884,896	8.2%
2	J02.9	Acute pharyngitis, unspecified	1,437	\$ 155,128	4.6%	14,335	\$ 2,452,752	3.9%
3	H66.91	Otitis media, unspecified, right ear	795	\$ 82,974	2.5%	6,358	\$ 990,619	1.7%
4	R50.9	Fever, unspecified	748	\$ 83,453	2.4%	6,135	\$ 1,095,801	1.7%
5	H66.92	Otitis media, unspecified, left ear	729	\$ 72,606	2.3%	5,968	\$ 918,691	1.6%
6	N39.0	Urinary tract infection, site not specified	723	\$ 102,325	2.3%	5,664	\$ 1,113,202	1.5%
7	J02.0	Streptococcal pharyngitis	626	\$ 65,742	2.0%	5,543	\$ 895,524	1.5%
8	R21	Rash and other nonspecific skin eruption	518	\$ 49,708	1.6%	7,365	\$ 1,284,569	2.0%
9	H10.9	Unspecified conjunctivitis	478	\$ 48,352	1.5%	4,257	\$ 762,631	1.1%
10	K02.9	Dental caries, unspecified	442	\$ 39,853	1.4%	3,176	\$ 464,974	0.9%
All Else			22,548	\$ 2,776,300	71.7%	281,801	\$ 54,937,849	75.9%
Total			31,441	\$ 3,733,117	100.0%	371,049	\$ 70,801,509	100.0%



APPENDIX D

GLOSSARY

AHRQ	Agency for Healthcare Research and Quality. A federal agency focused on improving the safety and quality of America's health care system.
APR-DRGs	All Patient Refined-Diagnosis Related Groups. A version of diagnosis related groups that further subdivide the diagnosis related groups into four severity-of-illness and four risk-of-mortality subclasses within each diagnosis related group.
Beneficiary	A person eligible to receive services in the MA Program of the Commonwealth of Pennsylvania.
CHC	Community HealthChoices. A mandatory managed care program that uses MCOs to coordinate and pay for PH care and long-term services and supports for beneficiaries who are dually eligible for Medicare and Medicaid and those who require a nursing facility level of care.
Department	The Department of Human Services of the Commonwealth of Pennsylvania.
Diagnostic Related Groups	A classification system that uses patient discharge information to classify patients into clinically meaningful groups.
ED	Emergency department. The department of a hospital responsible for the provision of emergency services.
Gender	Gender identified within the Department's eligibility system.
Hospital	A public or private institution licensed as a hospital under the laws of the Commonwealth that participates in the MA program.
LANE	Low-acuity non-emergent emergency visits. Emergency department visits that could have occurred in a lower acuity setting or been avoided through the provision of consistent, evidence-based, primary care, proactive care management and health education.
MA	Medical assistance. The acronym by which the Commonwealth's Medicaid program, authorized under Article IV of the Public Welfare Code (62 P. S. §§ 401–488), is known.
MCO	Managed care organization. A licensed managed care organization with whom the Department has an agreement with to provide or arrange for services to a Medicaid beneficiary.

MCO Outcomes Program	A program designed to provide a Medicaid MCO with information to reduce PAEs and further increase efficiency in Medicaid managed care programs.
Medicaid program	The Commonwealth's MA program authorized under Article IV of the Public Welfare Code (62 P. S. §§ 401–488) and is administered in conformity with Title XIX of the Social Security Act (42 U.S.C.A. §§ 1396–1396q) and regulations issued under it. This program is titled MA.
PAA	Potentially avoidable admission. An admission of an individual to a hospital or long-term care facility, which may have reasonably been prevented with adequate access to ambulatory care or health care coordination.
PAE	Potentially Avoidable Event. Any of the following: <ul style="list-style-type: none"> • A potentially avoidable admission. • A potentially avoidable complication. • A potentially avoidable emergency visit. • A potentially avoidable readmission. • A combination of the events listed under this definition.
PAR	Potentially avoidable readmission. A return hospitalization of an individual within a period specified by the Department that may have resulted from a deficiency in the care or treatment provided to the individual during a previous hospital stay or from a deficiency in post hospital discharge follow up. The term does not include a hospital readmission necessitated by the occurrence of unrelated events after the discharge. The term includes the readmission of an individual to a hospital for: <ul style="list-style-type: none"> • The same condition or procedure for which the individual was previously admitted. • An infection or other complication resulting from care previously provided. • A condition or procedure indicating a surgical intervention performed during a previous admission was unsuccessful in achieving the anticipated outcome.
PAV	Potentially avoidable emergency visit. Treatment of an individual in a hospital emergency room or freestanding emergency medical care facility for a condition that may not require emergency medical attention because the condition could be or could have been treated or prevented by a physician or other health care provider in a nonemergency setting.
PDI	Pediatric quality indicator. A set of measures that can be used with hospital inpatient discharge data to provide a perspective on the quality of pediatric health care.
PH HealthChoices	The mandatory managed care program that uses MA MCOs to coordinate and pay for PH care services.

PQI	Prevention quality indicator. A set of measures that can be used with hospital inpatient discharge data to identify quality of care for ambulatory care sensitive conditions. These are conditions for which good outpatient care can potentially prevent the need for hospitalization or for which early intervention can prevent complications for more severe disease.
PROMISe	Provider Reimbursement and Operations Management Information System. The Department's Medicaid Management Information System which is the Center for Medicare & Medicaid Services (CMS) certified information system.

APPENDIX E

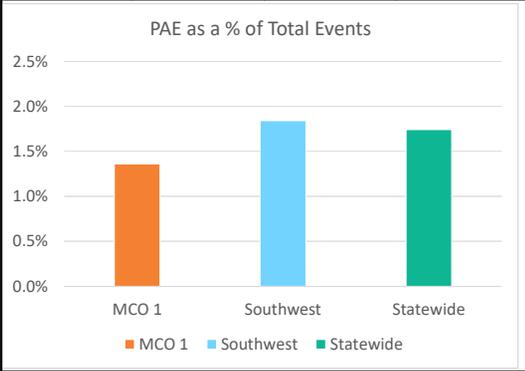
MCO REPORT TEMPLATE

Data labeled as “MCO 1” does not represent actual individual MCO results, and is for demonstration purposes only, of the information that will be provided to each MCO.

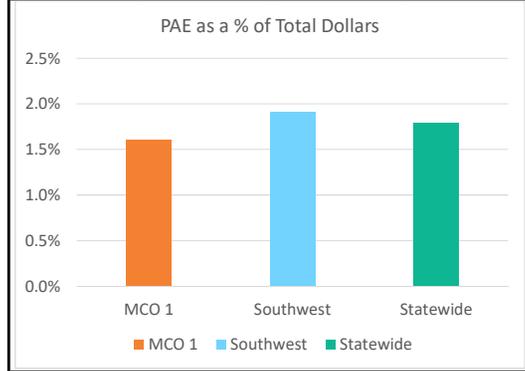
Template for Demonstration Only

PAE Analysis:	Potentially Avoidable Readmissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
MCO:	MCO 1

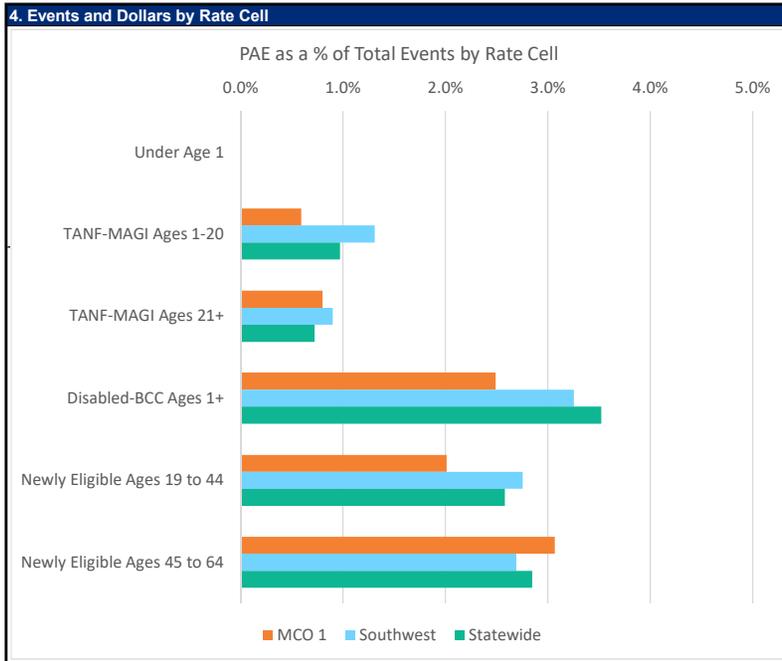
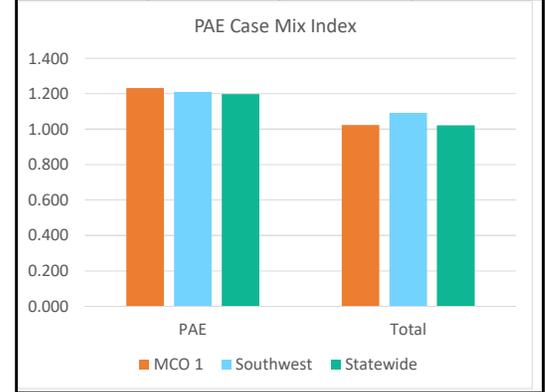
1. Total Events			
	MCO 1	Southwest	Statewide
PAE	228	987	4,396
Total	16,752	53,638	252,457
PAE %	1.4%	1.8%	1.7%



2. Total Dollars			
	MCO 1	Southwest	Statewide
PAE	\$ 2,178,587	\$ 9,364,434	\$ 40,913,360
Total	\$ 135,845,196	\$ 489,737,221	\$ 2,287,428,422
PAE %	1.6%	1.9%	1.8%



3. APR-DRG Case Mix Index			
	MCO 1	Southwest	Statewide
PAE	1.232	1.211	1.197
Total	1.024	1.093	1.021



Rate Cell	MCO 1			Southwest			Statewide		
	Total	PAE	% of Total	Total	PAE	% of Total	Total	PAE	% of Total
Total	16,752	228	1.4%	53,638	987	1.8%	252,457	4,396	1.7%

Rate Cell	MCO 1			Southwest			Statewide		
	Total	PAE	% of Total	Total	PAE	% of Total	Total	PAE	% of Total
Under Age 1	4,267	-	0.0%	11,363	-	0.0%	56,621	-	0.0%
TANF-MAGI Ages 1-20	1,351	8	0.6%	3,507	46	1.3%	20,853	203	1.0%
TANF-MAGI Ages 21+	3,374	27	0.8%	10,332	93	0.9%	50,392	364	0.7%
Disabled-BCC Ages 1+	3,697	92	2.5%	13,830	450	3.3%	56,651	1,994	3.5%
Newly Eligible Ages 19 to 44	2,238	45	2.0%	7,882	217	2.8%	37,450	967	2.6%
Newly Eligible Ages 45 to 64	1,825	56	3.1%	6,724	181	2.7%	30,490	868	2.8%
Total	16,752	228	1.4%	53,638	987	1.8%	252,457	4,396	1.7%

Rate Cell	MCO 1			Southwest			Statewide		
	Total	PAE	% of Total	Total	PAE	% of Total	Total	PAE	% of Total
Under Age 1	\$ 24,726,718	\$ -	0.0%	\$ 81,869,580	\$ -	0.0%	\$ 422,565,208	\$ -	0.0%
TANF-MAGI Ages 1-20	\$ 11,049,454	\$ 83,091	0.8%	\$ 31,807,668	\$ 897,898	2.8%	\$ 175,679,399	\$ 2,645,020	1.5%
TANF-MAGI Ages 21+	\$ 16,772,492	\$ 156,951	0.9%	\$ 56,678,588	\$ 1,060,932	1.9%	\$ 282,650,032	\$ 3,188,690	1.1%
Disabled-BCC Ages 1+	\$ 43,702,708	\$ 1,041,073	2.4%	\$ 172,769,532	\$ 4,056,330	2.3%	\$ 708,968,224	\$ 19,588,985	2.8%
Newly Eligible Ages 19 to 44	\$ 18,376,417	\$ 437,537	2.4%	\$ 69,182,585	\$ 1,649,241	2.4%	\$ 330,591,843	\$ 7,171,061	2.2%
Newly Eligible Ages 45 to 64	\$ 21,217,407	\$ 459,935	2.2%	\$ 77,429,269	\$ 1,700,033	2.2%	\$ 366,973,717	\$ 8,319,604	2.3%
Total	\$ 135,845,196	\$ 2,178,587	1.6%	\$ 489,737,221	\$ 9,364,434	1.9%	\$ 2,287,428,422	\$ 40,913,360	1.8%

Template for Demonstration Only

PAE Analysis:	Potentially Avoidable Readmissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
MCO:	MCO 1

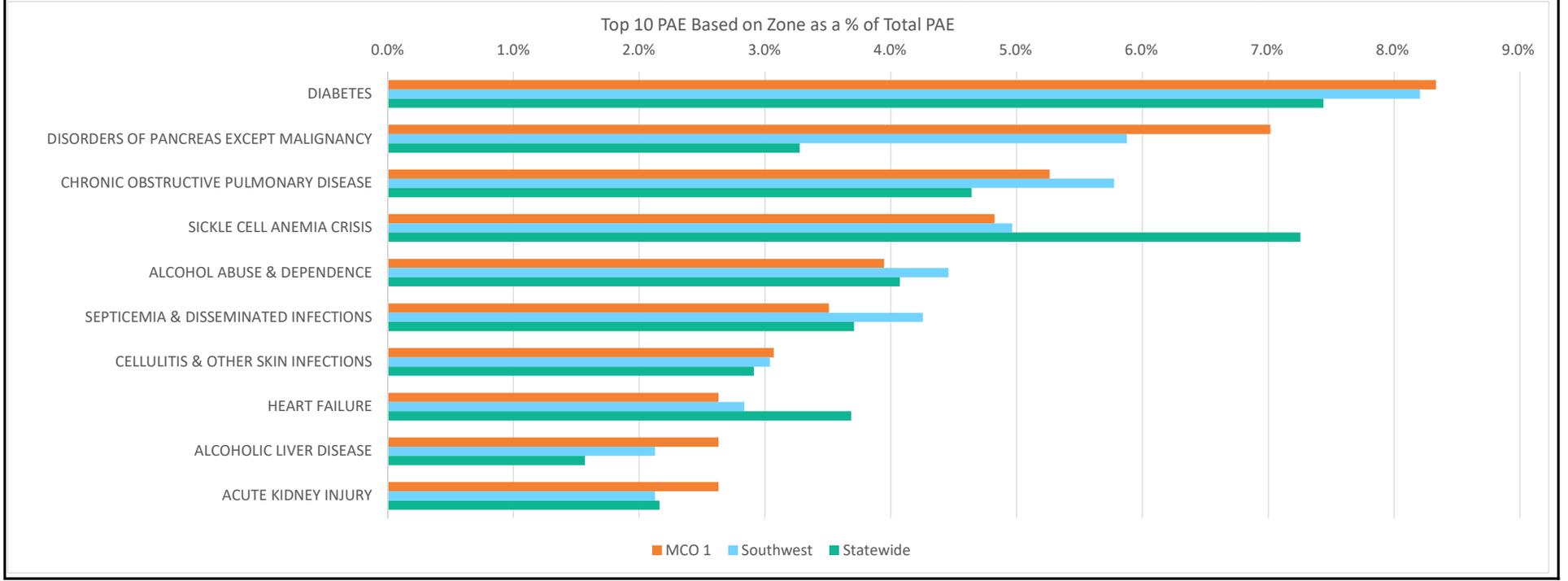
5. Events and Dollars by Age Band and Gender								
MCO 1		Events			Dollars			
Age Band	Gender	Total	PAE	% of Total	Total	PAE	% of Total	
All Ages	M	6,127	97	1.6%	\$ 62,391,016	\$ 855,101	1.4%	
All Ages	F	10,625	131	1.2%	\$ 73,454,179	\$ 1,323,485	1.8%	
Total		16,752	228	1.4%	\$ 135,845,196	\$ 2,178,587	1.6%	
Under Age 1		4,267	-	0.0%	\$ 24,726,718	\$ -	0.0%	
Years 1-20		2,058	15	0.7%	\$ 20,321,952	\$ 149,397	0.7%	
Years 21-44		6,177	93	1.5%	\$ 41,194,482	\$ 794,117	1.9%	
Years 45-64		4,227	119	2.8%	\$ 49,328,735	\$ 1,221,495	2.5%	
Years 65+		23	1	4.3%	\$ 273,310	\$ 13,578	5.0%	
Total		16,752	228	1.4%	\$ 135,845,196	\$ 2,178,587	1.6%	
Southwest		Events			Dollars			
Age Band	Gender	Total	PAE	% of Total	Total	PAE	% of Total	
All Ages	M	20,680	435	2.1%	\$ 225,924,315	\$ 4,303,435	1.9%	
All Ages	F	32,958	552	1.7%	\$ 263,812,906	\$ 5,060,999	1.9%	
Total		53,638	987	1.8%	\$ 489,737,221	\$ 9,364,434	1.9%	
Under Age 1		11,363	-	0.0%	\$ 81,869,580	\$ -	0.0%	
Years 1-20		6,010	115	1.9%	\$ 70,631,235	\$ 1,335,330	1.9%	
Years 21-44		20,199	413	2.0%	\$ 148,536,735	\$ 3,574,892	2.4%	
Years 45-64		15,932	458	2.9%	\$ 187,030,811	\$ 4,444,469	2.4%	
Years 65+		134	1	0.7%	\$ 1,668,861	\$ 9,743	0.6%	
Total		53,638	987	1.8%	\$ 489,737,221	\$ 9,364,434	1.9%	
Statewide		Events			Dollars			
Age Band	Gender	Total	PAE	% of Total	Total	PAE	% of Total	
All Ages	M	97,005	2,185	2.3%	\$ 1,072,556,025	\$ 20,314,144	1.9%	
All Ages	F	155,452	2,211	1.4%	\$ 1,214,872,397	\$ 20,599,217	1.7%	
Total		252,457	4,396	1.7%	\$ 2,287,428,422	\$ 40,913,360	1.8%	
Under Age 1		56,621	-	0.0%	\$ 422,565,208	\$ -	0.0%	
Years 1-20		33,279	520	1.6%	\$ 357,373,860	\$ 6,088,653	1.7%	
Years 21-44		95,780	1,865	1.9%	\$ 697,131,523	\$ 15,303,996	2.2%	
Years 45-64		65,624	1,979	3.0%	\$ 795,335,345	\$ 19,231,009	2.4%	
Years 65+		1,153	32	2.8%	\$ 15,022,486	\$ 289,703	1.9%	
Total		252,457	4,396	1.7%	\$ 2,287,428,422	\$ 40,913,360	1.8%	



Template for Demonstration Only

PAE Analysis:	Potentially Avoidable Readmissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
MCO:	MCO 1

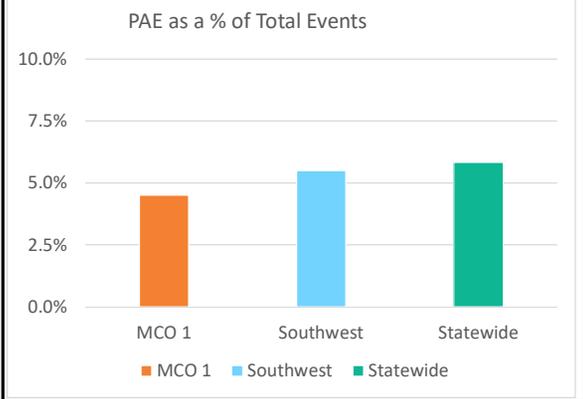
Top 10 PAE by Zone			MCO 1			Southwest			Statewide		
Zone Rank	APR DRG	Description	PAE	PAE Dollars	% of Total PAE	PAE	PAE Dollars	% of Total PAE	PAE	PAE Dollars	% of Total PAE
1	0420	DIABETES	19	\$ 96,595	8.3%	81	\$ 475,310	8.2%	327	\$ 1,954,514	7.4%
2	0282	DISORDERS OF PANCREAS EXCEPT MALIGNANCY	16	\$ 101,944	7.0%	58	\$ 398,963	5.9%	144	\$ 1,029,319	3.3%
3	0140	CHRONIC OBSTRUCTIVE PULMONARY DISEASE	12	\$ 93,450	5.3%	57	\$ 532,924	5.8%	204	\$ 1,554,694	4.6%
4	0662	SICKLE CELL ANEMIA CRISIS	11	\$ 94,459	4.8%	49	\$ 286,059	5.0%	319	\$ 2,104,270	7.3%
5	0775	ALCOHOL ABUSE & DEPENDENCE	9	\$ 75,075	3.9%	44	\$ 182,499	4.5%	179	\$ 806,994	4.1%
6	0720	SEPTICEMIA & DISSEMINATED INFECTIONS	8	\$ 17,357	3.5%	42	\$ 614,060	4.3%	163	\$ 2,320,159	3.7%
7	0383	CELLULITIS & OTHER SKIN INFECTIONS	7	\$ 33,622	3.1%	30	\$ 212,588	3.0%	128	\$ 929,670	2.9%
8	0194	HEART FAILURE	6	\$ 121,497	2.6%	28	\$ 328,208	2.8%	162	\$ 1,948,076	3.7%
9	0280	ALCOHOLIC LIVER DISEASE	6	\$ 58,674	2.6%	21	\$ 300,118	2.1%	69	\$ 761,028	1.6%
10	0469	ACUTE KIDNEY INJURY	6	\$ 46,906	2.6%	21	\$ 199,236	2.1%	95	\$ 1,023,679	2.2%
		All Else	128	\$ 1,439,008	56.1%	556	\$ 5,834,468	56.3%	2,606	\$ 26,480,957	59.3%
		Total	228	\$ 2,178,587	100.0%	987	\$ 9,364,434	100.0%	4,396	\$ 40,913,360	100.0%



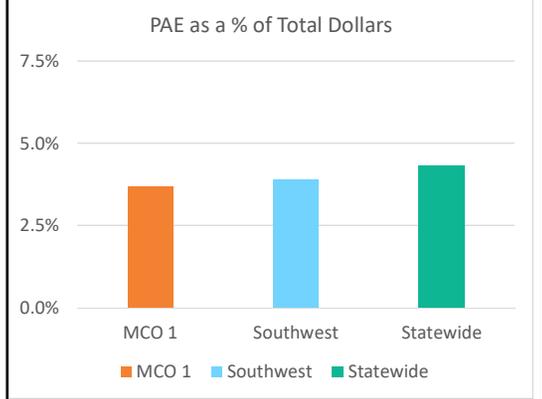
Template for Demonstration Only

PAE Analysis:	Potentially Avoidable Admissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
MCO:	MCO 1

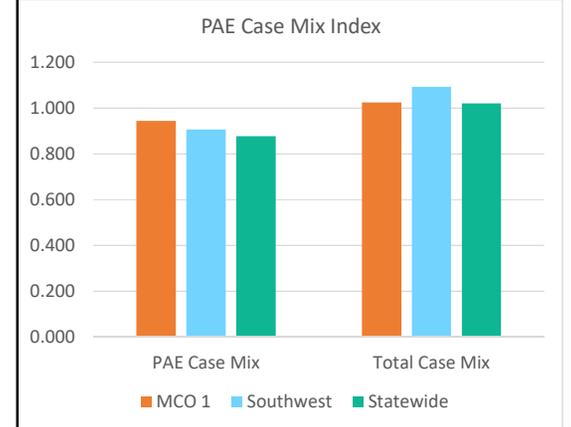
1. Total Events			
	MCO 1	Southwest	Statewide
PAE	755	2,948	14,726
Total	16,752	53,638	252,457
PAE %	4.5%	5.5%	5.8%



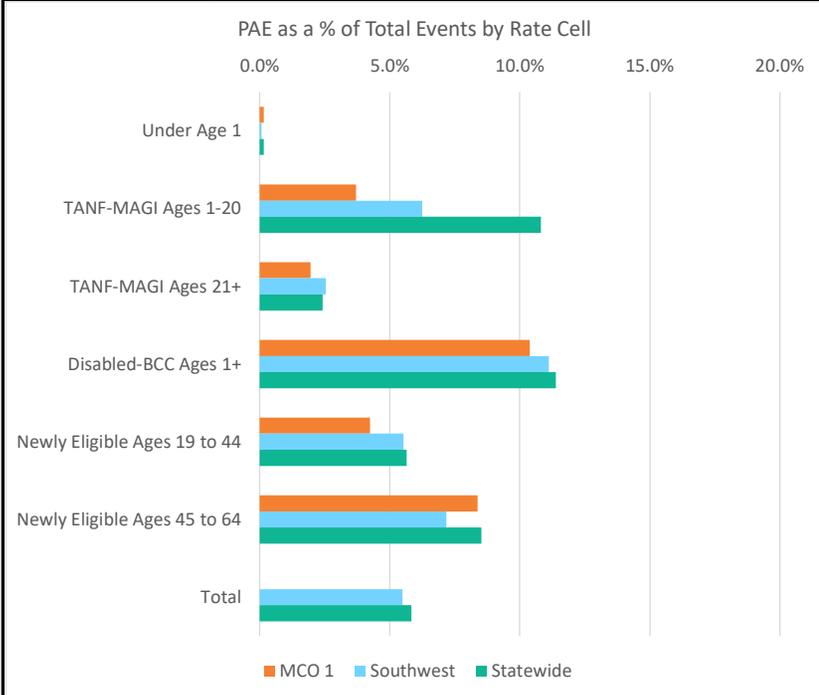
2. Total Dollars			
	MCO 1	Southwest	Statewide
PAE	\$ 5,009,955	\$ 19,066,186	\$ 98,938,985
Total	\$ 135,845,196	\$ 489,737,221	\$ 2,287,428,422
PAE %	3.7%	3.9%	4.3%



3. APR-DRG Case Mix Index			
	MCO 1	Southwest	Statewide
PAE Case Mix	0.945	0.906	0.878
Total Case Mix	1.024	1.093	1.021



4. Events and Dollars by Rate Cell



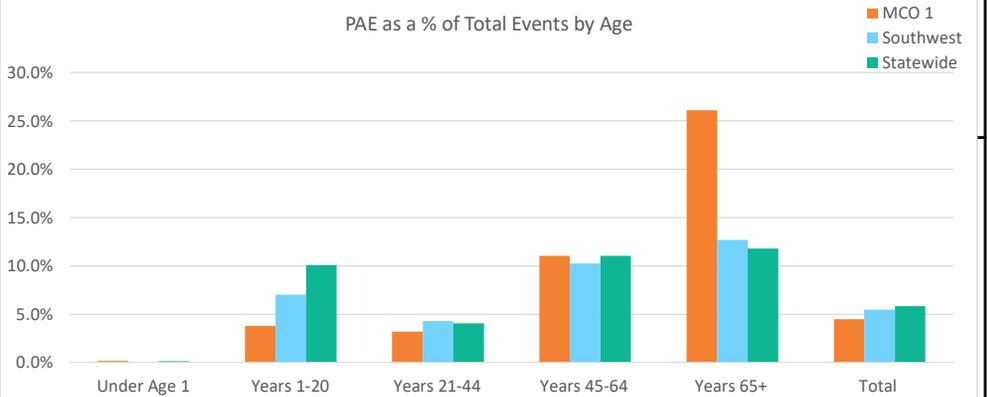
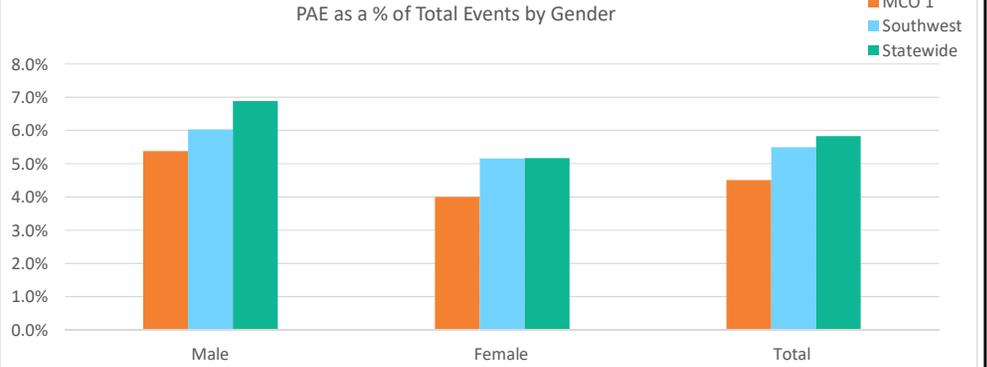
MCO 1		Events			Dollars		
Rate Cell	Total	PAE	% of Total	Total	PAE	% of Total	
Under Age 1	4,267	7	0.2%	\$ 24,726,718	\$ 43,600	0.2%	
TANF-MAGI Ages 1-20	1,351	50	3.7%	\$ 11,049,454	\$ 257,063	2.3%	
TANF-MAGI Ages 21+	3,374	66	2.0%	\$ 16,772,492	\$ 334,301	2.0%	
Disabled-BCC Ages 1+	3,697	384	10.4%	\$ 43,702,708	\$ 2,755,803	6.3%	
Newly Eligible Ages 19 to 44	2,238	95	4.2%	\$ 18,376,417	\$ 530,948	2.9%	
Newly Eligible Ages 45 to 64	1,825	153	8.4%	\$ 21,217,407	\$ 1,088,240	5.1%	
Total	16,752	755	4.5%	\$ 135,845,196	\$ 5,009,955	3.7%	
Southwest		Events			Dollars		
Rate Cell	Total	PAE	% of Total	Total	PAE	% of Total	
Under Age 1	11,363	9	0.1%	\$ 81,869,580	\$ 36,695	0.0%	
TANF-MAGI Ages 1-20	3,507	219	6.2%	\$ 31,807,668	\$ 1,264,045	4.0%	
TANF-MAGI Ages 21+	10,332	263	2.5%	\$ 56,678,588	\$ 1,326,107	2.3%	
Disabled-BCC Ages 1+	13,830	1,538	11.1%	\$ 172,769,532	\$ 10,954,369	6.3%	
Newly Eligible Ages 19 to 44	7,882	436	5.5%	\$ 69,182,585	\$ 2,282,693	3.3%	
Newly Eligible Ages 45 to 64	6,724	483	7.2%	\$ 77,429,269	\$ 3,202,277	4.1%	
Total	53,638	2,948	5.5%	\$ 489,737,221	\$ 19,066,186	3.9%	
Statewide		Events			Dollars		
Rate Cell	Total	PAE	% of Total	Total	PAE	% of Total	
Under Age 1	56,621	88	0.2%	\$ 422,565,208	\$ 399,192	0.1%	
TANF-MAGI Ages 1-20	20,853	2,255	10.8%	\$ 175,679,399	\$ 11,735,769	6.7%	
TANF-MAGI Ages 21+	50,392	1,219	2.4%	\$ 282,650,032	\$ 6,638,777	2.3%	
Disabled-BCC Ages 1+	56,651	6,449	11.4%	\$ 708,968,224	\$ 49,009,020	6.9%	
Newly Eligible Ages 19 to 44	37,450	2,118	5.7%	\$ 330,591,843	\$ 11,954,843	3.6%	
Newly Eligible Ages 45 to 64	30,490	2,597	8.5%	\$ 366,973,717	\$ 19,201,384	5.2%	
Total	252,457	14,726	5.8%	\$ 2,287,428,422	\$ 98,938,985	4.3%	

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PAE Analysis:	Potentially Avoidable Admissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
MCO:	MCO 1

5. Events and Dollars by Age Band and Gender

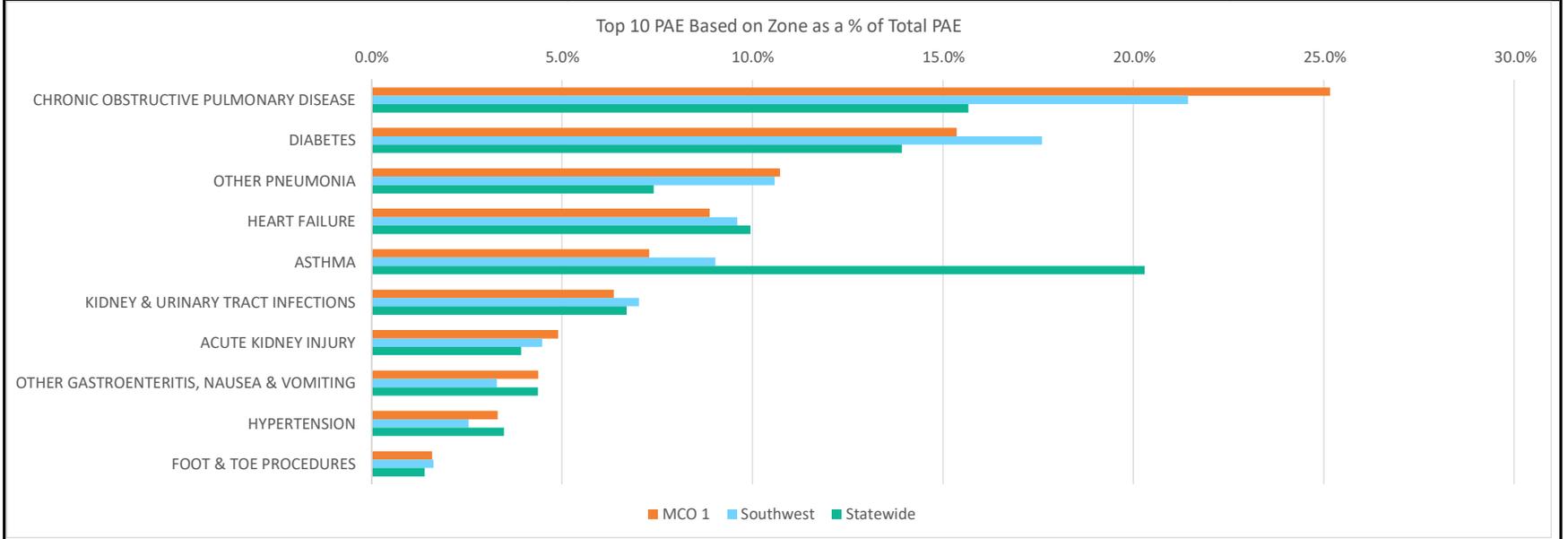
MCO 1		Events			Dollars		
Age Band	Gender	Total	PAE	% of Total	Total	PAE	% of Total
All Ages	M	6,127	330	5.4%	\$ 62,391,016	\$ 2,285,047	3.7%
All Ages	F	10,625	425	4.0%	\$ 73,454,179	\$ 2,724,908	3.7%
Total		16,752	755	4.5%	\$ 135,845,196	\$ 5,009,955	3.7%
Under Age 1		4,267	7	0.2%	\$ 24,726,718	\$ 43,600	0.2%
Years 1-20		2,058	78	3.8%	\$ 20,321,952	\$ 393,117	1.9%
Years 21-44		6,177	198	3.2%	\$ 41,194,482	\$ 1,137,452	2.8%
Years 45-64		4,227	466	11.0%	\$ 49,328,735	\$ 3,380,678	6.9%
Years 65+		23	6	26.1%	\$ 273,310	\$ 55,108	20.2%
Total		16,752	755	4.5%	\$ 135,845,196	\$ 5,009,955	3.7%
Southwest		Events			Dollars		
Age Band	Gender	Total	PAE	% of Total	Total	PAE	% of Total
All Ages	M	20,680	1,247	6.0%	\$ 225,924,315	\$ 8,564,874	3.8%
All Ages	F	32,958	1,701	5.2%	\$ 263,812,906	\$ 10,501,312	4.0%
Total		53,638	2,948	5.5%	\$ 489,737,221	\$ 19,066,186	3.9%
Under Age 1		11,363	9	0.1%	\$ 81,869,580	\$ 36,695	0.0%
Years 1-20		6,010	422	7.0%	\$ 70,631,235	\$ 2,402,108	3.4%
Years 21-44		20,199	866	4.3%	\$ 148,536,735	\$ 4,966,193	3.3%
Years 45-64		15,932	1,634	10.3%	\$ 187,030,811	\$ 11,536,194	6.2%
Years 65+		134	17	12.7%	\$ 1,668,861	\$ 124,996	7.5%
Total		53,638	2,948	5.5%	\$ 489,737,221	\$ 19,066,186	3.9%
Statewide		Events			Dollars		
Age Band	Gender	Total	PAE	% of Total	Total	PAE	% of Total
All Ages	M	97,005	6,681	6.9%	\$ 1,072,556,025	\$ 48,049,757	4.5%
All Ages	F	155,452	8,045	5.2%	\$ 1,214,872,397	\$ 50,889,228	4.2%
Total		252,457	14,726	5.8%	\$ 2,287,428,422	\$ 98,938,985	4.3%
Under Age 1		56,621	88	0.2%	\$ 422,565,208	\$ 399,192	0.1%
Years 1-20		33,279	3,362	10.1%	\$ 357,373,860	\$ 17,985,843	5.0%
Years 21-44		95,780	3,888	4.1%	\$ 697,131,523	\$ 23,192,914	3.3%
Years 45-64		65,624	7,252	11.1%	\$ 795,335,345	\$ 56,241,552	7.1%
Years 65+		1,153	136	11.8%	\$ 15,022,486	\$ 1,119,484	7.5%
Total		252,457	14,726	5.8%	\$ 2,287,428,422	\$ 98,938,985	4.3%



Template for Demonstration Only

PAE Analysis:	Potentially Avoidable Admissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
MCO:	MCO 1

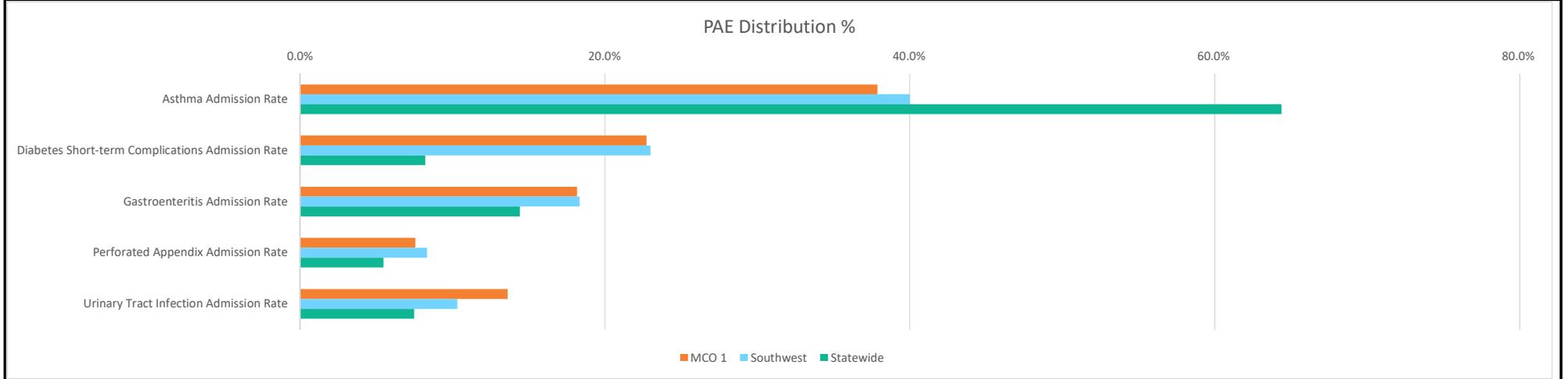
6. Events and Dollars by Top 10 APR-DRG											
Top 10 PAE by Zone			MCO 1			Southwest			Statewide		
Zone Rank	APR DRG	Description	PAE	PAE Dollars	% of Total PAE	PAE	PAE Dollars	% of Total PAE	PAE	PAE Dollars	% of Total PAE
1	0140	CHRONIC OBSTRUCTIVE PULMONARY DISEASE	190	\$ 1,055,250	25.2%	632	\$ 3,838,358	21.4%	2,307	\$ 14,410,363	15.7%
2	0420	DIABETES	116	\$ 566,730	15.4%	519	\$ 2,351,955	17.6%	2,051	\$ 10,148,929	13.9%
3	0139	OTHER PNEUMONIA	81	\$ 554,345	10.7%	312	\$ 1,795,726	10.6%	1,091	\$ 6,373,980	7.4%
4	0194	HEART FAILURE	67	\$ 323,555	8.9%	283	\$ 2,033,879	9.6%	1,465	\$ 11,059,808	9.9%
5	0141	ASTHMA	55	\$ 225,862	7.3%	266	\$ 1,187,101	9.0%	2,989	\$ 13,655,256	20.3%
6	0463	KIDNEY & URINARY TRACT INFECTIONS	48	\$ 202,345	6.4%	207	\$ 865,667	7.0%	986	\$ 4,631,277	6.7%
7	0469	ACUTE KIDNEY INJURY	37	\$ 253,767	4.9%	132	\$ 833,439	4.5%	578	\$ 3,926,530	3.9%
8	0249	OTHER GASTROENTERITIS, NAUSEA & VOMITING	33	\$ 152,917	4.4%	97	\$ 421,315	3.3%	643	\$ 2,786,267	4.4%
9	0199	HYPERTENSION	25	\$ 130,420	3.3%	75	\$ 350,521	2.5%	512	\$ 2,603,259	3.5%
10	0314	FOOT & TOE PROCEDURES	12	\$ 153,209	1.6%	48	\$ 599,999	1.6%	205	\$ 2,763,805	1.4%
		All Else	91	\$ 1,391,555	12.1%	377	\$ 4,788,226	12.8%	1,899	\$ 26,579,512	12.9%
		Total	755	\$ 5,009,955	100.0%	2,948	\$ 19,066,186	100.0%	14,726	\$ 98,938,985	100.0%



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PAE Analysis:	Potentially Avoidable Admissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
MCO:	MCO 1

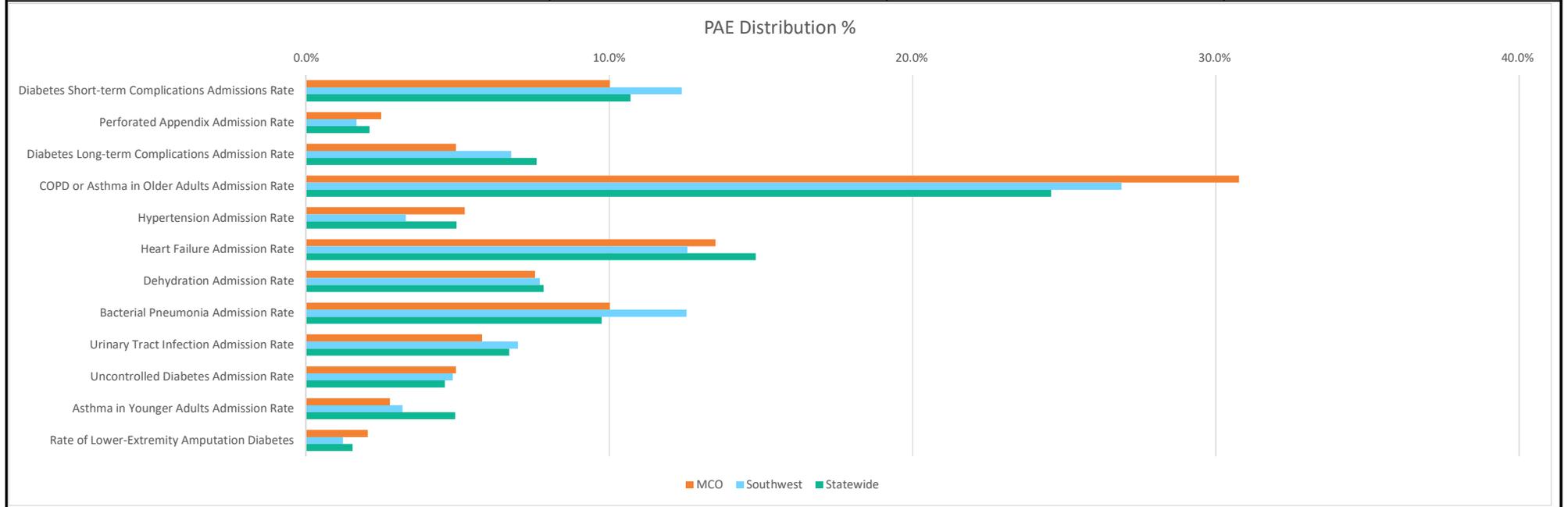
7. Admissions and Dollars by PDI (Pediatric)										
PDI #	PDI Description	MCO 1			Southwest			Statewide		
		PAE	PAE Dollars	% of Total PAE	PAE	PAE Dollars	% of Total PAE	PAE	PAE Dollars	% of Total PAE
14	Asthma Admission Rate	25	\$ 86,455	37.9%	120	\$ 553,359	40.0%	1,901	\$ 8,795,958	64.4%
15	Diabetes Short-term Complications Admission Rate	15	\$ 85,193	22.7%	69	\$ 449,686	23.0%	243	\$ 1,589,874	8.2%
16	Gastroenteritis Admission Rate	12	\$ 76,840	18.2%	55	\$ 294,663	18.3%	426	\$ 1,890,933	14.4%
17	Perforated Appendix Admission Rate	5	\$ 46,218	7.6%	25	\$ 320,903	8.3%	162	\$ 2,049,215	5.5%
18	Urinary Tract Infection Admission Rate	9	\$ 39,787	13.6%	31	\$ 196,187	10.3%	221	\$ 1,343,669	7.5%
Total		66	\$ 334,492	100.0%	300	\$ 1,814,799	100.0%	2,953	\$ 15,669,649	100.0%



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PAE Analysis:	Potentially Avoidable Admissions
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
MCO:	MCO 1

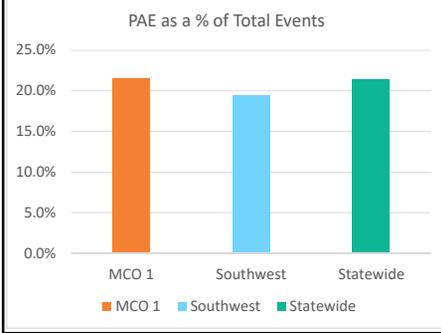
8. Admissions and Dollars by PQI (Adult)										
PQI #	PQI Description	MCO 1			Southwest			Statewide		
		PAE	PAE Dollars	% of Total PAE	PAE	PAE Dollars	% of Total PAE	PAE	PAE Dollars	% of Total PAE
1	Diabetes Short-term Complications Admissions Rate	69	\$ 468,052	10.0%	328	\$ 1,536,405	12.4%	1,259	\$ 7,108,581	10.7%
2	Perforated Appendix Admission Rate	17	\$ 156,786	2.5%	44	\$ 320,708	1.7%	245	\$ 2,489,119	2.1%
3	Diabetes Long-term Complications Admission Rate	34	\$ 314,485	4.9%	179	\$ 1,788,351	6.8%	894	\$ 9,432,164	7.6%
5	COPD or Asthma in Older Adults Admission Rate	212	\$ 1,407,273	30.8%	712	\$ 4,644,548	26.9%	2,892	\$ 18,369,507	24.6%
7	Hypertension Admission Rate	36	\$ 196,943	5.2%	87	\$ 528,986	3.3%	584	\$ 3,512,521	5.0%
8	Heart Failure Admission Rate	93	\$ 716,548	13.5%	333	\$ 2,801,309	12.6%	1,746	\$ 16,310,477	14.8%
10	Dehydration Admission Rate	52	\$ 313,036	7.5%	204	\$ 1,165,938	7.7%	921	\$ 5,560,017	7.8%
11	Bacterial Pneumonia Admission Rate	69	\$ 342,807	10.0%	332	\$ 2,193,978	12.5%	1,147	\$ 7,359,940	9.7%
12	Urinary Tract Infection Admission Rate	40	\$ 171,083	5.8%	185	\$ 799,546	7.0%	788	\$ 3,568,643	6.7%
14	Uncontrolled Diabetes Admission Rate	34	\$ 129,583	4.9%	128	\$ 494,348	4.8%	538	\$ 2,085,563	4.6%
15	Asthma in Younger Adults Admission Rate	19	\$ 129,606	2.8%	84	\$ 365,311	3.2%	579	\$ 2,763,471	4.9%
16	Rate of Lower-Extremity Amputation Diabetes	14	\$ 329,260	2.0%	32	\$ 611,959	1.2%	180	\$ 4,709,333	1.5%
Total		689	\$ 4,675,463	100.0%	2,648	\$ 17,251,386	100.0%	11,773	\$ 83,269,336	100.0%



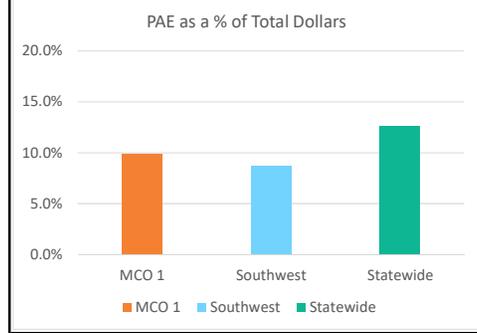
Appendix E
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PAE Analysis:	Potentially Avoidable Visits
Program Type:	Physical Health HealthChoices
Service Dates:	January 1, 2017 - December 31, 2017
MCO:	MCO 1

1. Total Events			
	MCO 1	Southwest	Statewide
PAE	31,441	73,204	371,049
Total	145,864	376,422	1,740,586
PAE %	21.6%	19.4%	21.3%



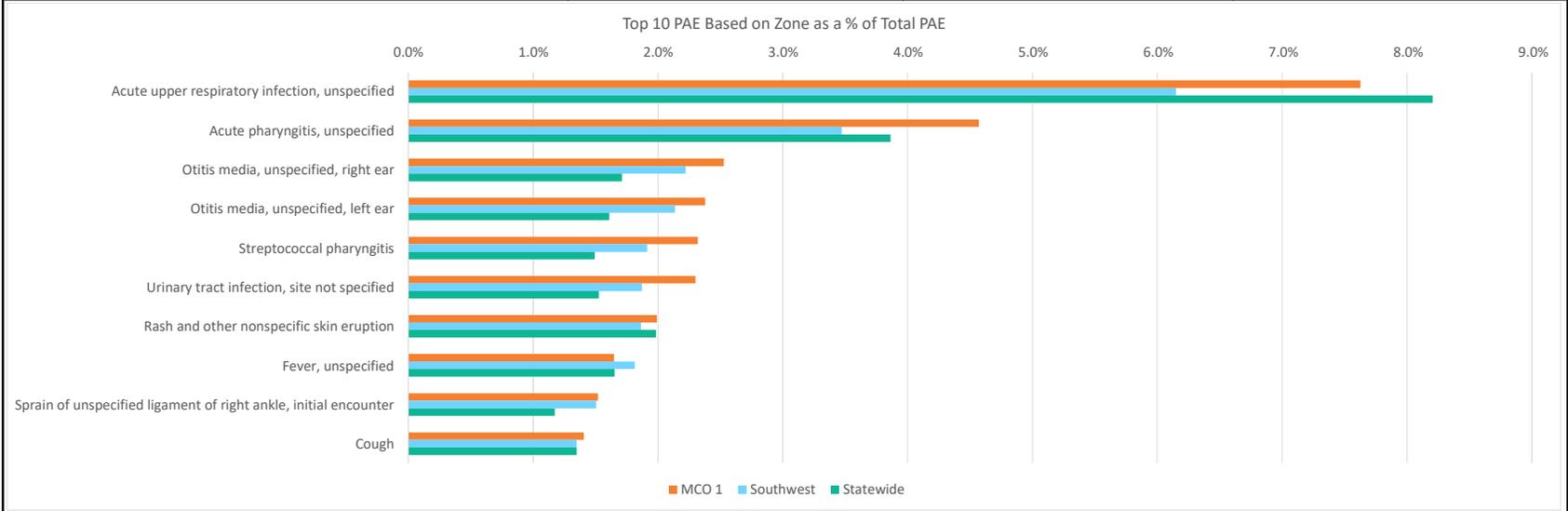
2. Total Dollars			
	MCO 1	Southwest	Statewide
PAE	3,733,117	10,076,111	70,801,509
Total	37,763,641	115,958,575	561,729,711
PAE %	9.9%	8.7%	12.6%



3. Emergency Department Cost Weights			
	MCO 1	Southwest	Statewide
PAE	0.849	0.884	0.859
Total	0.982	1.037	1.000



4. Events and Dollars by Top 10 Diagnosis Code											
Top 10 PAE by Zone			MCO 1			Southwest			Statewide		
Zone Rank	ICD-10	Description	PAE	Dollars	% of Total PAE	PAE	Dollars	% of Total PAE	PAE	Dollars	% of Total PAE
1	J06.9	Acute upper respiratory infection, unspecified	2,398	\$ 256,676	7.6%	4,501	\$ 594,694	6.1%	30,446	\$ 5,884,896	8.2%
2	J02.9	Acute pharyngitis, unspecified	1,437	\$ 155,128	4.6%	2,541	\$ 294,742	3.5%	14,335	\$ 2,452,752	3.9%
3	H66.91	Otitis media, unspecified, right ear	795	\$ 82,974	2.5%	1,627	\$ 210,728	2.2%	6,358	\$ 990,619	1.7%
4	H66.92	Otitis media, unspecified, left ear	748	\$ 83,453	2.4%	1,565	\$ 197,336	2.1%	5,968	\$ 918,691	1.6%
5	J02.0	Streptococcal pharyngitis	729	\$ 72,606	2.3%	1,400	\$ 170,278	1.9%	5,543	\$ 895,524	1.5%
6	N39.0	Urinary tract infection, site not specified	723	\$ 102,325	2.3%	1,369	\$ 211,031	1.9%	5,664	\$ 1,113,202	1.5%
7	R21	Rash and other nonspecific skin eruption	626	\$ 65,742	2.0%	1,364	\$ 140,753	1.9%	7,365	\$ 1,284,569	2.0%
8	R50.9	Fever, unspecified	518	\$ 49,708	1.6%	1,327	\$ 198,853	1.8%	6,135	\$ 1,095,801	1.7%
9	S93.401A	Sprain of unspecified ligament of right ankle, initial encounter	478	\$ 48,352	1.5%	1,102	\$ 184,796	1.5%	4,357	\$ 909,710	1.2%
10	R05	Cough	442	\$ 39,853	1.4%	988	\$ 136,627	1.3%	5,003	\$ 898,445	1.3%
		All Else	22,548	\$ 2,776,300	71.7%	55,421	\$ 7,736,273	75.7%	279,874	\$ 54,357,300	75.4%
		Total	31,441	\$ 3,733,117	100.0%	73,204	\$ 10,076,111	100.0%	371,049	\$ 70,801,509	100.0%



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