

Patients - Asher_CareSim3

app.fabric.microsoft.com/groups/7fee754f-dd53-4b80-9507-e78b3b4ec12d/reports/e8fe291b-acba-438c-a120-4adc4a66d61b/bcb6cf137dca6e1a48dd?experience=fabric-dev...

ChatGPT Python key conce... Welcome | Hello W... UCSB Quickstart... Coursera | Online... Fabric Data Science Icons Power BI Practice Assessm... Bookmarks

Asher_CareSim3

Pages Patients Doctors Hospitals Conditions Treatments

Healthcare Data Analytics

Search

Trial: 37 days left

Copilot

Filters

Search

There aren't any filters to display.

55.50K Total Patient Records

51.54 Average Age of Patient

15.51 Average Days per Stay

\$28.99K Average Billed per Patient

Patients by Gender & Age Group

Age Group	Female (%)	Male (%)
0-18	24.6%	24.5%
19-35	22.2%	22.3%
36-50	22.2%	22.7%
51-65	22.0%	22.7%
66+	28.9%	29.3%

Patients by Age Group

Age Group	Percentage
0-18	1.7%
19-35	22.4%
36-50	29.1%
51-65	22.3%
66+	24.6%

Year / Qtr / Month

Category	All
AB+	12.6%
AB-	12.5%
B+	12.6%
B-	12.5%
A+	12.5%
A-	12.5%
O+	12.4%
O-	12.4%

Patients by Blood Type

Total Patient Admissions Over Time

January February March April May June July August September October November December

Fabric

Patients - Asher_CareerSim3

app.fabric.microsoft.com/groups/7fee754f-dd53-4b80-9507-e78b3b4ec12d/reports/e8fe291b-acba-438c-a120-4adc4a66d61b/773cd942fa12e326ad12?experience=fabric-dev...

ChatGPT Python key conce... Welcome | Hello W... UCSB Quickstart... Coursera | Online... Fabric Data Science Icons Power BI Practice Assessm... Bookmarks

Asher_CareerSim3

Pages Patients Doctors Hospitals Conditions Treatments Real-Time Workloads FinalCareer_March202...

Healthcare Data Analytics

74

Search

Trial: 37 days left

Copilot

Filters

Search

There aren't any filters to display.

Doctors Treating Each Condition

Condition	Doctors
Arthritis	9.31K
Diabetes	9.30K
Hypertens...	9.25K
Obesity	9.23K
Cancer	9.23K
Asthma	9.19K

Doctors per Admission Type

- Elective
- Urgent
- Emergency

Year / Qtr / Month

All

Doctors per Insurance Co.

Insurance Co.	Percentage
Cigna	20.2%
Blue Cross	20.0%
Medicare	20.1%
UnitedHealthcare	20.0%
Aetna	19.7%

Total Doctors vs Patients Over Time

● Total Patients ● Total Doctors

50.00K Total Doctors

5 Insurance Companies

1.02 Doctors per Patient

1.25 Doctors per Hospital

Patients - Asher_CareSim3

app.fabric.microsoft.com/groups/7fee754f-dd53-4b80-9507-e78b3b4ec12d/reports/e8fe291b-acba-438c-a120-4adc4a66d61b/463973dff7561cf59b0e?experience=fabric-dev...

ChatGPT Python key conce... Welcome | Hello W... UCSB Quickstart... Coursera | Online... Fabric Data Science Icons Power BI Practice Assessm... Bookmarks

Asher_CareSim3

Pages File Export Share Explore Subscribe Set alert Edit ...

Search

74 Trial: 37 days left

Home Patients Doctors Hospitals Conditions Treatments Workloads FinalCareer_March202...

OneLake catalog Monitor Real-Time

Asher_CareSim3 asherLakeho use Asher_Healt hcare_SM

Copilot

Healthcare Data Analytics

39.88K Total Hospitals

LLC Smith Most Visited Hospital

Hospitals per Insurance Provider

Insurance Provider	Total Hospitals
Medicare	9.22K
Cigna	9.22K
UnitedHea...	9.19K
Blue Cross	9.13K
Aetna	9.02K

Hospitals per Admission Type

Year / Qtr / Month All

Total Billing per Insurance

Insurance Provider	Total Billing
Cigna	\$287M
Medicare	\$286M
Blue Cross	\$283M
UnitedHe...	\$282M
Aetna	\$279M

Cigna Insurance Most Accepted

\$35.55K Average Billing per Hospital

Top 10 Total Billing per Hospital and Admission Type

Admission Type: Elective, Emergency, Urgent

Hospital	Elective	Emergency	Urgent	Total
Johnson PLC	\$0.41M	\$0.31M	\$0.36M	\$0.36M
LLC Smith	\$0.25M	\$0.42M	\$0.35M	\$0.35M
Smith PLC	\$0.39M	\$0.28M	\$0.36M	\$0.36M
Ltd Smith	\$0.29M	\$0.23M	\$0.48M	\$0.48M
Smith Ltd	\$0.31M	\$0.41M	\$0.26M	\$0.26M
Johnson Inc	\$0.37M	\$0.30M	\$0.27M	\$0.27M
Group Smith	\$0.32M	\$0.36M	\$0.23M	\$0.23M
Inc Brown	\$0.36M	\$0.30M	\$0.24M	\$0.24M
LLC Johnson	\$0.30M	\$0.29M	\$0.23M	\$0.23M
Smith Group	\$0.38M	\$0.19M	\$0.24M	\$0.24M

Fabric

Patients - Asher_CareSim3

app.fabric.microsoft.com/groups/7fee754f-dd53-4b80-9507-e78b3b4ec12d/reports/e8fe291b-acba-438c-a120-4adc4a66d61b/00ae62d6f955fb1de816?experience=fabric-dev...

ChatGPT Python key conce... Welcome | Hello W... UCSB Quickstart... Coursera | Online... Fabric Data Science Icons Power BI Practice Assessm... Bookmarks

Asher_CareSim3

Pages File Export Share Explore Subscribe Set alert Edit ...

Search

Trial: 37 days left

Copilot

Healthcare Data Analytics

Conditions

Arthritis Most Common Condition

6 Types of Conditions

Medical Condition by Age Group

Age Group	Arthritis	Asthma	Cancer	Diabetes	Hypertension	Obesity
0-18	30%	30%	29%	29%	30%	28%
19-35	22%	22%	22%	23%	22%	22%
36-50	22%	25%	25%	24%	24%	25%
51-65	24%	25%	25%	23%	24%	25%
66+	22%	22%	22%	23%	22%	22%

Condition per Admission Type

Admission Type	Arthritis	Diabetes	Hypertension	Obesity	Cancer	Asthma
Elective	33.1%	32.9%	34.8%	33.0%	34.1%	33.8%
Emergency	33.4%	32.4%	32.5%	33.9%	32.7%	32.7%
Urgent	33.5%	34.7%	32.7%	33.2%	33.2%	33.5%

Year / Qtr / Month

Arthritis Cancer Obesity

Condition	Arthritis	Cancer	Obesity
Arthritis	17.2%	17.1%	16.9%
Diabetes	17.1%	16.9%	16.9%
Hypertension	16.9%	16.9%	16.9%
Asthma	16.9%	16.9%	16.9%

Obesity Most Costly Condition

Asthma Condition with Longest Stay

Total Patients per Medical Condition Over Time

Arthritis Asthma Cancer Diabetes Hypertension Obesity

900

800

700

January February March April May June July August September October November December

6

Types of Conditions

Arthritis Most Common Condition

Obesity Most Costly Condition

Asthma Condition with Longest Stay

Total Patients per Medical Condition Over Time

Arthritis Asthma Cancer Diabetes Hypertension Obesity

January February March April May June July August September October November December

99%

Patients - Asher_CareSim3

app.fabric.microsoft.com/groups/7fee754f-dd53-4b80-9507-e78b3b4ec12d/reports/e8fe291b-acba-438c-a120-4adc4a66d61b/1c641cd8770724e6dc12?experience=fabric-dev...

ChatGPT Python key conce... Welcome | Hello W... UCSB Quickstart... Coursera | Online... Fabric Data Science Icons Power BI Practice Assessm... Bookmarks

Asher_CareSim3

Pages

Patients

Doctors

Hospitals

Conditions

Treatments

Healthcare

Medications per Test Results

● Abnormal ● Inconclusive ● Normal

Medication	Abnormal (%)	Inconclusive (%)	Normal (%)
Lipitor	33.3%	33.6%	33.1%
Ibuprofen	33.7%	32.8%	33.6%
Aspirin	33.6%	32.7%	33.7%
Paracetamol	33.8%	33.2%	33.0%
Penicillin	33.5%	33.1%	33.5%

0% 50% 100%

Medications per Condition

● Arthritis ● Asthma ● Cancer ● Diabetes

Condition	Arthritis (%)	Asthma (%)	Cancer (%)	Diabetes (%)
Lipitor	16.4%	16.6%	17.0%	16.2%
Ibuprofen	17.0%	16.7%	16.8%	17.1%
Aspirin	17.3%	16.8%	16.1%	16.2%
Paracetamol	16.4%	16.4%	16.7%	16.2%
Penicillin	16.4%	17.3%	17.1%	16.7%

Year / Qtr / Month

All

Most Common Admission

● Elective ● Urgent ● Emergency

Billing Amount vs Length of Stay per Visit

● Average Billing Amount ● Average Length of Stay in Days

Month	Avg Billing Amount	Avg Length of Stay (Days)
January	25,700	15.7
February	25,400	15.4
March	25,500	15.5
April	25,800	15.8
May	25,300	15.3
June	25,900	15.9
July	25,500	15.5
August	25,400	15.4
September	25,200	15.2
October	25,900	15.9
November	25,600	15.6
December	25,500	15.5

asherLakehouse - Fabric

app.fabric.microsoft.com/groups/4300a4f0-b358-4a81-bf44-555f7b505831/lakehouses/6d1ff204-684a-4dcd-8924-8be5c97ee8b1?experience=fabric-developer

ChatGPT Python key conce... Welcome | Hello W... UCSB Quickstart... Coursera | Online... Fabric Data Science Icons Power BI Practice Assessm... Bookmarks

asherLakehouse Home Search Trial: 37 days left Lakehouse Share

A SQL analytics endpoint for SQL querying was created with this item.

Explorer

Search tables

fact_healthcare

Showing 1000 rows

	12L_patientID	12L_Age	ABC_Age Group	12L_AgeGroupS...	12L_conditionID	12L_admissiond...	Date of Ad...	12_Billing Amo...	12L_dischargeda...	Date Discharge D...	12L_doctorID	12L_Rc
1	7128	18	0-18	1	9002	141	9/26/2019 12:00:...	11296.84302288...	153	10/8/2019 12:00:...	6150	432
2	13648	18	0-18	1	9000	1224	9/13/2022 12:00:...	13658.79006933...	1226	9/15/2022 12:00:...	12740	462
3	13668	18	0-18	1	9000	700	4/7/2021 12:00:...	24521.99650249...	729	5/6/2021 12:00:...	12760	380
4	14763	18	0-18	1	9005	228	12/22/2019 12:00:...	17282.052462221	230	12/24/2019 12:00:...	13866	400
5	14895	18	0-18	1	9003	701	4/8/2021 12:00:...	10044.44573028...	725	5/2/2021 12:00:...	13999	331
6	16200	18	0-18	1	9000	39	6/16/2019 12:00:...	24053.12759888...	40	6/17/2019 12:00:...	15324	194
7	23810	18	0-18	1	9003	378	5/20/2020 12:00:...	30766.31807745...	384	5/26/2020 12:00:...	23067	271
8	25361	18	0-18	1	9002	736	5/13/2021 12:00:...	46107.70656936...	741	5/18/2021 12:00:...	24651	350
9	28399	18	0-18	1	9003	897	10/21/2021 12:00:...	48018.18085683...	903	10/27/2021 12:00:...	27778	224
10	28776	18	0-18	1	9000	1388	2/24/2023 12:00:...	17397.66400905...	1413	3/21/2023 12:00:...	28162	255
11	31056	18	0-18	1	9000	194	11/18/2019 12:00:...	37070.431097312	196	11/20/2019 12:00:...	30508	228
12	36108	18	0-18	1	9002	307	3/10/2020 12:00:...	44381.45601647...	320	3/23/2020 12:00:...	35696	321
13	38866	18	0-18	1	9000	1339	1/6/2023 12:00:...	23583.73476389...	1356	1/23/2023 12:00:...	38547	163
14	46471	18	0-18	1	9000	434	7/15/2020 12:00:...	44602.39096460...	448	7/29/2020 12:00:...	46442	320
15	46553	18	0-18	1	9003	984	1/16/2022 12:00:...	8567.838727491...	989	1/21/2022 12:00:...	46528	195
16	16200	16	0-18	1	9000	39	6/16/2019 12:00:...	24053.12759888...	40	6/17/2019 12:00:...	15324	194
17	13841	18	0-18	1	9002	1592	9/16/2023 12:00:...	36559.09301095...	1600	9/24/2023 12:00:...	12933	417
18	28399	14	0-18	1	9003	897	10/21/2021 12:00:...	48018.18085683...	903	10/27/2021 12:00:...	27778	224
19	24013	17	0-18	1	9005	1313	12/11/2022 12:00:...	44752.76140532...	1317	12/15/2022 12:00:...	23274	378
20	19444	15	0-18	1	9002	724	5/1/2021 12:00:...	30871.42454462...	738	5/15/2021 12:00:...	18620	230
21	44570	16	0-18	1	9001	1363	1/30/2023 12:00:...	21031.77453688...	1371	2/7/2023 12:00:...	44477	413
22	8655	18	0-18	1	9000	321	3/24/2020 12:00:...	2709.615512576...	337	4/9/2020 12:00:...	7691	261
23	9132	18	0-18	1	9002	797	7/13/2021 12:00:...	41526.70188969...	827	8/12/2021 12:00:...	8172	289
24	13470	18	0-18	1	9003	1669	12/2/2023 12:00:...	25834.03961005...	1694	12/27/2023 12:00:...	12559	359
25	17410	18	0-18	1	9003	895	10/19/2021 12:00:...	6216.603352950...	901	10/25/2021 12:00:...	16550	439
26	21348	18	0-18	1	9001	1033	3/6/2022 12:00:...	10307.82186934...	1058	3/31/2022 12:00:...	20554	127
27	23099	18	0-18	1	9004	1825	5/6/2024 12:00:...	39703.09580533...	1847	5/28/2024 12:00:...	22343	194
28	25641	18	0-18	1	9000	1503	6/19/2023 12:00:...	40422.22684673...	1508	6/24/2023 12:00:...	24941	183

Succeeded (4 sec 814 ms) Columns 16 Rows 1,000

Fabric

app.fabric.microsoft.com/workloads/dataflows/author/capacityObjectId/8A97EEDE-5B38-447F-A4A1-908A586E9C9D/dataflowId/c971bfca-acca-4973-bee5-b5c81e88c84a/ext...

ChatGPT Python key conce... Welcome | Hello W... UCSB Quickstart... Coursera | Online... Fabric Data Science Icons Power BI Practice Assessm... Bookmarks All Bookmarks

Asher_Healthcare_Dataflow Search Trial: 37 days left

Power Query | Asher_Healthcare_Dataflow ✓ Dataflow saved Search (Alt + Q)

Home Transform Add column View Help

Queries [11] *fx* Table.TransformColumnTypes(#"Reordered columns 10", {"AgeGroupSortOrder", Int64.Type})

Helper Queries [3]

- _AdmissionDates
- _DischargeDates
- 1.2 Total Fact Rows

fact_healthcare

- dim_date
- dim_patient
- dim_doctor
- dim_condition
- dim_admissiontype
- dim_medication
- dim_testresults

patientID	Age	Age Group	AgeGroupSortOrder	conditionID	admissiondateID	Date of Admission	Billing Amount	dischargedateID	Discharge
1000	30	19-35	2	9000	1729	1/31/2024	18856.28131	1731	
1598	31	19-35	2	9001	1708	1/10/2024	28483.87694	1731	
2683	52	51-65	4	9001	0	5/8/2019	26451.75115	5	
1006	21	19-35	2	9002	545	11/3/2020	19580.87234	557	1
1295	24	19-35	2	9003	535	10/24/2020	20980.30306	557	1
2312	61	51-65	4	9001	534	10/23/2020	16155.88013	557	1
1483	43	36-50	3	9000	545	11/3/2020	14224.31229	573	
2257	18	0-18	1	9001	1	5/9/2019	8906.669679	25	
1652	49	36-50	3	9005	15	5/23/2019	13396.90017	25	
1001	62	51-65	4	9001	104	8/20/2019	33643.32729	110	
1430	56	51-65	4	9002	81	7/28/2019	16578.90584	110	
2497	63	51-65	4	9000	85	8/1/2019	16396.32384	110	
1095	79	66+	5	9004	103	8/19/2019	25503.67381	110	
1623	51	51-65	4	9004	2	5/10/2019	24691.24905	30	
1470	73	66+	5	9002	4	5/12/2019	30753.68882	30	
2260	79	66+	5	9003	14	5/22/2019	41102.28023	30	
1540	34	19-35	2	9003	27	6/4/2019	47398.58621	30	
1004	43	36-50	3	9000	1230	9/19/2022	14238.31781	1250	1
1882	65	51-65	4	9004	1240	9/29/2022	45019.02631	1250	1
2322	80	66+	5	9004	6	5/14/2019	39605.89074	7	
2423	29	19-35	2	9004	1230	9/19/2022	15157.87703	1243	1
2660	57	51-65	4	9005	1227	9/16/2022	42031.12851	1243	1
2220	85	66+	5	9005	4	5/12/2019	36307.54118	8	
1002	76	66+	5	9001	1233	9/22/2022	27955.09608	1248	
1178	28	19-35	2	9004	1224	9/13/2022	25796.86967	1248	
1832	67	66+	5	9005	1231	9/20/2022	47734.98787	1248	
2335	76	66+	5	9005	1245	10/4/2022	26434.27121	1248	
1111	18	0-18	1	9005	1233	9/22/2022	31485.97316	1255	10

Completed (10.66 s) Columns: 16 Rows: 99+ Default destination: asherLakehouse Step Publish

Query settings

Properties

Name: fact_healthcare

Applied steps

- Merged queries 5
- Expanded dim_testresults
- Removed columns 5
- Merged queries 6
- Expanded dim_date
- Reordered columns 5
- Renamed columns
- Merged queries 7
- Expanded dim_date 1
- Renamed columns 1
- Reordered columns 6
- Reordered columns 7
- Changed column type 1
- Added custom
- Reordered columns 8
- Renamed columns 2
- Changed column type 2
- Reordered columns 9
- Added custom 1
- Added custom 2
- Reordered columns 10
- Changed column type 3

Data destination

- Lakehouse

