

**Background**

Individuals who are high utilizers of the healthcare system, known as multi-visit patients (MVPs), drive up readmission rates and tie up resources. These multiple visits may be a symptom of a deeper problem. As clinicians, if we can identify and rectify underlying problems, we can work to end the cycle of care utilization overuse, leading to better care for the individual and reduces burden on the healthcare system.

**Data Overview and Definitions**

Medicare claims Fee-for-Service data is used to calculate the measures contained in this report.

A ‘MVP’ classification is based on the prior year’s utilization, which included at least 4 inpatient claims or at least 5 emergency department (ED), observation stay (Obs), and inpatient (Inp) claims combined.

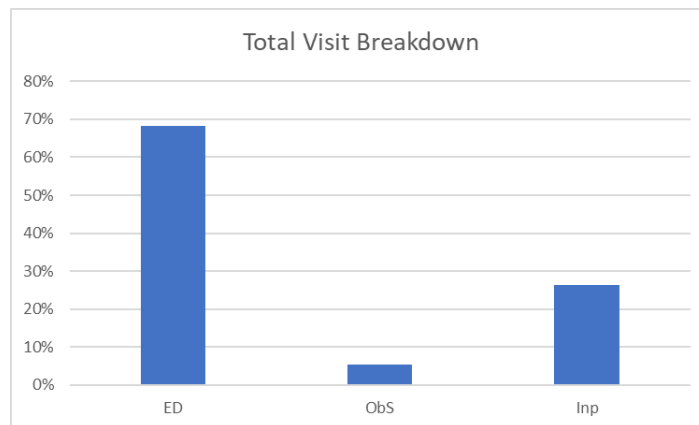
Of these MVPs, beneficiaries with at least one ED visit in the current report timeframe (as noted above) were included in this report. Total visits (including emergency room visits, observation stays and inpatient claims) and the top 5 primary and secondary diagnoses are included in this report.

Data is presented for North Dakota resident Medicare FFS beneficiaries and includes facilities in any state utilized by these MVPs during the current timeframe.

**MVP Data Highlights**

**MVP Hospital Utilization**

Unique MVPs	Total Visits (ED, Obs, Inp)				Overall Visit Total	Visit Total Breakdown		
	Average	Mode	Minimum	Maximum		ED	Obs	Inp
738	5.49	3	1	49	4053	2766	219	1068



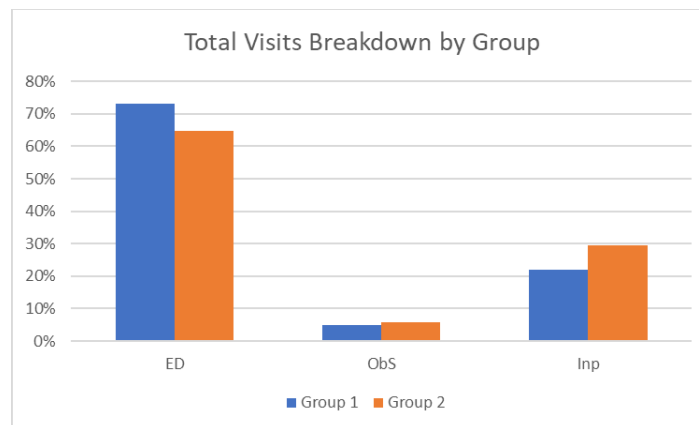
**Two distinct groups of MVPs** were identified as having unique utilization characteristics that warrant distinct consideration for care. Primary and secondary diagnosis codes were condensed into higher level categories for review to reduce the number of unique descriptions.

Group 1: MVPs **who had any claim**, in the current timeframe, with a primary or secondary diagnosis code that falls within a behavioral or alcohol/substance use category. At the state level, the average age at the time of admission for Group 1 MVP claims is 55 years old; 71% of the claims are for dual-eligible (both Medicare & Medicaid) beneficiaries.

Group 2: All other MVPs **who did not have a claim**, in the current timeframe, with a primary or secondary diagnosis code that falls within a behavioral or alcohol/substance use category. At the state level, the average age at the time of admission for Group 2 MVP claims is 69 years old; 38% of the claims are dual-eligible (both Medicare & Medicaid) beneficiaries.

### Hospital Utilization Group Comparison

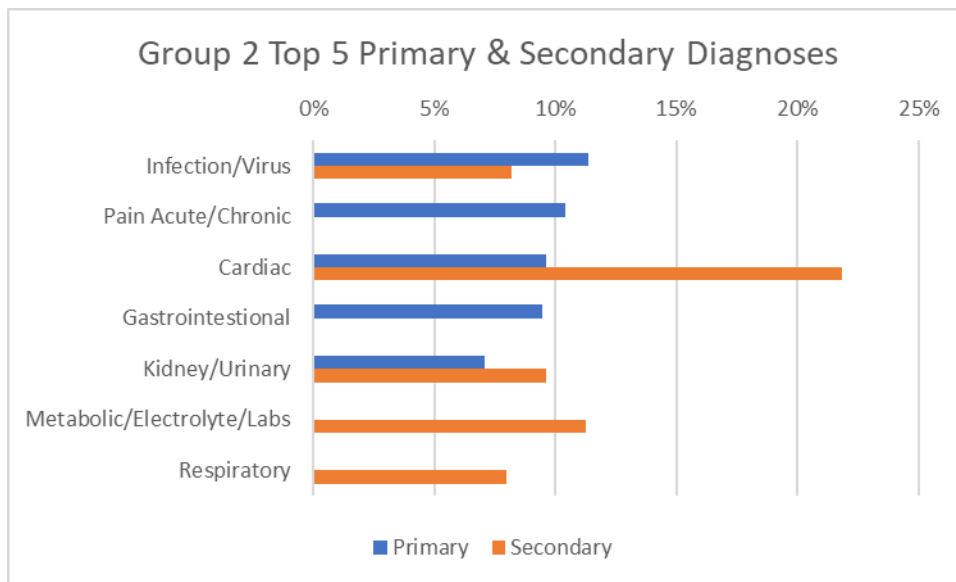
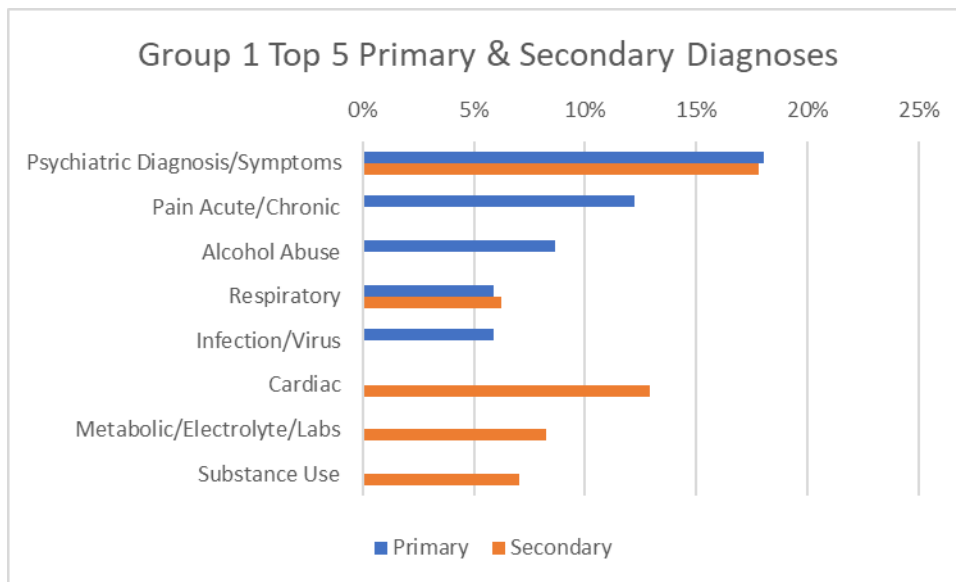
	Unique MVPs	Total Visits (ED, ObS, Inp)				Overall Visit Total	Visit Total Breakdown		
		Average	Mode	Minimum	Maximum		ED	ObS	Inp
Group 1	202	8.30	2, 5	1	49	1676	1227	81	368
Group 2	536	4.43	3	1	27	2377	1539	138	700



### Total Number of Hospitals Utilized by Group

Group 1				Group 2			
Total Unique MVPs	Number of Hospitals Utilized	Percent MVPs		Total Unique MVPs	Number of Hospitals Utilized	Percent MVPs	
90	1	44.55%		360	1	67.16%	
69	2	34.16%		114	2	21.27%	
27	3	13.37%		45	3	8.40%	
9	4	4.46%		8	4	1.49%	
4	5	1.98%		7	5	1.31%	
2	6	0.99%		0	6	0.00%	
0	7	0.00%		1	7	0.19%	
0	8	0.00%		0	8	0.00%	
1	9	0.50%		1	9	0.19%	

## Primary and Secondary Diagnosis Code Breakdown by Group



For questions on this report, please contact a member of our Great Plains Quality Innovation Network team; visit the Who We Are page (<https://greatplainsqin.org/about-us/who-we-are/>) for a listing of team members and contact information.



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