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TOP SPENDING COHORTS - TOP 3 EXPENSES

1. Immunosuppressants - \$2,312,603.13
2. Hospital Short Term General and Specialty - \$1,706,251.37
3. E&M (Office/Outpatient Services) - \$1,058,813.02

Top Spending Cohorts - Diseases (ICD Level 2)

Top 5

shape: (5, 2)

cohort_name	spend
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str	f64
Malignant neoplasms of lymphoid, hematopoietic and related tissue	506,320.65
Osteoarthritis	330,809.30
Encounters for other specific health care	311,173.55
Hemorrhagic and hematological disorders of newborn	297,557.61
Acute kidney failure and chronic kidney disease	291,109.99

Top Spending Cohorts - Procedures (Type of Service)

Top 5

shape: (5, 2)

cohort_name --- str	spend --- f64
E&M (Office/Outpatient Services)	1,058,813.02
E&M (Behavioral Health Services)	304,546.09
Other (Ambulance)	277,621.42
Treatment (Injections and Infusions (nononcolog...	248,133.55
Anesthesia (Anesthesia)	205,667.55

Top Spending Cohorts - Drug Classes

Top 5

shape: (5, 2)

cohort_name --- str	spend --- f64
Immunosuppressants	2,312,603.13
Drugs Used In Diabetes	589,535.72
Other Nervous System Drugs	187,774.15
Drugs For Obstructive Airway Diseases	120,708.26
Analgesics	77,971.92

Top Sepnding Cohorts - Providers (Medical Speciality)

Top 5

shape: (5, 2)

cohort_name --- str	spend --- f64
Hospital Short Term General and Specialty	1,706,251.37
Hospital Psychiatric Unit	931,914.47
Ambulance Service Provider	531,101.09
Hospital Rehabilitation Unit	413,872.97
Physician Assistant	314,240.19

Surge in Spending Cohorts - Diseases (ICD Level 2)

Top 10

shape: (10, 4)

cohort_name	avg_3m_spend	avg_3y_spend	pct_increase
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str	f64	f64	f64
Diseases of veins, lymphatic vessels and lymph nodes, not elsewhere classified			
	22,513.28	2,820.41	698.23
Other osteopathies			
	18,256.50	2,722.98	570.46
Persons with potential health hazards related to family and personal history and certain conditions influencing health status			
	22,744.26	4,878.31	366.23
Diseases of esophagus, stomach and duodenum			
	9,098.29	3,882.47	134.34
Urolithiasis			
	4,807.06	2,859.92	68.08
Benign neoplasms, except benign neuroendocrine tumors			
	7,205.66	4,479.95	60.84
Malignant neoplasms of digestive organs			
	11,698.06	9,793.53	19.45
Biomechanical lesions, not elsewhere classified			
	4,295.59	3,781.26	13.60
Other forms of heart disease			
	14,967.05	13,226.85	13.16
Mood [affective] disorders			
	9,014.73	8,288.45	8.76

Surge in Spending Cohorts - Procedures (Type of Service)

Top 10

shape: (9, 4)

cohort_name	avg_3m_spend	avg_3y_spend
pct_increase		
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str	f64	f64
f64		
E&M (Behavioral Health Services)	11,930.44	11,826.16
0.88		
Other (Vision, Hearing, and Speech Services)	4,932.87	4,904.90
0.57		
Treatment (Physical, Occupational, and Speech T...	5,159.81	5,857.13
-11.91		
Procedure (Digestive/Gastrointestinal)	3,171.02	3,679.91
-13.83		
Procedure (Other Organ Systems)	4,915.80	6,029.97
-18.48		
E&M (Office/Outpatient Services)	35,048.29	43,072.77
-18.63		
E&M (Ophthalmological Services)	4,764.28	5,862.46
-18.73		
Anesthesia (Anesthesia)	5,376.80	8,800.20
-38.90		
Treatment (Injections and Infusions (nononcolog...	4,439.25	10,001.13
-55.61		

Surge in Spending Cohorts - Drug Classes

Top 10

shape: (10, 4)

cohort_name	avg_3m_spend	avg_3y_spend	p
ct_increase			
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str	f64	f64	
f64			
Antivirals For Systemic Use	1,453.19	419.00	
246.82			
Psycholeptics	4,741.23	1,921.18	
146.79			
Drugs For Obstructive Airway Diseases	5,062.44	3,687.14	
37.30			
Antithrombotic Agents	2,832.72	2,076.99	
36.39			
Analgesics	2,977.16	2,291.06	
29.95			
Sex Hormones And Modulators Of The Genital System	1,561.50	1,375.25	
13.54			
Drugs Used In Diabetes	20,002.36	18,546.79	
7.85			
Psychoanaleptics	1,431.71	1,603.38	
-10.71			
Immunosuppressants	54,215.95	72,594.27	
-25.32			
Other Nervous System Drugs	836.63	5,999.07	
-86.05			

Surge in Spending Cohorts - Providers (Medical Speciality)

Top 10

shape: (10, 4)

cohort_name		avg_3m_spend	avg_3y_spend
pct_increase			
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str	f64	f64	
Hospitals		5,250.49	1,56
8.93	234.65		
Hospital Specialty Hospital cardiac orthopedic surgical		4,816.60	2,51
3.93	91.60		
Ambulance Service Provider		25,099.33	17,27
9.29	45.26		
End Stage Renal Disease Facility		3,427.31	2,71
5.61	26.21		
Licensed Clinical Social Worker		2,060.74	2,11
0.46	-2.36		
Hospital Rehabilitation Unit		13,623.16	14,26
5.73	-4.50		
Optometry		8,047.37	8,80
1.18	-8.56		
Nurse Practitioner		6,722.10	9,31
6.55	-27.85		
Physician Assistant		9,242.19	13,93
7.43	-33.69		
Hospital Short Term General and Specialty		49,254.87	80,29
3.18	-38.66		

Emerging Spending Cohorts - Diseases (ICD Level 2)

Top 10

shape: (10, 4)

cohort_name	avg_1y_spend	avg_3y_spend	pct_increase
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str	f64	f64	f64
Edema, proteinuria and hypertensive disorders in pregnancy, childbirth and the puerperium	10,722.29	3,664.82	192.57
Malignant neoplasms of lymphoid, hematopoietic and related tissue	39,685.13	14,522.33	173.27
Ischemic heart diseases	17,769.59	8,526.29	108.41
Encounters for other specific health care	22,591.80	13,431.24	68.20
Malignant neoplasms of digestive organs	14,087.07	9,793.53	43.84
Mood [affective] disorders	11,425.72	8,288.45	37.85
Complications of surgical and medical care, not elsewhere classified	9,735.01	7,234.88	34.56
Persons encountering health services in circumstances related to reproduction	10,972.11	8,471.47	29.52
Anxiety, dissociative, stress-related, somatoform and other nonpsychotic mental disorders	9,054.38	8,798.55	2.91
Osteoarthritis	11,147.95	14,929.21	-25.33

Emerging Spending Cohorts - Procedures (Type of Service)

Top 10

shape: (9, 4)

cohort_name	avg_1y_spend	avg_3y_spend
pct_increase		
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str	f64	f64
f64		
Treatment (Chemotherapy)	15,565.31	5,737.62
171.29		
Treatment (Physical, Occupational, and Speech T...	6,128.89	5,857.13
4.64		
E&M (Behavioral Health Services)	12,369.28	11,826.16
4.59		
Procedure (Other Organ Systems)	6,264.91	6,029.97
3.90		
E&M (Office/Outpatient Services)	43,558.85	43,072.77
1.13		
Anesthesia (Anesthesia)	8,304.32	8,800.20
-5.63		
Other (Ambulance)	5,973.51	7,923.84
-24.61		
Treatment (Injections and Infusions (nononcolog...	7,480.96	10,001.13
-25.20		
Procedure (Musculoskeletal)	5,954.57	9,992.16
-40.41		

Emerging Spending Cohorts - Drug Classes

Top 10

shape: (10, 4)

cohort_name ct_increase	avg_1y_spend	avg_3y_spend	p
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str f64	f64	f64	
Antivirals For Systemic Use 134.10	980.90	419.00	
Psycholeptics 86.73	3,587.36	1,921.18	
Antithrombotic Agents 71.97	3,571.85	2,076.99	
Drugs For Obstructive Airway Diseases 53.23	5,649.87	3,687.14	
Analgesics 43.73	3,292.91	2,291.06	
Immunosuppressants 29.54	94,039.96	72,594.27	
Drugs Used In Diabetes 23.80	22,960.55	18,546.79	
Psychoanaleptics 18.86	1,905.83	1,603.38	
Sex Hormones And Modulators Of The Genital System 5.89	1,456.27	1,375.25	
Other Nervous System Drugs -4.58	5,724.28	5,999.07	

Emerging Spending Cohorts - Providers (Medical Speciality)

Top 10

shape: (9, 4)

cohort_name	avg_1y_spend	avg_3y_spend	pct_inc
rease			
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str	f64	f64	
f64			
Pharmacy	18,563.87	11,189.42	
65.91			
Physician General Surgery	9,569.09	7,234.33	
32.27			
Hospital Rehabilitation Unit	18,852.60	14,265.73	
32.15			
Hospital Psychiatric Unit	37,013.58	28,212.85	
31.19			
Critical Access Hospital	10,057.78	9,458.64	
6.33			
Ambulance Service Provider	17,135.67	17,279.29	
-0.83			
Hospital Short Term General and Specialty	76,498.45	80,293.18	
-4.73			
Nurse Practitioner	8,831.79	9,316.55	
-5.20			
Physician Assistant	12,421.53	13,937.43	-
10.88			