

## Ad hoc Analysis query results

1. 

claim_id	patient_id	provider_id	plan_id	diagnosis_code	claim_date	total_cost	amount_covered	claim_status
1	173	47	7	E11	2024-03-24	3884.83	2511.93	Approved
2	28	8	3	E78	2024-02-21	1389.86	1233.36	Denied
3	232	32	3	J06	2025-03-28	4311.49	3826.02	Denied
4	139	2	2	J06	2025-09-02	1980.29	1467.39	Approved
5	67	36	5	J06	2024-09-02	3018.91	2252.41	Approved
6	12	32	8	E78	2025-06-07	1301.41	888.73	Approved
7	206	19	3	N39	2024-06-14	1060.54	941.12	Approved
8	2	39	9	K21	2025-07-21	3933.86	2363.46	Pending
2. 

total_claims
1000
3. 

payer	total_claims
Medicare	432
Aetna	289
Cigna	177
Medicaid	102
4. 

plan_name	avg_claim_cost	avg_amount_covered
Gold	2738.29	2070.84
Bronze	2628.48	1710.05
Silver	2561.93	1951.72
5. 

payer	total_claims	approved_claims	approval_rate_pct
Cigna	177	123	69.49
Medicare	432	298	68.98
Aetna	289	196	67.82
Medicaid	102	62	60.78
6. 

diagnosis_code	diagnosis_desc	total_claim_cost
E78	Disorders of lipoprotein metabolism	320910.43
I25	Chronic ischemic heart disease	301946.39
J45	Asthma	273936.79
I10	Essential (primary) hypertension	262000.06
N39	Urinary tract infection	254492.75
7. 

state	total_claim_cost	total_covered_cost
TX	333812.21	245679.04
NC	322732.93	240773.95
FL	303960.60	217066.21
OH	256761.24	183803.19
PA	256651.34	188226.17
MI	244648.48	175973.74
IL	240528.41	173350.88
CA	230718.57	164751.96
NY	221835.60	161999.29
GA	221676.40	162619.71

claim_month	claim_count	total_cost
2023-11	39	94161.64
2023-12	38	112298.40
2024-01	34	74742.89
2024-02	44	119139.42
2024-03	51	126302.12
2024-04	50	136600.45
2024-05	39	92651.90
2024-06	40	90930.48
2024-07	33	94245.37
2024-08	41	110065.02
2024-09	51	131051.48

8.

provider_name	total_claims	total_claim_cost	approval_rate_pct
Brooks Urgent Care	32	97975.68	65.63
Taylor Hospital	33	97372.96	72.73
Adams Urgent Care	30	86688.57	56.67
Carlson Laboratory	29	79695.97	68.97
Hudson Laboratory	25	75568.65	72.00
Cooper Clinic	26	70671.62	76.92
Snyder Urgent Care	29	69784.06	68.97
Cherry Hospital	27	68098.04	62.96
Gonzalez Clinic	25	67772.93	80.00
George Clinic	22	65320.45	77.27

9.

payer	coverage_efficiency_pct
Medicare	76.79
Aetna	70.99
Medicaid	68.29
Cigna	68.27

10.

payer	diagnosis_desc	total_claims	denial_rate_pct
Medicare	Depressive episode	37	32.43
Aetna	Disorders of lipoprotein metabolism	29	27.59
Medicare	Asthma	45	26.67
Medicare	Disorders of lipoprotein metabolism	54	25.93
Aetna	Depressive episode	31	25.81
Medicare	Acute upper respiratory infection	44	25.00
Aetna	Type 2 diabetes mellitus	23	21.74
Aetna	Urinary tract infection	33	21.21
Medicare	Gastro-esophageal reflux disease	38	21.05
Medicare	Urinary tract infection	46	19.57
Cigna	Type 2 diabetes mellitus	21	19.05

11.