



**Division of Health Care Financing and Policy  
Nevada Medicaid Managed Care**

**State Fiscal Year 2020–21  
Network Adequacy Validation**

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## Table of Contents

<b>1. Overview and Methodology .....</b>	<b>1-1</b>
Overview.....	1-1
Methodology .....	1-2
Data Collection.....	1-2
Data Processing.....	1-2
Provider Capacity Analysis.....	1-2
Geographic Network Distribution Analysis.....	1-3
Analytic Considerations .....	1-5
<b>2. NAV Findings—MCO.....</b>	<b>2-1</b>
Network Capacity Analysis.....	2-1
Geographic Network Distribution Analysis.....	2-6
Adherence to Time-Distance Standards.....	2-6
<b>3. NAV Findings—DBA/PAHP.....</b>	<b>3-1</b>
Network Capacity Analysis.....	3-1
Geographic Network Distribution Analysis.....	3-2
Adherence to Time-Distance Standards.....	3-2
<b>4. Discussion.....</b>	<b>4-1</b>
Conclusions.....	4-1
Promising Practices and Opportunities for Improvements.....	4-2
<b>Appendix A. Medicaid Catchment Areas.....</b>	<b>A-1</b>
<b>Appendix B. Provider Crosswalk Categories.....</b>	<b>B-1</b>
<b>Appendix C. Geographic Distribution Analysis.....</b>	<b>C-1</b>
Average Travel Distances and Travel Times .....	C-1

## 1. Overview and Methodology

### Overview

Under the contract for external quality review (EQR), the State of Nevada Department of Health and Human Services, Division of Health Care Financing and Policy (DHCFP) requested that Health Services Advisory Group, Inc. (HSAG), conduct a baseline network adequacy validation (NAV) of the Medicaid provider network for all managed care organizations (MCOs) and the dental benefits administrator (DBA)/prepaid ambulatory health plan (PAHP) during state fiscal year (SFY) 2020-2021. According to the federal regulations for managed care released in May 2016, the activity related to 42 CFR §438.358(b)(1)(iv), validation of network adequacy, shall commence no later than one year from the issuance of the associated EQR protocol. During SFY 2018–2019, HSAG, in collaboration with DHCFP, prepared a provider crosswalk file which served as the MCOs’ and DBA’s guidance to classifying all ordering, referring, and servicing providers contracted to provide care through one of Nevada’s Medicaid MCOs or the DBA into selected provider categories. The MCOs and DBA, collectively referred to as plans, included in the NAV are listed below:

- Anthem Blue Cross and Blue Shield (Anthem)
- Health Plan of Nevada (HPN)
- SilverSummit Healthplan, Inc. (SilverSummit)
- LIBERTY Dental Plan of Nevada, Inc. (LIBERTY)

Out-of-state providers were included in the NAV if they practice in one of the Nevada’s Medicaid catchment areas listed in Appendix A. Many of these providers are geographically closer to recipients living near the Nevada border than some providers practicing within the State. Contracted providers in these catchment areas are subject to the same requirements as in-state providers regarding covered services and prior authorization requirements.

The NAV for SFY 2020-2021 includes network capacity and geographic distribution analyses conducted after the MCOs and DBA identified provider categories by using the provider crosswalk HSAG developed in conjunction with DHCFP. HSAG developed the provider crosswalks in collaboration with the DCHFP in SFY 2018-2019 to serve as a reference to ensure consistent classification of all ordering, referring, and servicing providers across the MCOs and DBA. The consistent classification is vital for the validation of network adequacy to ensure all plans are assessed using the same definitions.

## Methodology

### Data Collection

DHCFP and the plans provided Medicaid member enrollment and demographic information and provider network files, respectively, to HSAG for use in the NAV analysis. HSAG provided detailed data requirements documents to DHCFP and the plans for the requested data, in alignment with the following criteria:

- Member Files
  - Member enrollment and demographic files including all members served by one or more MCOs or the DBA as of February 1, 2021.
- Provider Data
  - Data for providers actively enrolled in an MCO or DBA as of February 1, 2021. The plans mapped providers to selected provider categories in alignment with the provider crosswalk, which detailed the methods for classifying the providers.

### Data Processing

HSAG cleaned, processed, and defined the unduplicated lists of providers, provider locations, and members for inclusion in the analysis. HSAG then standardized and geo-coded all Medicaid member and provider files using Quest Analytics Suite Version 2020.2 software. For all analyses, adults were defined as those members aged 18 years or older, and children were defined as members younger than 18 years of age. Analyses for obstetrics and gynecology (OB/GYN) providers were limited to female members aged 18 years and older.

For each plan, the provider-to-member ratio (provider ratio) was calculated using the number of unduplicated providers with service locations in the State of Nevada or within the Nevada Medicaid catchment areas relative to the unique number of members. To identify unique providers, HSAG deduplicated the plans' provider files by National Provider Identifier (NPI) and provider category. For the time-distance analysis, HSAG included every location listed for a given provider in the MCO's and DBA's provider network.

### Provider Capacity Analysis

To assess the capacity of a given MCO's or DBA's provider network, HSAG calculated the ratio of the number of providers by provider category (e.g., primary care providers [PCPs], cardiologists) to the number of members. The provider ratio represents a summary statistic used to highlight the overall capacity of an MCO's or DBA's provider network to deliver services to Medicaid recipients. A larger number for providers for a given number of members suggests greater network access since more providers are available to render services to individuals. Provider counts for this analysis were based on counts of distinct providers and not distinct provider locations.

Table 1-1 shows the provider categories used to assess the MCOs’ and DBA’s compliance with the provider ratio standards in the MCO and DBA contracts. The results for additional provider types outlined in the provider crosswalk were included in the provider ratio analyses for reference. Since DHCFP does not maintain provider ratio standards for these additional categories, the MCOs’ and DBA’s compliance cannot be assessed. HSAG provides the data for informational purposes only.

**Table 1-1—Provider Categories and Provider Ratio Standards**

Provider Category	Provider to Member Ratio Standard
Primary Care Providers	1:1,500*
Physician Specialists	1:1,500
Dental Primary Care	1:1,500
Dental Specialists	1:1,500

\* If the PCP practices in conjunction with a health care professional, the ratio is increased to one (1) FTE PCP for every 1,800 members.

### Geographic Network Distribution Analysis

The second dimension of this study evaluated the geographic distribution of providers relative to MCO or DBA members. While the previously described provider capacity analysis identified the degree to which each MCO’s or DBA’s provider network infrastructure was sufficient in the number of providers across a variety of specialties, the geographic network distribution analysis evaluated whether the number of provider locations in an MCO’s or DBA’s provider network was appropriately distributed for the plan’s Medicaid population.

To provide a comprehensive view of geographic access, HSAG calculated the following two spatially derived metrics for the provider categories identified in the provider crosswalks:

- Percentage of members within access standards listed in the MCO and DBA contracts: A higher percentage of members meeting access standards indicates a better geographic distribution of MCO providers relative to Medicaid members.
- Average travel distances (driving distances in miles) and travel times (driving times in minutes) to the nearest three providers: A shorter driving distance or travel time indicates greater accessibility to providers since members must travel fewer miles or minutes to access care.

HSAG calculated the duration of travel time and physical distance between the addresses of specific members and their nearest one-to-three providers for all provider categories identified in the provider crosswalks. All study results are stratified by MCO and DBA. HSAG also stratified the time to the nearest provider results by urbanicity.

Table 1-2 shows the provider categories used to assess the MCOs’ and DBA’s and the associated time-distance standards. Additional provider types outlined in the provider crosswalk were included in the

provider ratio analyses and average travel time analyses. The full list of provider types shown in the provider crosswalk are listed in Appendix B.

**Table 1-2—Provider Categories, Member Criteria, and Time-Distance Standards**

Provider Category	Member Criteria	Time-Distance Access Standard
<b>Primary Care Providers</b>		
Federally Qualified Health Center (FQHC)/Rural Health Clinic (RHC)	Adults	30 minutes or 20 miles
Family Practice	Adults	30 minutes or 20 miles
Internal Medicine	Adults	30 minutes or 20 miles
General Practitioner	Adults	30 minutes or 20 miles
Nurse Practitioner (NP)	Adults	30 minutes or 20 miles
Physician Assistant (PA)	Adults	30 minutes or 20 miles
OB/GYN	Adult Females	30 minutes or 20 miles
Pediatrician	Children	30 minutes or 20 miles
<b>Specialty Providers</b>		
Endocrinologists	Adults	100 minutes or 75 miles
Endocrinologists, Pediatric	Children	100 minutes or 75 miles
Infectious Disease	Adults	100 minutes or 75 miles
Infectious Disease, Pediatric	Children	100 minutes or 75 miles
Rheumatologist	Adults	100 minutes or 75 miles
Rheumatologist, Pediatric	Children	100 minutes or 75 miles
Oncologist/Hematologist	Adults	100 minutes or 75 miles
Oncologist/Hematologist, Pediatric	Children	100 minutes or 75 miles
Oncologist/Radiologist*	Adults	100 minutes or 75 miles
<b>Behavioral Health Providers</b>		
Psychologist	Adults	60 minutes or 45 miles
Pediatric Psychologist	Children	60 minutes or 45 miles
Psychiatrist	Adults	60 minutes or 45 miles
Pediatric Psychiatrist	Children	60 minutes or 45 miles
Licensed Clinical Social Worker (LCSW)	Adults	60 minutes or 45 miles
<b>Facility Level Providers</b>		
Inpatient Hospital	Adults	80 minutes or 60 miles
Psychiatry Inpatient Hospital	Adults	80 minutes or 60 miles

Provider Category	Member Criteria	Time-Distance Access Standard
Pediatric Hospital	Children	80 minutes or 60 miles
Dialysis/End Stage Renal Disease (ESRD) Facility	Adults	80 minutes or 60 miles
<b>Dental Providers</b>		
General Dentist	Adults	30 minutes or 20 miles
Pediatric Dentist	Children	30 minutes or 20 miles
Endodontist	Adults	30 minutes or 20 miles
Periodontist	Adults	30 minutes or 20 miles
Prosthodontist	Adults	30 minutes or 20 miles
Oral Surgeon	Adults	30 minutes or 20 miles
Dental Hygienist	Adults	30 minutes or 20 miles
Dental Therapist	Adults	30 minutes or 20 miles

\* Note: The Oncologist/Radiologist provider category was not included in the provider crosswalk, and providers in this group were identified using taxonomy codes 2085R0001X-Radiation Oncology and 261QX0203X-Oncology, Radiation.

## Analytic Considerations

Various factors associated with the SFY 2020–2021 NAV may affect the validity or interpretation of the results presented in this report, including, but not limited to:

- Provider ratios represent high-level, aggregate measures of capacity based on the number of unique providers relative to members. This raw count of capacity does not account for the individual status of a provider’s panel (i.e., accepting or not accepting new patients) or how active the provider is in the Medicaid program. Further, it is likely that a portion of providers are contracted to provide services for all three MCOs. As such, the provider ratio represents a potential capacity and may not directly reflect the availability of providers at any point in time.
- NAV findings are associated with the plans’ network data files for all providers active with each plan as of February 1, 2021, and are contingent on the quality of member and network data supplied by DHCFP and the plans, respectively. Any substantial and systematic errors in plans’ provider data, may compromise the validity and reliability of the FY 2020–2021 NAV results.
  - NAV results do not reflect plans’ network changes implemented since February 2021.
  - HSAG and DHCFP directed the plans to use the approved network crosswalk when preparing network data. As the crosswalk was initially developed based on the plans’ FY 2019–2020 network data, a lack of compliance identified during the NAV analyses may reflect either a lack of contracted providers for the specified plan, or a plan’s challenges in aligning internal network data with the approved network crosswalk categories.
  - It was beyond the FY 2020–2021 NAV scope to evaluate the accuracy of the plans’ network data against an external standard (e.g., using telephone survey calls to verify the accuracy of network locations, contact information, new patient acceptance, or services offered).

- When evaluating the results presented in this report, note that provider data supplied by the plans do not include providers contracted with the plans under limited use contracts or single case agreements. A larger number of members may have access to providers if plans contract with selected providers under these limited use agreements versus standard contract agreements.
- The time and distance calculations reflected in the FY 2020–2021 NAV represent a high-level measurement of the similarity of the geographic distribution of network locations relative to members. These raw, comparative statistics do not account for the individual status of a provider’s panel (i.e., accepting or not accepting new patients) at a specific location or how active the provider location is in the Nevada managed care program.
  - It is likely that some network locations are contracted to provide services for more than one MCO. As such, time/distance results highlight the geographic distribution of a provider network for all available network locations noted in plans’ network data files, without considering potential barriers to new patient acceptance or appointment availability at individual service locations
  - Prior to calculating time and distance results, HSAG geocoded the plans’ provider and member data to assign latitude and longitude values to each record. A limited percentage of records could not be geocoded and were subsequently excluded from NAV analyses.
  - The member address data may not always reflect a member’s place of residence (e.g., use of post office boxes), or be identifiable with mapping software (e.g., addresses reflecting local place designations, rather than street addresses). While mapping software may assign members to geographic coordinates, these coordinates may not align with the member’s exact residential location for records that do not use a standard street address.
  - When evaluating the results of these analyses, it is important to note that the reported, average drive time may not mirror driver experience based on varying traffic conditions. Instead, average drive time should be interpreted as a standardized measure of the geographic distribution of providers relative to Medicaid members; the shorter the average drive time, the more similar the distribution of providers is relative to members.



## 2. NAV Findings—MCO

HSAG calculated the ratio of providers to members for each MCO to assess the capacity of Nevada’s provider network and to assess compliance with the network adequacy standards stated in the MCO contracts. This provider ratio analysis is coupled with a geographic network distribution analysis to identify areas of provider need and to compare the provider networks maintained by each MCO.

### Network Capacity Analysis

Table 2-1 enumerates the member populations for the three Nevada MCOs. Provider ratios for adult specialists were calculated using the adult member population only; similarly, provider ratios for child specialists were calculated using the child member population only. The provider ratios for OB/GYN were based on the adult female population only.

**Table 2-1—Populations of Eligible Members**

Member Category	Anthem	HPN	SilverSummit
<b>Member Demographics</b>			
Adults	130,133	148,995	43,555
<i>Adult Females</i>	<i>75,279</i>	<i>88,893</i>	<i>23,248</i>
Children	105,214	124,928	24,920
<b>Total Population</b>	<b>235,347</b>	<b>273,923</b>	<b>68,475</b>

Note: “Adult Females” are a subset of “Adults.” Therefore, the “Total Population” row contains the sum of the “Adults” and “Children” rows and not the sum of all displayed rows.

Member populations were similar for Anthem and HPN, with approximately 45 percent of all members in each plan being children (age 17 years and younger). For SilverSummit, the percentage of members 17 years of age and younger was approximately 36 percent. Additionally, approximately one-third of each MCO’s members were adult females. HPN had the largest member population (n=273,923), and SilverSummit had the smallest member population (n=68,475). Similar to trends in Medicaid increases across the United States in the past year due to the COVID-19 pandemic<sup>1</sup>, a substantial increase in membership was observed across all MCOs when compared to the number of distinct members reported during the prior year’s NAV. Last year’s NAV analysis reported 162,425 members for Anthem, 209,569 members for Health Plan of Nevada, and 41,201 members for SilverSummit Healthplan, Inc.

<sup>1</sup> Stolyar L, Hinton E, Singer N, Rudowitz R. Growth in Medicaid MCO Enrollment during the COVID-19 Pandemic. Published March 5, 2021. [Growth in Medicaid MCO Enrollment during the COVID-19 Pandemic | KFF](#) Accessed May 25, 2021.

When interpreting the provider ratio results, it should be considered that not all members require routine care by all provider types; therefore, thresholds requiring fewer providers for a given number of members may be appropriate for certain specialty providers. Additionally, ratio results were not adjusted to account for the distribution of demographic and clinical member characteristics represented within each MCO. An MCO with a greater number of members with comorbidities or specific conditions may require a greater number of specialty providers. Lastly, the provider ratio standards were limited to the broad categories of PCPs and physician specialist providers, not to specific specialties within those categories. For example, an MCO must maintain a network of one physician specialist to 1,500 members but is not required to maintain that ratio for each identified specialty category (e.g., pulmonologists). For the purposes of this report, ratios for individual specialty groups are shown for informational purposes, but only the standards shown in Table 1-1 were assessed for compliance.

Table 2-2 through Table 2-6 present provider ratio analysis results including out-of-state providers within the catchment areas, since members may travel outside the State for medical services. Provider ratios are a measure of provider capacity based on the number of providers in the MCO network and the number of Medicaid members enrolled in the MCO. For example, in Table 2-2, Anthem has 1,173 PCPs, resulting in a ratio of 1 PCP for every 201 members (i.e., 1:201). For the provider categories assessed according to the standards, the provider ratios are shown in red if they did not comply with the standard.

**Table 2-2—Summary of Ratio Analysis Results for Primary Care Providers**

Provider Category	Anthem		HPN		SilverSummit	
	Providers	Ratio	Providers	Ratio	Providers	Ratio
<b>Primary Care Providers</b>						
<b>Primary Care Providers (1:1,500)</b>	<b>1,173</b>	<b>1:201</b>	<b>1,801</b>	<b>1:152</b>	<b>1,620</b>	<b>1:42</b>
FQHCs/RHCs	1	1:130,133	13	1:11,461	35	1:1,244
Family Practice	283	1:460	476	1:313	374	1:116
Internal Medicine	438	1:297	782	1:191	748	1:58
General Practitioner	10	1:13,013	20	1:7,450	18	1:2,420
OB/GYN	223	1:338	205	1:434	166	1:140
Pediatrician	222	1:474	324	1:386	334	1:75
<b>PCP Extenders (1:1,800)</b>	<b>1,266</b>	<b>1:186</b>	<b>1,020</b>	<b>1:269</b>	<b>1,217</b>	<b>1:56</b>
NP	849	1:153	745	1:200	844	1:52
PA	422	1:308	275	1:542	383	1:114

Anthem, HPN, and SilverSummit reported providers in every PCP and PCP extender category. All MCOs met the required provider ratios for *PCPs* and *PCP Extenders*. SilverSummit reported more providers per member across all PCP and PCP extender categories, which may be the results of having a smaller member population compared to Anthem and HPN.

**Table 2-3—Summary of Ratio Analysis Results for Specialty Care Providers**

Provider Category	Anthem		HPN		SilverSummit	
	Providers	Ratio	Providers	Ratio	Providers	Ratio
<b>Specialty Providers</b>						
<b>Physician Specialist Providers (1:1,500)</b>	<b>1,300</b>	<b>1:181</b>	<b>1,973</b>	<b>1:139</b>	<b>1,171</b>	<b>1:58</b>
Allergists & Immunologists	7	1:18,590	15	1:9,933	8	1:5,444
Allergists & Immunologists, Pediatric	NA	NA	2	1:62,464	1	1:24,920
Cardiologists	116	1:1,122	243	1:613	121	1:360
Cardiologists, Pediatric	14	1:7,515	16	1:7,808	21	1:1,187
Dermatologists	29	1:4,487	104	1:1,433	34	1:1,281
Dermatologists, Pediatric	NA	NA	NA	NA	NA	NA
Endocrinologists	16	1:8,133	33	1:4,515	20	1:2,178
Endocrinologists, Pediatric	7	1:15,031	6	1:20,821	5	1:4,984
Gastroenterologists	56	1:2,324	125	1:1,192	83	1:525
Gastroenterologists, Pediatric	10	1:10,521	8	1:15,616	9	1:2,769
General Surgery	107	1:1,216	140	1:1,064	164	1:266
Pediatric Surgery	8	1:13,152	7	1:17,847	9	1:2,769
Geriatrics	12	1:10,844	10	1:14,900	26	1:1,675
Infectious Disease	18	1:7,230	44	1:3,386	27	1:1,613
Infectious Disease, Pediatric	3	1:35,071	5	1:24,986	3	1:8,307
Maternal/Fetal Medicine	99	1:760	118	1:753	71	1:327
Nephrologists	93	1:1,399	112	1:1,330	92	1:473
Nephrologists, Pediatric	4	1:26,304	5	1:24,986	4	1:6,230
Neurologists	91	1:1,430	166	1:898	101	1:431
Neurologists, Pediatric	9	1:11,690	13	1:9,610	8	1:3,115
Oncologist/Hematologist	54	1:2,410	88	1:1,693	71	1:613
Oncologist/Hematologist, Pediatric	9	1:11,690	9	1:13,881	12	1:2,077
Oncologist/Radiologist	28	1:4,648	NA	NA	26	1:1,675
Orthopedic Surgeons	125	1:1,041	201	1:741	58	1:751
Orthopedic Surgeons, Pediatric	1	1:105,214	5	1:24,986	4	1:6,230
Otolaryngologists (ENTs)	37	1:3,517	72	1:2,069	25	1:1,742
Otolaryngologists (ENTs), Pediatric	NA	NA	NA	NA	1	1:24,920
Physical Medicine Specialists	36	1:3,615	164	1:909	43	1:1,013
Physical Medicine Specialists, Pediatric	NA	NA	NA	NA	NA	NA
Pulmonologists	45	1:2,892	91	1:1,637	49	1:889
Pulmonologists, Pediatric	5	1:21,043	7	1:17,847	4	1:6,230

Provider Category	Anthem		HPN		SilverSummit	
	Providers	Ratio	Providers	Ratio	Providers	Ratio
Rheumatologist	7	1:18,590	22	1:6,773	20	1:2,178
Rheumatologist, Pediatric	3	1:35,071	2	1:62,464	1	1:24,920
Urologists	31	1:4,198	33	1:4,515	34	1:1,281
Urologists, Pediatric	4	1:26,304	8	1:15,616	6	1:4,153
Vision Care Provider	217	1:600	133	1:1,120	84	1:519
Vision Care Provider, Pediatric	2	1:52,607	7	1:17,847	2	1:12,460

NA (Not Applicable) indicates that the MCO did not report providers in the provider category.

\*ENT = ear, nose, and throat

All MCOs met the provider ratio standard for physician specialist providers. None of the MCOs reported having *Dermatologists, Pediatric* and *Physical Medicine Specialists, Pediatric* providers in their respective provider networks. Additionally, Anthem did not report any *Allergists & Immunologists, Pediatric*, and *Otolaryngologists (ENTs), Pediatric* providers, while, HPN did not report any *Oncologist/Radiologist* and *Otolaryngologists (ENTs), Pediatric* in their provider network. When compared to Anthem and HPN, SilverSummit had more providers per member, as evidenced by their overall *Physician Specialist Providers* ratio of 1:58.

**Table 2-4—Summary of Ratio Analysis Results for Behavioral Health Providers**

Provider Category	Anthem		HPN		SilverSummit	
	Providers	Ratio	Providers	Ratio	Providers	Ratio
<b>Behavioral Health Providers</b>						
Outpatient Mental Health Facilities	28	1:4,648	141	1:1,057	154	1:283
Behavior Analyst/Technician	493	1:264	654	1:228	224	1:194
Counselor	465	1:280	136	1:1,096	507	1:86
Substance Abuse Counselor	160	1:813	183	1:814	151	1:288
Marriage and Family Therapist	436	1:298	285	1:523	361	1:121
Psychologist	103	1:1,263	77	1:1,935	84	1:519
Pediatric Psychologist	5	1:21,043	27	1:4,627	8	1:3,115
Social Worker	606	1:215	339	1:440	745	1:58
Psychiatrist	126	1:1,033	297	1:502	165	1:264
Pediatric Psychiatrist	23	1:4,575	47	1:2,658	30	1:831
Substance Abuse Facilities/Clinics	4	1:32,533	20	1:7,450	34	1:1,281

Anthem, HPN, and SilverSummit reported providers in all behavioral health provider categories. SilverSummit had the greatest number of providers per member across all individual behavioral health provider categories.

**Table 2-5—Summary of Ratio Analysis Results for Ancillary Providers**

Provider Category	Anthem		HPN		SilverSummit	
	Providers	Ratio	Providers	Ratio	Providers	Ratio
<b>Ancillary Providers</b>						
Audiologists	25	1:5,205	42	1:3,548	23	1:1,894
Occupational Therapists	140	1:930	204	1:730	177	1:246
Podiatrists	32	1:4,067	38	1:3,921	16	1:2,722
Physical Therapists	326	1:399	320	1:466	382	1:114
Speech Therapists	175	1:744	234	1:637	166	1:262

All three MCOs reported providers in all Ancillary Provider categories, and the number of providers contracted by the MCOs was fairly consistent across all MCOs. However, SilverSummit had more providers per member for all ancillary provider categories. Since the number of providers is fairly consistent across MCOs, the variation in provider ratios for a given provider type are the result mainly of differences in size of the MCOs’ member population.

**Table 2-6—Summary of Ratio Analysis Results for Facility Level Providers**

Provider Category	Anthem		HPN		SilverSummit	
	Providers	Ratio	Providers	Ratio	Providers	Ratio
<b>Facility Level Providers</b>						
Inpatient Hospital	20	1:6,507	26	1:5,731	29	1:1,502
Pediatric Hospital	3	1:35,071	1	1:124,928	1	1:24,920
Psychiatry Inpatient Hospital	9	1:14,459	8	1:18,624	9	1:4,839
Ambulatory Surgical Centers/Outpatient Hospitals	40	1:3,253	53	1:2,811	34	1:1,281
Radiology (Facilities/Clinics)	5	1:26,027	27	1:5,518	34	1:1,281
Hospice	NA	NA	10	1:14,900	6	1:7,259
Home Health Facility	27	1:4,820	41	1:3,634	48	1:907
Skilled Nursing Facility	28	1:4,648	29	1:5,138	27	1:1,613
Dialysis/ESRD Facility	25	1:5,205	16	1:9,312	28	1:1,556
Pharmacy	7	1:18,590	455	1:327	2	1:21,778

NA indicates that the MCO did not report providers in the provider category.

Also, Anthem did not report any *Hospice* providers. The number of providers per category did not vary drastically when comparing across MCOs, with the notable exception of the number of reported providers for the *Pharmacy* category. HPN reported 455 pharmacies in their provider network, whereas Anthem reported seven and SilverSummit reported two. In the raw data, HPN listed individual pharmacy locations for several large nationwide pharmacy networks (i.e., Walgreens®, CVS®, and Smith’s® grocery stores). A review of the online directories for Anthem and SilverSummit identified several locations for large nationwide pharmacy chains despite those pharmacies and locations not being included in the data. As a result, this finding is likely the result of an incomplete data submission and member access to pharmacies cannot truly be identified across MCOs with the data submitted for this project.

## Geographic Network Distribution Analysis

Geographic network distribution analyses assess whether members experience undue burden related to either excessive travel time or distance required to reach the nearest provider. The State of Nevada has established contract standards by provider category for the maximum allowable distance a member must travel to receive care (previously presented in Table 1-2).

### Adherence to Time-Distance Standards

Table 2-7 through Table 2-10 list the percentages of members within the contract standards for each provider type by MCO. Provider categories are shown in red when the results are below 90 percent.

**Table 2-7—Percentages of Members Residing Within Access Standard Areas for Primary Care Providers**

Provider Category	Time-Distance Standard	Anthem	HPN	SilverSummit
<b>Primary Care Providers</b>				
<b>Primary Care (Adult Total)</b>	<b>20 miles/30 mins</b>	<b>96.9%</b>	<b>98.3%</b>	<b>99.9%</b>
FQHCs/RHCs	20 miles/30 mins	82.1%	99.8%	99.9%
Family Practice	20 miles/30 mins	99.9%	99.9%	99.9%
Internal Medicine	20 miles/30 mins	99.9%	99.9%	99.9%
General Practitioner	20 miles/30 mins	99.7%	90.2%	99.9%
NP	20 miles/30 mins	99.9%	99.9%	99.9%
PA	20 miles/30 mins	99.9%	99.9%	99.9%
<b>OB/GYN</b>	<b>20 miles/30 mins</b>	<b>99.8%</b>	<b>99.9%</b>	<b>99.8%</b>
<b>Pediatrician</b>	<b>20 miles/30 mins</b>	<b>99.9%</b>	<b>99.9%</b>	<b>99.9%</b>

NA indicates that the MCO did not report providers in the provider category.

All MCOs met the contract standards for summary PCP categories (i.e., *Primary Care [Adult Total]*, *OB/GYN*, and *Pediatrician*). At a more detailed level, only 82.1 percent of Anthem members had access to a *FQHC/RHC* within 20 miles or 30 minutes.

**Table 2-8—Percentages of Members Residing Within Access Standard Areas for Specialty Providers**

Provider Category	Time-Distance Standard	Anthem	HPN	SilverSummit
<b>Specialty Providers</b>				
Endocrinologists	75 miles/100 mins	99.9%	99.9%	99.9%
Endocrinologists, Pediatric	75 miles/100 mins	99.9%	99.9%	99.9%
Infectious Disease	75 miles/100 mins	99.9%	99.9%	99.9%
Infectious Disease, Pediatric	75 miles/100 mins	99.9%	99.9%	99.9%
Oncologist/Hematologist	75 miles/100 mins	99.9%	99.9%	99.9%
Oncologist/Hematologist, Pediatric	75 miles/100 mins	99.9%	99.9%	99.9%
Oncologist/Radiologist	75 miles/100 mins	99.9%	NA	99.9%
Rheumatologist	75 miles/100 mins	99.9%	99.9%	99.9%
Rheumatologist, Pediatric	75 miles/100 mins	88.9%	87.8%	88.1%

All MCOs met the contract standards for five of the six Specialty Provider categories for 99.9 percent of their associated member populations. None of the MCOs met the contract standard for *Rheumatologist, Pediatric*. However at least 87 percent of members had access to a pediatric rheumatologist across all three MCOs within the specified time or distance standard. HPN did not report providers for the *Oncologist/Radiologist* provider category.

**Table 2-9—Percentages of Members Residing Within Access Standard Areas for Facility Level Providers**

Provider Category	Time-Distance Standard	Anthem	HPN	SilverSummit
<b>Facility Level Providers</b>				
Hospital (Total)	60 miles/80 mins	95.0%	94.4%	95.7%
Inpatient Hospital	60 miles/80 mins	99.9%	99.9%	99.1%
Pediatric Hospital	60 miles/80 mins	88.9%	87.8%	88.1%
Psychiatry Inpatient Hospital	60 miles/80 mins	99.9%	99.9%	99.9%
Dialysis/ESRD Facility	60 miles/80 mins	99.9%	99.9%	99.9%

NA indicates that the MCO did not report providers in the provider category.

Anthem, HPN, and SilverSummit met the contract standards for the *Hospital (Total)* category, which included both *Inpatient Hospitals* and *Pediatric Hospitals*. However, none of the MCOs met the contract standards for time or distance for *Pediatric Hospitals*. The percentage of members residing within the

defined time and distance standards for all Facility Level provider categories across all MCOs is rather similar as displayed by the Hospital (Total) percentages.

**Table 2-10—Percentages of Members Residing Within Access Standard Areas for Behavioral Health Providers**

Provider Category	Time-Distance Standard	Anthem	HPN	SilverSummit
<b>Behavioral Health Providers</b>				
Psychologist	45 miles/60 mins	99.9%	99.9%	99.9%
Pediatric Psychologist	45 miles/60 mins	88.9%	99.9%	88.1%
Licensed Clinical Social Worker (LCSW)	45 miles/60 mins	99.9%	99.9%	99.9%
Psychiatrist	45 miles/60 mins	99.9%	99.9%	99.9%
Pediatric Psychiatrist	45 miles/60 mins	99.9%	99.9%	99.9%

NA indicates that the MCO did not report providers in the provider category.

Two MCOs, Anthem and SilverSummit, met the contract standards for four of the five behavioral health provider categories. Anthem and SilverSummit did not meet the contract standards associated with the *Pediatric Psychologist* provider category. HPN met the contract standards for all reported provider categories.

Additional detailed information on the travel time and travel distance to the nearest three providers by urbanicity for all provider categories included in the provider crosswalk is available in Appendix C.



### 3. NAV Findings—DBA/PAHP

HSAG calculated the ratio of providers to members for the DBA to assess the capacity of Nevada’s provider network and to assess compliance with the network adequacy standards stated in the DBA contract. This provider ratio analysis is coupled with a geographic network distribution analysis to identify areas of provider need and to compare the provider networks maintained by the DBA.

#### Network Capacity Analysis

Table 3-1 presents the member populations for the DBA. Provider ratios for adult dental providers are calculated using the adult member population only; similarly, provider ratios for pediatric dental providers are calculated using the child member population only.

**Table 3-1—Populations of Eligible Members**

Member Category	LIBERTY
<b>Member Demographics</b>	
Adults	322,684
Children	255,062
<b>Total Population</b>	<b>577,746</b>

Similar to when interpreting the MCO provider ratio results, it should be considered that not all members require routine care by all dental provider types; therefore, requiring fewer providers for a given population may be appropriate for certain dental specialty providers. Additionally, ratio results were not adjusted to account for the distribution of demographic and clinical member characteristics represented within the DBA. Lastly, the provider ratio standards were limited to the broad categories of dental primary care and dental specialists, not to specific specialties within those categories. For example, the DBA must maintain a network of at least one dental specialist for every 1,500 members but is not required to maintain that ratio for each identified specialty category (e.g., endodontist). For the purposes of this report, ratios for the individual specialty groups are shown for informational purposes, while only the standards shown in Table 1-2 were assessed for compliance.

Table 3-2 presents provider ratio analysis results including out-of-state providers within the catchment areas, since members may travel outside the State for medical services. Provider categories shown in red have fewer than one provider for every 1,500 members.

**Table 3-2—Summary of Ratio Analysis Results for Dental Providers**

Provider Category	LIBERTY	
	Providers	Ratio
<b>General Dental Providers</b>		
<b>Dental Primary Care Providers (1:1,500)</b>	<b>413</b>	<b>1:1,399</b>
General Dentists	343	1:941
Pediatric Dentists	70	1:3,644
<b>Specialty Dental Providers</b>		
<b>Dental Specialists Providers (1:1,500)</b>	<b>22</b>	<b>1:26,261</b>
Endodontists	3	1:107,561
Periodontists	2	1:161,342
Prosthodontists	1	1:322,684
Oral Surgeons	16	1:20,168
<b>Mid-Level Dental Providers</b>		
Dental Hygienists	NA	NA
Dental Therapists	NA	NA

NA indicates that the DBA did not report providers in the provider category.

LIBERTY met the provider ratio standard for *Dental Primary Care Providers*, which included *General Dentists* and *Pediatric Dentists*. The ratio for *Dental Specialists Providers* did not meet the contractual standard of one dental specialist for every 1,500 members. LIBERTY did not report *Dental Hygienists* and *Dental Therapists* in their provider network.

## Geographic Network Distribution Analysis

Geographic network distribution analyses assess whether members experience undue burden related to either excessive travel time or distance required to reach the nearest provider. The State of Nevada has established contract standards by provider category for the maximum allowable distance a member must travel to receive care (previously presented in Table 1-2).

### Adherence to Time-Distance Standards

Table 3-3 lists the percentages of members within the contract standards for dental providers in the DBA. Provider categories are shown in red when the results are below 90 percent.

**Table 3-3—Percentages of Members Residing Within Access Standard Areas for Dental Providers**

Provider Category	Time-Distance Standard	LIBERTY
<b>General Dental Providers</b>		
General Dentists	20 miles/30 mins	99.9%
Pediatric Dentists	20 miles/30 mins	99.9%
<b>Specialty Dental Providers</b>		
Endodontists	20 miles/30 mins	98.6%
Periodontists	20 miles/30 mins	86.9%
Prosthodontists	20 miles/30 mins	86.9%
Oral Surgeons	20 miles/30 mins	99.8%
<b>Mid-Level Dental Providers</b>		
Dental Hygienists	20 miles/30 mins	NA
Dental Therapists	20 miles/30 mins	NA

NA indicates that the DBA did not report providers in the provider category.

LIBERTY met the contract standards for both general dental providers and two of the five specialty dental providers. LIBERTY did not report *Dental Hygienists* and *Dental Therapists* in their provider network.

Additional detailed information on the travel time and travel distance to the nearest three providers by urbanicity for all provider categories included in the provider crosswalk is provided in Appendix C.

## Conclusions

The Nevada SFY 2020-2021 Network Adequacy Validation findings indicate that the MCOs and DBA have comprehensive provider networks. However, opportunities for improvement surrounding pediatric specialties and facilities still exist. Nevada's Medicaid MCOs and DBA have contracted with an array of providers to ensure that Medicaid members have access to a broad range of healthcare services within geographic time and distance standards.

Provider ratio analyses results indicate the MCOs are meeting required provider ratio standards for the primary care providers, primary care provider extenders, and physician specialist providers. SilverSummit exhibited the greatest number of providers per member across a vast majority of the primary and specialty provider categories. SilverSummit's smaller member population may be the driving factor for its greater number of providers per member. Anthem showed fewer providers per member across a greater number of provider categories compared to the other MCOs. Although HPN had a fewer providers per member compared to Anthem, they had more providers per member for PCPs and specialty providers. Many of the smallest numbers of providers per member are observed among the pediatric specialty providers; this is consistent with the time-distance analyses where the majority of provider categories that do not meet the time and distance standards serve the pediatric population.

Provider ratio analyses indicate that LIBERTY met the provider ratio standard for the overall dental primary care provider but did not meet the standard for pediatric dental providers and overall dental specialty providers. The findings from the ratio standard analyses are consistent with the time-distance analysis. Dental specialties, such as periodontists and prosthodontists, both have a small number of providers per member and a smaller percentage of members with access to providers within the defined access standards.

The contract standards require a minimum geographic accessibility for all members. Geographic network distribution analysis results indicate that each MCO generally maintained a geographically accessible network, with greater than 99.0 percent of members residing within time or distance standards for most provider categories. HPN and SilverSummit met all access standards for PCPs and HPN met all access standards for behavioral health provider categories. With the exception of PCPs, all pediatric provider categories not meeting the defined time or distance standards were related to pediatric care. Anthem did not meet time or distance standards for four provider categories: *FQHC/RHC*; *Rheumatologist, Pediatric*; *Pediatric Hospital*; and *Pediatric Psychologist*. HPN did not meet time or distance standards for two provider categories: *Rheumatologist, Pediatric* and *Pediatric Hospital*. SilverSummit did not meet the time or distance standard for three provider categories: *Rheumatologist, Pediatric*; *Pediatric Hospital*; and *Pediatric Psychologist*. LIBERTY did not meet time or distance standards for the *Periodontists* and *Prosthodontists* dental provider categories.

## Promising Practices and Opportunities for Improvements

Based on the results and conclusions presented in this report, HSAG recommends the following for DHCFP and the MCOs and DBA to strengthen the Medicaid managed care provider networks and ensure members' access to healthcare services:

- As the provider ratios and geographic distribution represent the potential capacity and distribution of contracted providers and may not directly reflect the availability of providers at any point in time, DHCFP should use appointment availability and utilization analyses to evaluate providers' availability. Future studies may incorporate encounter data or secret shopper telephone survey results to assess members' utilization of services, as well as potential gaps in access to care resulting from inadequate provider availability.
- In addition to assessing the number, distribution, and availability of providers, DHCFP should review patient satisfaction survey results and grievance and appeals data to evaluate the degree to which members are satisfied with the care they have received.
- DHCFP should conduct an in-depth review of provider categories in which each MCO or DBA did not meet either the provider ratio or time-distance contract standards, with the goal of determining whether or not the failure of the MCO or DBA to meet the contract standard(s) was the result of a lack of providers or an inability to contract with providers in the geographic area. Future analyses should evaluate the extent to which the MCOs or DBA have requested exemptions from DHCFP for provider categories in which providers may not be available or willing to contract with the MCO(s) or DBA.

## Appendix A. Medicaid Catchment Areas

Table A-1 identifies the Nevada Medicaid Catchment Areas.

**Table A-1—Nevada Medicaid Catchment Areas<sup>A-2</sup>**

Catchment Area	
State	Cities/Zip Codes
Arizona	<b>Bullhead City:</b> 86426, 86427, 86429, 86430, 86439, 86442, 86446 <b>Kingman:</b> 86401, 86402, 86411, 86412, 86413, 86437, 86445 <b>Littlefield:</b> 86432
California	<b>Bishop:</b> 93512, 93514, 93515 <b>Bridgeport:</b> 93517 <b>Davis:</b> 95616, 95617, 95618 <b>Loyalton:</b> 96118 <b>Markleeville:</b> 96120 <b>Needles:</b> 92363 <b>Sacramento:</b> 94203, 94204, 94205, 94206, 94207, 94208, 94209, 94211, 94229, 94230, 94232, 94234, 94235, 94236, 94237, 94239, 94240, 94244, 94245, 94246, 94247, 94248, 94249, 94250, 94252, 94254, 94256, 94257, 94258, 94259, 94261, 94262, 94263, 94267, 94268, 94269, 94271, 94273, 94274, 94277, 94278, 94279, 94280, 94282, 94283, 94284, 94285, 94286, 94287, 94288, 94289, 94290, 94291, 94293, 94294, 94295, 94296, 94297, 94298, 94299, 95811, 95812, 95813, 95814, 95815, 95816, 95817, 95818, 95819, 95820, 95821, 95822, 95823, 95824, 94825, 95826, 95827, 95828, 95829, 95830, 95831, 95832, 95833, 95834, 95835, 95836, 95837, 95838, 95840, 95841, 95842, 95843, 95851, 95852, 95853, 95860, 95864, 95865, 95866, 95867, 95887, 95894, 95899 <b>South Lake Tahoe:</b> 96150, 96151, 96152, 96154, 96155, 96156, 96157, 96158 <b>Susanville:</b> 96127, 96130 <b>Truckee:</b> 96160, 96161, 96162
Idaho	<b>Boise:</b> 83701, 83702, 83703, 83704, 83705, 83706, 83707, 83708, 83709, 83711, 83712, 83713, 83714, 83715, 83716, 83717, 83719, 83720, 83721, 83722, 83724, 83725, 83726, 83727, 83728, 83729, 83730, 83731, 83732, 83733, 83735, 83756, 83757, 83799 <b>Mountain Home:</b> 83647 <b>Twin Falls:</b> 83301, 83302, 83303
Utah	<b>Cedar City:</b> 84720, 84721 <b>Enterprise:</b> 84725 <b>Orem:</b> 84057, 84058, 84059, 84097 <b>Provo:</b> 84601, 84602, 84603, 84604, 84605, 84606 <b>Salt Lake City:</b> 84101, 84102, 84103, 84104, 84105, 84106, 84107, 84108, 84109, 84110, 84111, 84112, 84113, 84114, 84115, 84116, 84117, 84118, 84119, 84120, 84121, 84122, 84123, 84124, 84125, 84126, 84127, 84128, 84130, 84131, 84132, 84133, 84134, 84136, 84138, 84139, 84141, 84143, 84144, 84145, 84147, 84148, 84150, 84151, 84152, 84153, 84157, 84158, 84165, 84170, 84171, 84180, 84184, 84189, 84190, 84199 <b>St. George:</b> 84770, 84771, 84790, 84791 <b>Tooele:</b> 84074 <b>Wendover:</b> 84083 <b>West Jordan:</b> 84084

<sup>A-2</sup> Nevada Department of Health and Human Services. Provider Enrollment Information Booklet. Updated 22 Nov 2019. Available at: [www.medicaid.nv.gov/Downloads/provider/NV\\_Provider\\_Enrollment\\_Information\\_Booklet.pdf](http://www.medicaid.nv.gov/Downloads/provider/NV_Provider_Enrollment_Information_Booklet.pdf). Accessed on: May 5, 2020.

## Appendix B. Provider Crosswalk Categories

Appendix B includes the full list of provider types classified in the NAV Provider Crosswalk.

Provider Category
<b>Primary Care Providers</b>
Federally Qualified Health Center (FQHC)/Rural Health Clinic (RHC)
Family Practice
Internal Medicine
General Practitioner
Nurse Practitioner (NP)
Physician Assistant (PA)
OB/GYN
Pediatrician
<b>Specialty Providers</b>
Allergists & Immunologists
Allergists & Immunologists, Pediatric
Cardiologists
Cardiologists, Pediatric
Dermatologists
Dermatologists, Pediatric
Endocrinologists
Endocrinologists, Pediatric
Gastroenterologists
Gastroenterologists, Pediatric
General Surgery
Pediatric Surgery
Geriatrics
Infectious Disease
Infectious Disease, Pediatric
Maternal/Fetal Medicine
Nephrologists
Nephrologists, Pediatric
Neurologists

Provider Category
Neurologists, Pediatric
Oncologist/Hematologist
Oncologist/Hematologist, Pediatric
Oncologist/Radiologist
Orthopedic Surgeons
Orthopedic Surgeons, Pediatric
Otolaryngologists (ENTs)
Otolaryngologists (ENTs), Pediatric
Physical Medicine Specialists
Physical Medicine Specialists, Pediatric
Pulmonologists
Pulmonologists, Pediatric
Rheumatologist
Rheumatologist, Pediatric
Urologists
Urologists, Pediatric
Vision Care Provider
Vision Care Provider, Pediatric
<b>Behavioral Health Providers</b>
Outpatient Mental Health Facilities
Behavior Analyst/Technician
Counselor
Substance Abuse Counselor
Marriage and Family Therapist
Psychologist
Pediatric Psychologist
Social Worker
Psychiatrist
Pediatric Psychiatrist
Substance Abuse Facilities/Clinics
<b>Ancillary Providers</b>
Audiologists
Occupational Therapists



Provider Category
Podiatrists
Physical Therapists
Speech Therapists
<b>Facility Level Providers</b>
Inpatient Hospital
Pediatric Hospital
Psychiatry Inpatient Hospital
Ambulatory Surgical Centers/Outpatient Hospitals
Radiology (Facilities/Clinics)
Hospice
Home Health Facility
Skilled Nursing Facility
Dialysis/ESRD Facility
Pharmacy
<b>Dental Providers</b>
General Dentist
Pediatric Dentist
Endodontist
Periodontist
Prosthodontist
Oral Surgeon
Dental Hygienist
Dental Therapist

\* Note: The Oncologist/Radiologist provider category was not included in the provider crosswalk, and providers in this group were identified using taxonomy codes 2085R0001X-Radiation Oncology and 261QX0203X-Oncology, Radiation.

## Appendix C. Geographic Distribution Analysis

### Average Travel Distances and Travel Times

For each MCO and DBA, Appendix C presents the average travel time and travel distance from the member to the nearest three providers for rural and urban areas. For the purposes of this analysis, urbanicity is based on the residential address of the member and zip codes with less than 1,000 people per square mile are considered rural. All other zip codes are considered urban. HSAG calculated the duration of travel time and physical distance between the addresses of the members and their nearest one-to-three providers for all provider categories identified in the provider crosswalks. A shorter driving distance or travel time indicates greater accessibility to providers since members must travel fewer miles or minutes to access care. For all tables below, ‘NA’ indicates that the MCO/DBA did not report providers in the provider category.

**Table C-1—Average Travel Distances and Travel Times for Anthem—Primary Care Providers—Rural Areas**

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
<b>Primary Care Providers</b>						
Primary Care, Adults	2.2	2.7	2.7	3.5	2.8	3.7
General Practitioner	10.5	18.2	32.0	44.7	33.1	46.6
FQHCs/RHCs	34.5	53.0	NA	NA	NA	NA
Family Practice	3.3	4.5	3.9	5.4	4.6	6.2
Internal Medicine	2.8	3.7	3.5	4.7	4.0	5.6
NP	2.4	3.1	2.9	3.7	3.3	4.3
PA	3.6	4.7	3.9	5.3	4.0	5.4
OB/GYN	4.1	5.3	4.2	5.4	4.3	5.6
Pediatrician	3.5	4.7	4.0	5.3	4.3	5.9

**Table C-2—Average Travel Distances and Travel Times for Anthem—Specialty Providers—Rural Areas**

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
<b>Specialty Providers</b>						
Allergists & Immunologists	9.1	14.2	13.1	20.7	34.5	48.9



Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
Allergists & Immunologists, Pediatric	NA	NA	NA	NA	NA	NA
Cardiologists	4.6	5.9	5.4	7.3	7.5	10.5
Cardiologists, Pediatric	12.8	19.2	31.6	40.9	31.6	40.9
Dermatologists	4.9	6.9	6.2	8.8	6.2	9.1
Dermatologists, Pediatric	NA	NA	NA	NA	NA	NA
Endocrinologists	6.3	9.1	27.7	34.9	28.1	36.1
Endocrinologists, Pediatric	6.3	8.2	11.8	16.9	13.6	19.2
Gastroenterologists	4.7	6.4	5.3	7.7	5.4	7.8
Gastroenterologists, Pediatric	11.2	17.3	12.4	19.0	30.9	40.7
General Surgery	4.7	6.3	5.1	6.9	6.6	8.9
Pediatric Surgery	11.2	17.3	11.2	17.5	29.5	41.4
Geriatrics	9.4	15.9	11.7	20.2	13.8	23.5
Infectious Disease	7.7	10.4	11.9	18.1	13.1	19.8
Infectious Disease, Pediatric	14.3	24.4	32.6	50.6	32.6	50.6
Maternal/Fetal Medicine	5.0	6.7	6.4	8.4	6.4	8.4
Nephrologists	7.3	10.2	8.3	11.2	9.7	14.9
Nephrologists, Pediatric	9.1	12.1	29.9	41.2	29.9	44.9
Neurologists	5.8	7.5	6.2	8.0	6.4	8.4
Neurologists, Pediatric	6.2	8.1	8.5	13.2	12.6	20.4
Oncologist/Hematologist	5.1	7.1	5.5	7.7	5.6	7.9
Oncologist/Hematologist, Pediatric	6.6	8.6	7.5	10.4	9.6	13.0
Oncologist/Radiologist	6.1	8.5	8.0	10.9	10.7	17.0
Orthopedic Surgeons	5.1	7.1	5.8	8.4	7.0	10.4
Orthopedic Surgeons, Pediatric	32.0	48.6	NA	NA	NA	NA
Otolaryngologists (ENTs)	5.5	7.8	5.9	8.5	7.1	9.9
Otolaryngologists (ENTs), Pediatric	NA	NA	NA	NA	NA	NA
Physical Medicine Specialists	6.4	8.3	7.0	9.4	7.6	10.4
Physical Medicine Specialists, Pediatric	NA	NA	NA	NA	NA	NA
Pulmonologists	4.3	5.7	5.7	8.3	6.7	9.9

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
Pulmonologists, Pediatric	13.5	19.2	14.7	25.2	14.7	25.2
Rheumatologist	12.3	21.4	12.4	21.5	13.9	24.2
Rheumatologist, Pediatric	30.8	40.6	31.4	40.6	32.4	49.0
Urologists	7.0	9.8	7.6	10.7	8.4	11.9
Urologists, Pediatric	25.0	30.9	25.6	32.1	30.8	41.2
Vision Care Provider	3.6	4.8	3.9	5.2	4.3	6.1
Vision Care Provider, Pediatric	14.8	24.1	356.7	619.1	NA	NA

**Table C-3—Average Travel Distances and Travel Times for Anthem—Ancillary Providers—Rural Areas**

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
<b>Ancillary Providers</b>						
Audiologists	7.1	9.8	7.5	10.5	8.6	13.2
Occupational Therapists	5.6	9.0	7.2	11.4	7.5	11.8
Podiatrists	5.5	7.5	6.2	9.1	6.8	10.3
Physical Therapists	3.7	4.9	3.8	4.9	4.0	5.3
Speech Therapists	5.0	7.2	5.2	7.4	6.6	10.2

**Table C-4—Average Travel Distances and Travel Time for Anthem—Behavioral Health Providers—Rural Areas**

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
<b>Behavioral Health Providers</b>						
Outpatient Mental Health Facilities	5.7	7.7	7.4	11.4	8.6	13.8
Behavior Analyst/Technician	5.1	7.0	5.6	7.6	5.6	7.7
Counselor	3.9	5.5	4.5	6.2	5.0	7.0
Substance Abuse Counselor	6.0	9.4	7.2	11.6	8.2	13.7
Marriage and Family Therapist	4.1	5.8	4.9	6.6	5.4	7.5
Psychologist	4.9	7.0	5.3	7.7	6.5	9.8

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
Pediatric Psychologist	27.6	38.4	28.8	43.5	29.3	44.9
Social Worker	4.1	5.6	4.9	6.7	5.3	7.2
Psychiatrist	4.3	6.0	5.6	7.9	6.5	9.1
Pediatric Psychiatrist	6.8	10.0	8.7	14.9	10.5	17.7
Substance Abuse Facilities/Clinics	14.5	24.6	37.1	57.6	37.4	58.2

**Table C-5—Average Travel Distances and Travel Times for Anthem—Facility Level Providers—Rural Areas**

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
<b>Facility Providers</b>						
Hospitals, Adults	4.4	5.9	7.0	9.7	8.7	12.5
Inpatient Hospital	5.0	6.7	7.2	10.6	8.9	12.8
Psychiatry Inpatient Hospital	9.2	14.0	10.9	17.1	12.9	20.6
Pediatric Hospital	19.4	27.6	382.0	544.7	400.7	689.3
Ambulatory Surgical Centers/Outpatient Hospitals	5.4	7.7	5.9	8.3	6.5	9.2
Radiology (Facilities/Clinics)	9.6	15.8	14.4	23.4	37.7	57.8
Hospice	NA	NA	NA	NA	NA	NA
Home Health Facility	5.8	8.5	7.5	11.2	8.7	13.0
Skilled Nursing Facility	5.8	8.2	8.7	14.1	11.2	18.4
Dialysis/ESRD Facility	4.6	6.5	9.0	14.1	10.3	16.5
Pharmacy	7.4	10.8	10.3	15.3	34.1	47.8

**Table C-6—Average Travel Distances and Travel Times for Anthem—Primary Care Providers—Urban Areas**

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
<b>Primary Care Providers</b>						
Primary Care, Adults	1.1	1.8	1.2	2.0	1.4	2.3

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
General Practitioner	4.2	7.3	50.2	72.5	51.9	76.9
FQHCs/RHCs	54.5	94.3	NA	NA	NA	NA
Family Practice	1.6	2.8	2.1	3.5	2.3	3.9
Internal Medicine	1.8	2.9	2.2	3.6	2.4	4.1
NP	1.2	2.0	1.5	2.5	1.7	2.8
PA	1.6	2.6	1.9	3.2	2.1	3.5
OB/GYN	2.5	4.1	3.0	5.0	3.3	5.4
Pediatrician	2.2	3.7	2.7	4.5	3.1	5.2

**Table C-7—Average Travel Distances and Travel Times for Anthem—Specialty Providers—Urban Areas**

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
<b>Specialty Providers</b>						
Allergists & Immunologists	4.7	8.0	7.7	13.7	54.8	83.6
Allergists & Immunologists, Pediatric	NA	NA	NA	NA	NA	NA
Cardiologists	3.2	5.5	3.5	6.0	4.5	7.3
Cardiologists, Pediatric	7.5	11.5	46.7	65.6	46.7	65.6
Dermatologists	3.8	6.6	5.4	9.3	5.9	10.5
Dermatologists, Pediatric	NA	NA	NA	NA	NA	NA
Endocrinologists	4.6	8.2	51.0	74.9	52.6	77.6
Endocrinologists, Pediatric	9.1	13.8	11.7	17.8	14.9	22.7
Gastroenterologists	3.7	6.1	4.0	6.8	4.4	7.4
Gastroenterologists, Pediatric	6.0	9.6	6.4	10.3	44.6	65.1
General Surgery	3.3	5.4	4.3	6.8	4.9	7.7
Pediatric Surgery	6.4	10.1	6.9	10.8	45.4	67.4
Geriatrics	5.3	9.5	6.7	12.1	7.9	14.2
Infectious Disease	5.3	8.7	6.2	9.7	6.4	9.9
Infectious Disease, Pediatric	7.5	13.5	46.3	79.2	46.4	79.5



Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
Maternal/Fetal Medicine	4.5	7.1	5.0	7.9	5.0	8.0
Nephrologists	3.4	5.7	4.0	6.5	4.9	8.1
Nephrologists, Pediatric	9.0	15.5	48.1	71.6	49.9	83.6
Neurologists	4.1	6.6	4.4	7.0	4.5	7.2
Neurologists, Pediatric	5.4	9.5	7.0	12.4	8.3	14.6
Oncologist/Hematologist	4.5	7.9	4.8	8.4	4.9	8.6
Oncologist/Hematologist, Pediatric	6.9	10.3	7.2	10.9	7.5	11.2
Oncologist/Radiologist	4.4	7.2	5.6	9.2	6.1	10.3
Orthopedic Surgeons	4.0	6.7	4.2	7.1	4.4	7.7
Orthopedic Surgeons, Pediatric	47.9	82.5	NA	NA	NA	NA
Otolaryngologists (ENTs)	3.8	6.2	4.5	7.1	4.9	7.8
Otolaryngologists (ENTs), Pediatric	NA	NA	NA	NA	NA	NA
Physical Medicine Specialists	4.3	7.2	5.2	8.5	5.7	9.4
Physical Medicine Specialists, Pediatric	NA	NA	NA	NA	NA	NA
Pulmonologists	3.5	5.9	4.6	7.7	5.0	8.7
Pulmonologists, Pediatric	6.8	10.9	7.6	13.7	8.5	14.3
Rheumatologist	5.8	10.4	6.8	12.3	8.7	15.6
Rheumatologist, Pediatric	45.4	64.9	46.7	65.7	47.8	80.4
Urologists	4.7	8.1	5.4	9.5	6.5	11.5
Urologists, Pediatric	45.4	65.2	49.7	70.6	51.6	75.2
Vision Care Provider	2.0	3.4	2.7	4.6	3.2	5.5
Vision Care Provider, Pediatric	12.3	22.9	352.9	664.0	NA	NA

**Table C-8—Average Travel Distances and Travel Times for Anthem—Ancillary Providers—Urban Areas**

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
<b>Ancillary Providers</b>						
Audiologists	4.3	7.0	5.3	9.0	6.0	10.5
Occupational Therapists	3.1	5.3	3.8	6.7	4.0	7.0

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
Podiatrists	3.4	6.0	4.2	7.4	5.2	9.3
Physical Therapists	2.0	3.3	2.2	3.8	2.4	4.1
Speech Therapists	2.8	4.8	3.6	6.2	3.9	6.7

**Table C-9—Average Travel Distances and Travel Times for Anthem—Behavioral Health Providers—Urban Areas**

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
<b>Behavioral Health Providers</b>						
Outpatient Mental Health Facilities	3.6	6.2	5.3	9.3	6.5	11.4
Behavior Analyst/Technician	2.2	3.7	2.5	4.1	2.7	4.5
Counselor	1.9	3.2	2.2	3.7	2.4	3.9
Substance Abuse Counselor	2.6	4.5	3.0	5.1	3.2	5.6
Marriage and Family Therapist	1.9	3.3	2.2	3.8	2.3	4.0
Psychologist	2.7	4.6	3.2	5.4	3.6	6.1
Pediatric Psychologist	44.9	66.5	49.5	84.1	50.1	86.3
Social Worker	1.7	2.9	2.1	3.5	2.3	3.8
Psychiatrist	2.1	3.6	2.6	4.5	2.9	5.0
Pediatric Psychiatrist	3.9	6.8	5.1	9.2	5.9	10.7
Substance Abuse Facilities/Clinics	7.2	13.0	53.9	93.2	54.9	95.0

**Table C-10—Average Travel Distances and Travel Times for Anthem—Facility Level Providers—Urban Areas**

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
<b>Facility Level Providers</b>						
Hospitals, Adults	3.8	5.9	5.0	8.0	5.7	9.5
Inpatient Hospital	4.3	6.7	5.4	9.0	6.6	11.0
Psychiatry Inpatient Hospital	5.5	8.8	7.8	13.6	9.2	16.3



Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
Pediatric Hospital	20.3	33.0	372.9	567.2	402.8	741.9
Ambulatory Surgical Centers/Outpatient Hospitals	3.4	6.0	4.4	7.7	4.9	8.5
Radiology (Facilities/Clinics)	6.4	11.2	11.5	20.4	59.8	104.7
Hospice	NA	NA	NA	NA	NA	NA
Home Health Facility	3.5	6.2	4.8	8.3	5.8	9.8
Skilled Nursing Facility	3.2	5.5	4.7	8.1	6.2	10.6
Dialysis/ESRD Facility	3.4	5.8	4.5	7.8	6.0	10.2
Pharmacy	5.7	10.0	7.8	13.2	55.3	81.7

**Table C-11—Average Travel Distances and Travel Times for HPN—Primary Care Providers—Rural Areas**

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
<b>Primary Care Providers</b>						
Primary Care, Adults	2.0	2.6	2.2	2.9	2.3	2.9
General Practitioner	5.1	6.6	18.4	22.0	24.5	31.5
FQHCs/RHCs	10.6	17.7	12.2	20.5	12.7	21.4
Family Practice	2.5	3.3	2.6	3.5	2.8	3.8
Internal Medicine	2.4	3.1	2.8	3.6	2.8	3.7
NP	2.2	2.9	2.3	3.0	2.5	3.2
PA	2.5	3.2	2.8	3.6	3.1	4.1
OB/GYN	3.7	4.8	3.9	5.1	4.0	5.3
Pediatrician	2.9	3.8	3.3	4.3	3.5	4.6

**Table C-12—Average Travel Distances and Travel Times for HPN—Specialty Providers—Rural Areas**

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
<b>Specialty Providers</b>						
Allergists & Immunologists	6.1	8.5	6.1	8.5	6.2	8.5
Allergists & Immunologists, Pediatric	31.3	47.7	31.3	47.7	38.9	60.2
Cardiologists	3.7	4.8	3.8	5.0	4.2	5.5
Cardiologists, Pediatric	9.7	14.5	9.7	14.5	9.7	14.5
Dermatologists	4.7	6.2	4.7	6.2	4.8	6.3
Dermatologists, Pediatric	NA	NA	NA	NA	NA	NA
Endocrinologists	6.1	8.6	6.6	9.2	7.0	10.4
Endocrinologists, Pediatric	7.1	9.1	13.4	18.6	20.7	28.1
Gastroenterologists	3.7	5.0	4.3	5.7	4.4	6.0
Gastroenterologists, Pediatric	29.3	39.4	29.7	39.8	30.8	41.3
General Surgery	3.8	5.3	4.3	5.9	4.5	6.2
Pediatric Surgery	11.7	17.6	29.7	39.8	29.7	39.8
Geriatrics	9.6	16.7	14.7	25.3	324.5	410.5
Infectious Disease	4.7	6.2	4.8	6.3	5.6	7.3
Infectious Disease, Pediatric	11.4	18.2	13.5	22.3	13.9	23.5
Maternal/Fetal Medicine	3.9	5.0	4.1	5.3	4.1	5.3
Nephrologists	4.4	6.3	5.3	7.3	5.4	7.3
Nephrologists, Pediatric	9.4	12.7	11.7	18.5	12.3	19.6
Neurologists	4.3	6.0	5.4	7.3	5.7	7.6
Neurologists, Pediatric	9.6	15.6	10.0	15.7	10.4	17.3
Oncologist/Hematologist	4.2	5.5	4.9	6.6	4.9	6.7
Oncologist/Hematologist, Pediatric	12.7	16.6	12.8	16.7	12.8	16.7
Oncologist/Radiologist	NA	NA	NA	NA	NA	NA
Orthopedic Surgeons	3.9	5.4	4.2	5.8	5.1	7.0
Orthopedic Surgeons, Pediatric	27.0	40.8	27.9	42.2	28.1	42.5
Otolaryngologists (ENTs)	3.9	5.4	4.9	6.9	5.1	7.2
Otolaryngologists (ENTs), Pediatric	NA	NA	NA	NA	NA	NA

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
Physical Medicine Specialists	5.0	6.4	5.0	6.5	5.1	6.7
Physical Medicine Specialists, Pediatric	NA	NA	NA	NA	NA	NA
Pulmonologists	4.1	5.7	4.3	6.0	5.9	8.2
Pulmonologists, Pediatric	12.4	18.8	13.8	19.3	13.8	21.1
Rheumatologist	8.9	14.3	10.2	17.5	10.3	17.5
Rheumatologist, Pediatric	29.2	37.7	34.4	50.6	NA	NA
Urologists	5.8	8.1	6.5	9.1	6.9	10.1
Urologists, Pediatric	7.7	10.0	10.1	14.9	27.9	37.0
Vision Care Provider	3.1	4.0	3.4	4.4	3.7	5.2
Vision Care Provider, Pediatric	5.7	7.8	23.6	28.4	24.0	29.0

**Table C-13—Average Travel Distances and Travel Times for HPN—Ancillary Providers—Rural Areas**

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
<b>Ancillary Providers</b>						
Audiologists	5.5	7.9	6.0	8.8	7.0	9.9
Occupational Therapists	2.9	4.0	3.3	4.6	3.3	4.7
Podiatrists	4.2	5.8	5.4	7.5	5.8	7.9
Physical Therapists	2.7	3.6	3.1	4.4	3.1	4.6
Speech Therapists	3.3	4.5	3.4	4.6	3.6	5.0

**Table C-14—Average Travel Distances and Travel Times for HPN—Behavioral Health Providers—Rural Areas**

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
<b>Behavioral Health Providers</b>						
Outpatient Mental Health Facilities	3.3	4.7	4.4	6.1	5.0	7.4
Behavior Analyst/Technician	4.7	6.5	4.7	6.5	4.7	6.6
Counselor	3.8	5.7	4.3	6.1	5.7	8.6

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
Substance Abuse Counselor	3.7	5.3	4.4	6.4	5.0	7.2
Marriage and Family Therapist	3.4	4.9	3.8	5.6	4.4	6.5
Psychologist	4.7	6.7	5.1	7.3	5.4	7.9
Pediatric Psychologist	4.6	6.8	6.6	10.7	8.0	13.2
Social Worker	3.7	5.3	4.5	6.8	5.4	8.3
Psychiatrist	3.6	5.2	4.1	6.0	4.3	6.2
Pediatric Psychiatrist	5.5	8.3	6.2	9.4	7.7	11.1
Substance Abuse Facilities/Clinics	7.1	11.5	11.8	20.2	12.8	21.6

**Table C-15—Average Travel Distances and Travel Times for HPN— Facility Level Providers— Rural Areas**

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
<b>Facility Providers</b>						
Hospitals, Adults	3.2	4.3	4.6	6.2	5.9	8.2
Inpatient Hospital	3.2	4.3	4.7	6.3	5.9	8.3
Psychiatry Inpatient Hospital	9.1	13.7	11.8	18.3	13.4	21.7
Pediatric Hospital	32.3	41.5	NA	NA	NA	NA
Ambulatory Surgical Centers/Outpatient Hospitals	3.7	4.9	4.9	6.9	5.7	7.9
Radiology (Facilities/Clinics)	2.8	3.7	3.9	5.1	4.2	5.5
Hospice	8.3	14.0	10.2	17.1	11.5	19.4
Home Health Facility	4.3	5.6	6.4	8.9	7.4	10.7
Skilled Nursing Facility	4.5	6.0	6.2	8.6	7.5	10.7
Dialysis/ESRD Facility	6.4	9.0	7.6	10.1	9.6	15.1
Pharmacy	1.6	2.1	2.1	2.8	2.8	3.7

**Table C-16—Average Travel Distances and Travel Times for HPN—Primary Care Providers—Urban Areas**

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
<b>Primary Care Providers</b>						
Primary Care, Adults	1.0	1.6	1.1	1.9	1.2	2.1
General Practitioner	5.3	7.6	31.7	41.4	37.4	49.1
FQHCs/RHCs	4.1	7.3	5.9	10.4	6.9	12.4
Family Practice	1.4	2.4	1.7	2.9	1.9	3.2
Internal Medicine	1.4	2.3	1.6	2.7	1.9	3.2
NP	1.1	1.9	1.3	2.2	1.5	2.5
PA	1.6	2.7	1.7	3.0	1.9	3.2
OB/GYN	2.5	4.3	3.0	5.0	3.1	5.2
Pediatrician	1.6	2.7	2.1	3.5	2.3	3.8

**Table C-17—Average Travel Distances and Travel Times for HPN—Specialty Providers—Urban Area**

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
<b>Specialty Providers</b>						
Allergists & Immunologists	3.8	6.4	3.9	6.6	4.6	7.9
Allergists & Immunologists, Pediatric	48.0	82.2	48.0	82.2	56.4	97.9
Cardiologists	2.7	4.6	3.0	5.0	3.1	5.2
Cardiologists, Pediatric	6.2	9.6	6.2	9.6	6.2	9.6
Dermatologists	3.9	6.6	4.0	6.8	4.0	6.8
Dermatologists, Pediatric	NA	NA	NA	NA	NA	NA
Endocrinologists	4.4	7.9	5.2	9.2	5.5	9.9
Endocrinologists, Pediatric	8.7	13.2	11.2	17.1	16.0	24.2
Gastroenterologists	3.3	5.7	3.5	6.0	3.8	6.4
Gastroenterologists, Pediatric	46.7	67.7	47.6	69.3	48.2	70.2
General Surgery	3.0	5.2	3.7	6.3	3.9	6.6
Pediatric Surgery	6.6	10.4	48.1	69.9	48.1	69.9
Geriatrics	10.7	20.0	14.1	26.5	303.1	411.4

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
Infectious Disease	4.0	6.6	4.5	7.1	5.1	8.0
Infectious Disease, Pediatric	5.2	9.0	6.4	10.9	6.9	12.0
Maternal/Fetal Medicine	3.4	5.6	4.2	6.5	4.2	6.5
Nephrologists	3.0	5.0	3.6	6.0	3.7	6.3
Nephrologists, Pediatric	5.8	9.8	7.8	13.8	9.8	17.5
Neurologists	3.2	5.4	4.0	6.5	4.2	6.8
Neurologists, Pediatric	4.8	8.3	5.6	9.8	6.6	11.8
Oncologist/Hematologist	4.0	6.7	4.4	7.5	4.5	7.9
Oncologist/Hematologist, Pediatric	13.0	19.7	13.0	19.7	13.0	19.7
Oncologist/Radiologist	NA	NA	NA	NA	NA	NA
Orthopedic Surgeons	3.0	5.2	3.2	5.6	3.9	6.6
Orthopedic Surgeons, Pediatric	48.2	82.6	48.7	83.5	49.5	85.1
Otolaryngologists (ENTs)	2.9	4.9	3.4	5.8	3.7	6.3
Otolaryngologists (ENTs), Pediatric	NA	NA	NA	NA	NA	NA
Physical Medicine Specialists	2.8	4.9	3.0	5.1	3.0	5.2
Physical Medicine Specialists, Pediatric	NA	NA	NA	NA	NA	NA
Pulmonologists	3.4	5.8	3.8	6.7	4.1	7.2
Pulmonologists, Pediatric	5.2	8.6	6.6	10.5	7.5	12.4
Rheumatologist	4.6	8.1	6.1	10.9	6.2	11.2
Rheumatologist, Pediatric	49.6	71.9	55.7	92.5	NA	NA
Urologists	4.8	8.2	5.7	10.0	5.8	10.1
Urologists, Pediatric	5.4	8.5	6.4	9.9	47.9	69.7
Vision Care Provider	2.5	4.3	2.8	4.8	3.0	5.1
Vision Care Provider, Pediatric	4.5	6.8	45.8	61.4	46.3	62.3

**Table C-18—Average Travel Distances and Travel Times for HPN—Ancillary Providers—Urban Areas**

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
<b>Ancillary Providers</b>						

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
Audiologists	3.8	6.0	4.7	8.2	4.9	8.7
Occupational Therapists	2.0	3.5	2.4	4.1	2.7	4.7
Podiatrists	3.1	5.4	4.1	6.9	4.5	7.6
Physical Therapists	1.8	3.2	2.0	3.5	2.3	3.9
Speech Therapists	2.4	4.2	2.7	4.7	2.8	4.9

**Table C-19—Average Travel Distances and Travel Times for HPN—Behavioral Health Providers—Urban Areas**

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
<b>Behavioral Health Providers</b>						
Outpatient Mental Health Facilities	1.7	2.8	2.3	4.0	2.9	5.0
Behavior Analyst/Technician	3.1	5.4	3.3	5.6	3.4	5.8
Counselor	2.3	4.0	2.8	4.9	3.2	5.6
Substance Abuse Counselor	2.0	3.5	2.4	4.2	2.8	4.8
Marriage and Family Therapist	1.9	3.3	2.1	3.6	2.4	4.1
Psychologist	2.5	4.2	3.4	5.8	4.1	7.1
Pediatric Psychologist	3.0	5.4	4.3	7.7	5.7	10.3
Social Worker	1.6	2.9	2.2	3.7	2.5	4.4
Psychiatrist	2.0	3.4	2.4	4.2	2.6	4.5
Pediatric Psychiatrist	2.7	4.7	3.2	5.6	3.7	6.4
Substance Abuse Facilities/Clinics	3.6	6.5	5.6	10.1	6.4	11.6

**Table C-20—Average Travel Distances and Travel Times for HPN—Facility Level Providers—Urban Areas**

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
<b>Facility Level Providers</b>						
Hospitals, Adults	2.7	4.5	4.1	6.8	4.9	7.9
Inpatient Hospital	2.9	4.7	4.4	7.1	5.2	8.4

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
Psychiatry Inpatient Hospital	5.7	9.0	8.1	14.1	9.7	17.3
Pediatric Hospital	50.7	71.3	NA	NA	NA	NA
Ambulatory Surgical Centers/Outpatient Hospitals	2.6	4.5	3.7	6.4	4.4	7.4
Radiology (Facilities/Clinics)	1.8	2.9	2.4	4.0	2.7	4.6
Hospice	5.3	9.5	5.8	10.5	6.6	11.9
Home Health Facility	3.3	5.9	4.7	8.4	5.5	9.6
Skilled Nursing Facility	2.9	5.1	3.8	6.6	4.5	7.8
Dialysis/ESRD Facility	3.8	6.7	6.0	10.3	7.4	12.9
Pharmacy	0.9	1.4	1.2	1.9	1.5	2.4

**Table C-21—Average Travel Distances and Travel Times for SilverSummit—Primary Care Providers—Rural Areas**

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
<b>Primary Care Providers</b>						
Primary Care, Adults	1.9	2.4	2.0	2.6	2.2	2.8
General Practitioner	4.6	6.4	6.6	9.2	8.0	11.3
FQHCs/RHCs	9.0	15.1	10.5	17.5	11.2	18.7
Family Practice	2.5	3.3	2.8	3.6	2.9	3.9
Internal Medicine	2.4	3.0	2.7	3.5	3.0	3.9
NP	2.0	2.6	2.3	2.9	2.4	3.1
PA	2.3	2.9	2.7	3.4	2.8	3.6
OB/GYN	3.4	4.5	4.0	5.3	4.1	5.5
Pediatrician	3.4	4.4	3.5	4.6	3.7	4.7



**Table C-22—Average Travel Distances and Travel Times for SilverSummit—Specialty Providers—Rural Areas**

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
<b>Specialty Providers</b>						
Allergists & Immunologists	6.2	9.4	8.4	13.3	9.7	15.6
Allergists & Immunologists, Pediatric	27.3	37.3	30.2	44.4	32.8	50.5
Cardiologists	4.2	5.4	4.9	6.5	4.9	6.6
Cardiologists, Pediatric	11.7	17.8	11.8	17.8	14.0	19.6
Dermatologists	4.4	6.0	5.3	7.1	6.2	8.5
Dermatologists, Pediatric	NA	NA	NA	NA	NA	NA
Endocrinologists	6.5	8.8	7.5	10.0	8.2	11.0
Endocrinologists, Pediatric	8.1	10.6	9.9	13.0	15.1	24.1
Gastroenterologists	5.1	6.6	5.2	6.7	5.3	6.8
Gastroenterologists, Pediatric	11.7	17.6	11.7	17.8	28.0	37.9
General Surgery	4.5	6.0	5.3	7.1	5.7	7.7
Pediatric Surgery	11.7	17.7	11.7	17.7	11.7	17.7
Geriatrics	4.5	6.3	7.7	10.6	8.6	11.9
Infectious Disease	6.8	9.0	7.6	9.9	9.1	12.0
Infectious Disease, Pediatric	14.7	24.7	15.1	25.5	15.1	25.5
Maternal/Fetal Medicine	4.3	5.8	4.3	5.8	4.4	5.8
Nephrologists	5.5	7.7	5.7	7.9	7.5	10.4
Nephrologists, Pediatric	9.5	12.6	12.6	20.2	12.6	20.2
Neurologists	4.1	5.3	5.3	7.3	5.6	7.6
Neurologists, Pediatric	7.9	12.3	9.8	15.0	11.4	17.7
Oncologist/Hematologist	4.4	5.9	5.0	6.9	5.9	8.2
Oncologist/Hematologist, Pediatric	6.4	8.2	7.7	10.1	9.4	13.0
Oncologist/Radiologist	6.4	9.0	7.7	10.6	8.0	11.2
Orthopedic Surgeons	5.3	7.3	7.5	10.4	8.1	12.6
Orthopedic Surgeons, Pediatric	10.0	16.7	26.5	40.3	31.3	47.6
Otolaryngologists (ENTs)	6.0	8.1	25.1	32.2	26.4	33.8
Otolaryngologists (ENTs), Pediatric	26.0	32.8	33.7	51.2	NA	NA

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
Physical Medicine Specialists	5.4	7.0	7.0	9.6	8.4	11.6
Physical Medicine Specialists, Pediatric	NA	NA	NA	NA	NA	NA
Pulmonologists	6.5	9.0	6.5	9.0	7.0	9.3
Pulmonologists, Pediatric	13.2	19.6	14.8	23.2	15.8	26.3
Rheumatologist	12.4	21.3	12.5	21.5	12.6	21.6
Rheumatologist, Pediatric	31.0	47.7	NA	NA	NA	NA
Urologists	7.2	9.9	7.6	10.5	7.7	10.5
Urologists, Pediatric	7.5	9.8	7.6	9.8	7.6	9.8
Vision Care Provider	4.1	5.3	4.7	6.3	5.3	7.1
Vision Care Provider, Pediatric	25.2	34.5	27.3	37.5	29.9	43.8

**Table C-23—Average Travel Distances and Travel Times for SilverSummit—Ancillary Providers—Rural Areas**

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
<b>Ancillary Providers</b>						
Audiologists	7.7	10.7	7.8	10.8	8.1	11.2
Occupational Therapists	3.3	4.7	3.9	5.2	4.5	5.9
Podiatrists	24.9	31.4	25.3	32.3	25.4	32.8
Physical Therapists	3.0	4.0	3.2	4.2	3.3	4.3
Speech Therapists	4.5	5.9	4.5	6.0	4.5	6.0

**Table C-24—Average Travel Distances and Travel Times for SilverSummit—Behavioral Health Providers—Rural Areas**

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
<b>Behavioral Health Providers</b>						
Outpatient Mental Health Facilities	3.3	4.8	3.8	5.5	4.6	6.4
Behavior Analyst/Technician	4.8	6.6	7.3	11.0	7.3	11.0

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
Counselor	3.6	5.2	4.7	6.4	4.8	6.5
Substance Abuse Counselor	6.2	9.7	7.9	12.6	8.7	13.8
Marriage and Family Therapist	4.0	5.5	4.2	5.7	4.6	6.2
Psychologist	5.4	7.4	5.7	7.9	5.9	8.2
Pediatric Psychologist	22.0	31.9	25.9	38.8	27.3	41.3
Social Worker	3.3	4.5	3.8	5.1	3.9	5.2
Psychiatrist	3.8	5.1	4.5	6.0	6.2	8.8
Pediatric Psychiatrist	6.6	9.9	8.0	11.1	9.7	15.4
Substance Abuse Facilities/Clinics	6.7	10.2	8.0	12.1	8.9	14.5

**Table C-25—Average Travel Distances and Travel Times for SilverSummit— Facility Level Providers— Rural Areas**

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
<b>Facility Providers</b>						
Hospitals, Adults	3.4	4.5	4.5	6.2	6.4	9.0
Inpatient Hospital	3.4	4.5	4.5	6.2	6.4	9.0
Psychiatry Inpatient Hospital	9.6	14.4	10.1	15.3	12.2	18.8
Pediatric Hospital	30.8	39.7	NA	NA	NA	NA
Ambulatory Surgical Centers/Outpatient Hospitals	5.8	8.1	6.3	9.0	6.9	9.9
Radiology (Facilities/Clinics)	4.5	6.0	5.4	7.4	6.0	8.3
Hospice	8.6	12.1	26.2	32.0	30.9	46.0
Home Health Facility	5.6	7.7	7.3	10.4	9.4	15.2
Skilled Nursing Facility	4.6	6.6	7.1	9.7	8.8	12.3
Dialysis/ESRD Facility	4.4	6.3	8.2	12.9	10.3	16.4
Pharmacy	13.4	23.3	356.6	613.2	NA	NA

**Table C-26—Average Travel Distances and Travel Times for SilverSummit—Primary Care Providers—Urban Areas**

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
<b>Primary Care Providers</b>						
Primary Care, Adults	1.0	1.6	1.1	1.8	1.2	1.9
General Practitioner	3.1	5.2	4.2	7.3	5.1	8.8
FQHCs/RHCs	3.6	6.3	4.3	7.5	4.8	8.3
Family Practice	1.3	2.2	1.6	2.7	1.8	3.0
Internal Medicine	1.4	2.4	1.8	2.9	1.9	3.2
NP	1.1	1.9	1.3	2.1	1.5	2.4
PA	1.4	2.2	1.6	2.7	1.7	2.8
OB/GYN	2.2	3.7	2.7	4.5	3.0	4.9
Pediatrician	1.8	3.0	2.2	3.6	2.3	3.9

**Table C-27—Average Travel Distances and Travel Times for SilverSummit—Specialty Providers—Urban Areas**

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
<b>Specialty Providers</b>						
Allergists & Immunologists	3.5	6.1	4.7	8.3	5.9	10.3
Allergists & Immunologists, Pediatric	47.9	70.6	55.0	89.8	56.9	96.7
Cardiologists	2.9	4.9	3.2	5.2	3.2	5.4
Cardiologists, Pediatric	6.8	10.5	6.9	10.5	7.9	11.6
Dermatologists	3.7	6.2	4.1	6.9	4.4	7.6
Dermatologists, Pediatric	NA	NA	NA	NA	NA	NA
Endocrinologists	3.7	6.4	5.2	9.1	6.2	10.8
Endocrinologists, Pediatric	6.4	10.7	10.7	16.6	13.2	20.7
Gastroenterologists	3.2	5.2	3.7	6.0	3.7	6.1
Gastroenterologists, Pediatric	6.1	9.6	6.4	10.2	47.3	68.2
General Surgery	3.0	5.0	3.9	6.2	4.2	6.6
Pediatric Surgery	6.9	10.6	6.9	10.6	6.9	10.6



Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
Geriatrics	4.3	7.3	5.2	9.0	5.9	9.9
Infectious Disease	4.1	6.7	5.2	8.4	5.7	9.2
Infectious Disease, Pediatric	7.7	13.8	7.8	14.0	8.0	14.3
Maternal/Fetal Medicine	4.0	6.2	4.1	6.3	4.2	6.4
Nephrologists	3.3	5.3	3.4	5.7	3.7	6.2
Nephrologists, Pediatric	8.8	14.9	9.6	17.5	11.3	18.3
Neurologists	3.0	5.0	3.8	6.2	4.2	6.6
Neurologists, Pediatric	5.7	10.2	8.5	14.7	9.7	16.3
Oncologist/Hematologist	3.9	6.4	4.2	6.9	4.3	7.2
Oncologist/Hematologist, Pediatric	5.1	8.1	6.9	10.3	7.1	10.5
Oncologist/Radiologist	4.4	7.0	4.7	7.4	4.9	7.9
Orthopedic Surgeons	4.1	6.7	4.5	7.2	5.0	8.7
Orthopedic Surgeons, Pediatric	7.1	12.9	48.5	82.9	51.2	87.8
Otolaryngologists (ENTs)	3.7	6.1	43.1	62.9	43.8	63.6
Otolaryngologists (ENTs), Pediatric	48.7	70.6	54.4	90.4	NA	NA
Physical Medicine Specialists	2.9	4.8	4.2	6.7	4.8	7.6
Physical Medicine Specialists, Pediatric	NA	NA	NA	NA	NA	NA
Pulmonologists	3.9	6.5	3.9	6.6	5.0	8.3
Pulmonologists, Pediatric	6.4	10.2	8.0	13.7	9.7	16.9
Rheumatologist	5.8	10.4	6.2	11.0	7.0	12.5
Rheumatologist, Pediatric	49.4	84.1	NA	NA	NA	NA
Urologists	3.8	6.3	4.1	6.7	4.1	6.8
Urologists, Pediatric	5.1	8.2	5.1	8.2	5.1	8.2
Vision Care Provider	2.6	4.3	3.2	5.4	3.8	6.1
Vision Care Provider, Pediatric	46.1	68.3	47.6	71.1	51.9	86.2

**Table C-28—Average Travel Distances and Travel Times for SilverSummit—Ancillary Providers—Urban Areas**

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
<b>Ancillary Providers</b>						
Audiologists	4.0	6.4	4.7	7.9	5.5	9.5
Occupational Therapists	2.1	3.4	2.4	3.9	2.5	4.2
Podiatrists	42.9	62.5	44.0	64.2	44.4	66.3
Physical Therapists	1.6	2.8	1.8	3.0	2.0	3.2
Speech Therapists	2.4	4.0	2.5	4.2	2.6	4.4

**Table C-29—Average Travel Distances and Travel Times for SilverSummit—Behavioral Health Providers—Urban Areas**

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
<b>Behavioral Health Providers</b>						
Outpatient Mental Health Facilities	1.8	3.0	2.2	3.7	2.5	4.3
Behavior Analyst/Technician	2.2	3.8	2.6	4.3	2.8	4.6
Counselor	1.9	3.1	2.1	3.6	2.2	3.8
Substance Abuse Counselor	2.8	4.9	3.5	6.2	3.8	6.7
Marriage and Family Therapist	2.0	3.4	2.1	3.7	2.4	4.1
Psychologist	2.5	4.2	3.0	5.3	3.6	6.2
Pediatric Psychologist	45.5	76.9	47.0	79.6	48.1	81.8
Social Worker	1.5	2.6	1.8	3.0	2.0	3.3
Psychiatrist	2.2	3.7	2.5	4.2	2.9	4.9
Pediatric Psychiatrist	3.2	5.4	4.1	7.0	5.0	8.7
Substance Abuse Facilities/Clinics	3.2	5.5	4.1	7.1	4.7	8.3

**Table C-30—Average Travel Distances and Travel Times for SilverSummit—Facility Level Providers—Urban Areas**

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
<b>Facility Level Providers</b>						
Hospitals, Adults	2.7	4.4	4.1	6.6	4.8	7.7
Inpatient Hospital	2.4	4.0	3.5	5.7	4.3	7.2
Psychiatry Inpatient Hospital	5.6	8.9	7.4	13.0	9.6	16.2
Pediatric Hospital	49.6	69.4	NA	NA	NA	NA
Ambulatory Surgical Centers/Outpatient Hospitals	3.2	5.3	4.5	7.7	5.0	8.7
Radiology (Facilities/Clinics)	2.5	4.3	3.2	5.3	4.0	6.6
Hospice	8.4	13.6	43.9	59.6	48.9	85.1
Home Health Facility	3.7	6.5	4.7	8.2	5.3	9.3
Skilled Nursing Facility	3.7	6.4	4.9	8.4	6.8	11.7
Dialysis/ESRD Facility	3.3	5.6	4.3	7.4	5.9	10.1
Pharmacy	11.9	22.2	354.6	664.6	NA	NA

**Table C-31—Average Travel Distances and Travel Times for LIBERTY—Primary Care Providers—Rural Areas**

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
<b>General Dental Providers</b>						
General Dentists	2.7	3.6	2.8	3.7	3.0	4.2
Pediatric Dentists	2.5	3.4	3.0	4.1	3.3	4.6
<b>Specialty Dental Providers</b>						
Endodontists	12.0	20.3	12.5	20.9	14.5	24.3
Periodontists	30.6	46.8	33.2	51.0	33.2	51.0
Prosthodontists	30.6	46.8	33.2	51.0	33.4	51.4
Oral Surgeons	5.8	8.0	7.1	9.9	24.7	31.2
<b>Mid-Level Dental Providers</b>						
Dental Hygienists	NA	NA	NA	NA	NA	NA



Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
Dental Therapists	NA	NA	NA	NA	NA	NA

**Table C-32—Average Travel Distances and Travel Times for LIBERTY—Primary Care Providers—Urban Areas**

Provider Category	First-Nearest		Second-Nearest		Third-Nearest	
	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)	Distance (Miles)	Time (Minutes)
<b>General Dental Providers</b>						
General Dentists	1.3	2.2	1.5	2.5	1.7	2.8
Pediatric Dentists	1.6	2.8	1.8	3.1	2.0	3.3
<b>Specialty Dental Providers</b>						
Endodontists	6.3	11.2	7.0	12.5	8.5	15.1
Periodontists	47.3	81.7	48.5	83.9	48.5	83.9
Prosthodontists	47.3	81.7	48.5	83.9	50.6	87.8
Oral Surgeons	3.2	5.3	4.2	6.9	43.2	62.0
<b>Mid-Level Dental Providers</b>						
Dental Hygienists	NA	NA	NA	NA	NA	NA
Dental Therapists	NA	NA	NA	NA	NA	NA