

MASSACHUSETTS GENERAL HOSPITAL | Analysis

27.89K

Patients Visited

47.70K

Procedures

974

Unique Patients

£101.5...

Revenue

£31.10M

Insurance Company Paid

846

Admitted /Encounters

4.10

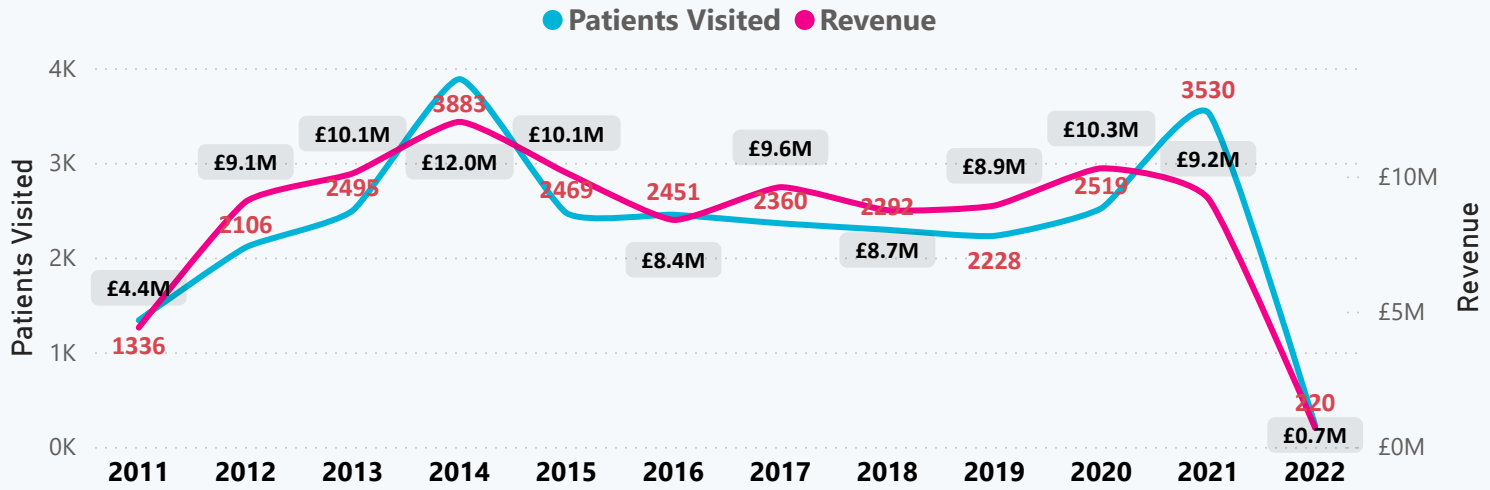
Average Stays (hr)/Encounter

Encounters

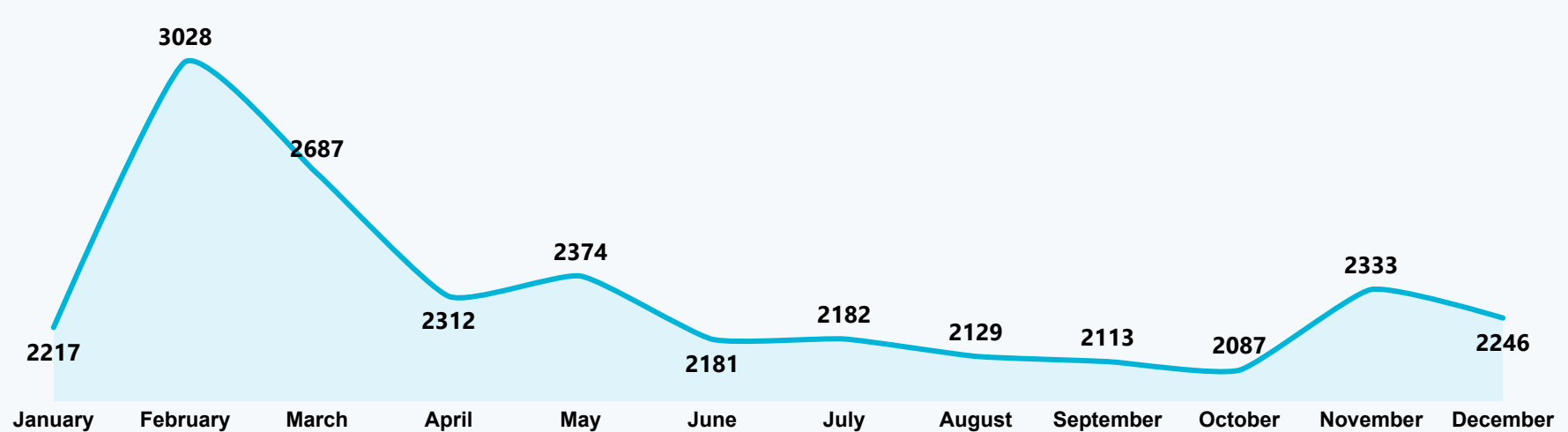
Procedures

Patients

Patients Visited vs Revenue by Year



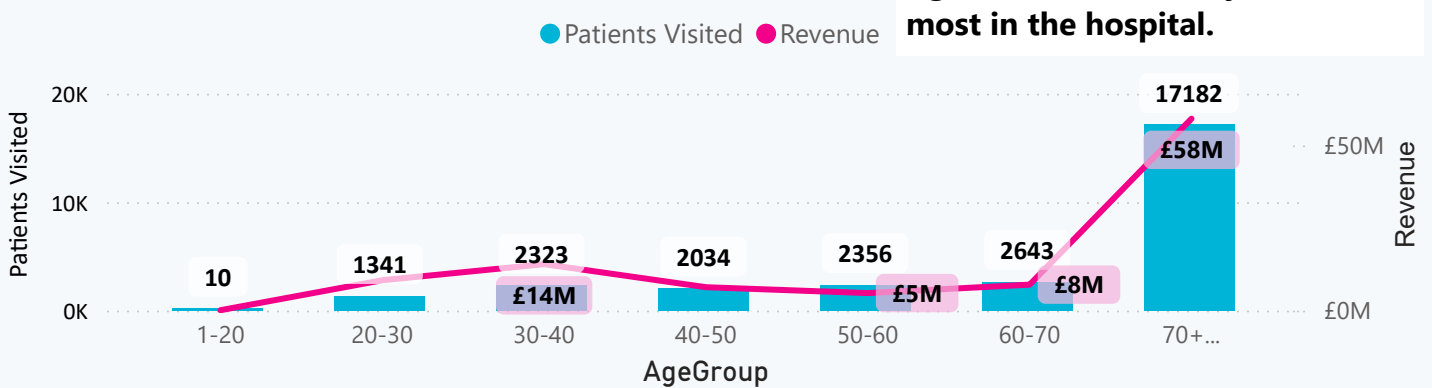
Monthly Trends of Patients Visit to Hospital



Summary by Encounter Class

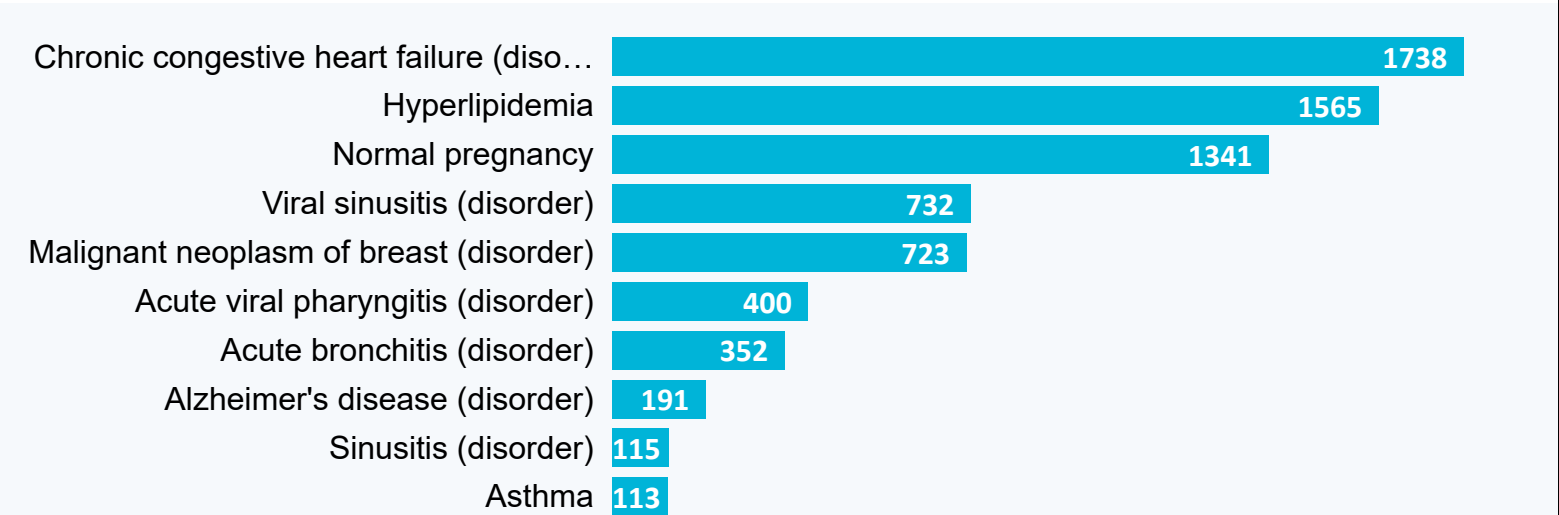
ENCOUNTERCLASS	Patients Visited	BASE_ENCOUNTER_COST	TOTAL_CLAIM_COST	PAYER_COVERAGE	Average COST
ambulatory	12535	£1,325,354.33	£36,283,269.74	£12,903,487.84	£2,894.56
emergency	2322	£337,266.57	£10,750,051.53	£3,246,828.27	£4,629.65
inpatient	1135	£129,019.73	£8,809,134.34	£3,688,764.95	£7,761.35
outpatient	6300	£661,750.59	£14,094,967.12	£3,777,758.35	£2,237.30
urgentcare	3666	£522,698.28	£23,349,349.96	£3,058,909.73	£6,369.16
wellness	1931	£264,160.80	£8,227,431.73	£4,421,749.94	£4,260.71
Total	27889	£3,240,250.30	£101,514,204.42	£31,097,499.08	£3,639.94

Patients Visited and Revenue / AgeGroup

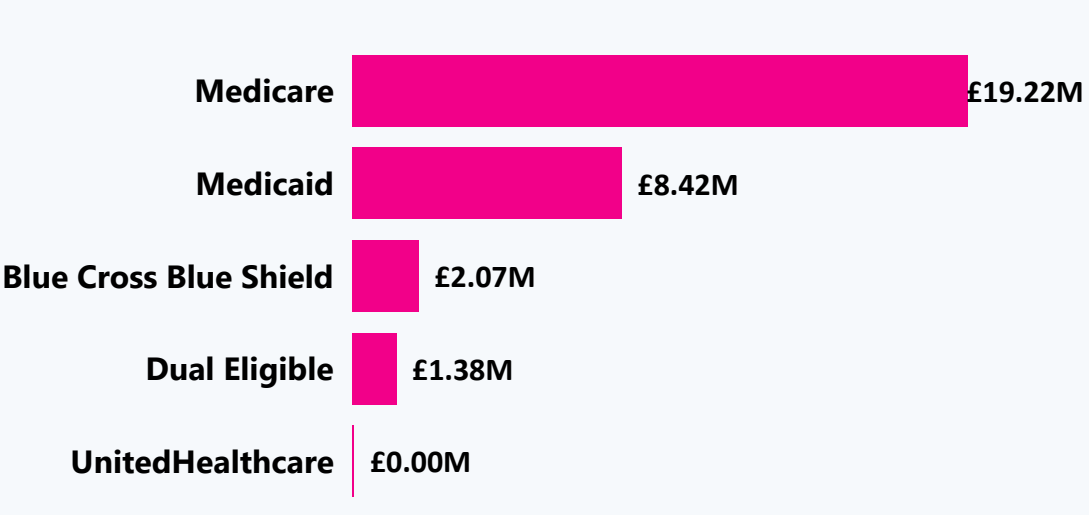


Age of more than 70 years visited most in the hospital.

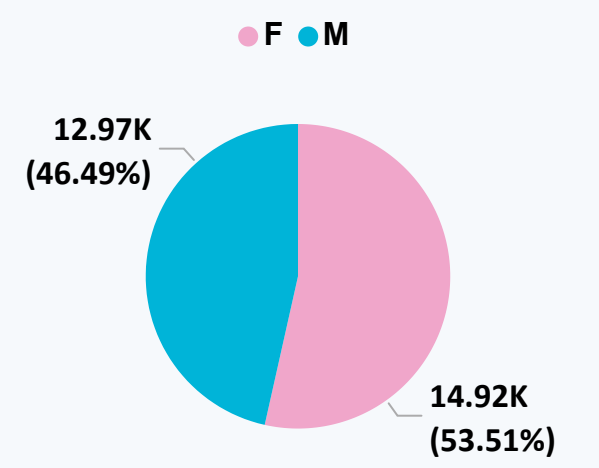
Common Reasons for Visiting Hospital



Which Insurance company paid most?



Most visited Patients by Gender



Year: All

2011	2017
2012	2018
2013	2019
2014	2020
2015	2021
2016	2022

Month: All

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

Quarter: All

Qtr 1	Qtr 3
Qtr 2	Qtr 4

27.89K

47.70K

974

£396.22M

£145.85M

52

8.81

Patients Visited

Procedures

Unique Patients

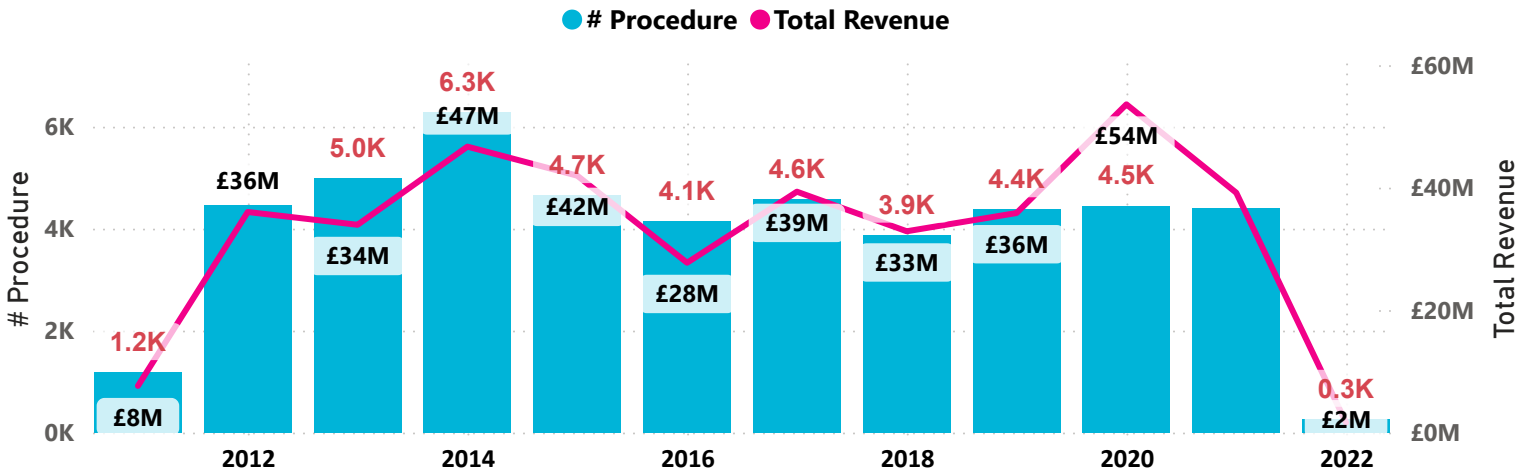
Revenue/Procedure

Insurance Company paid/Procedure

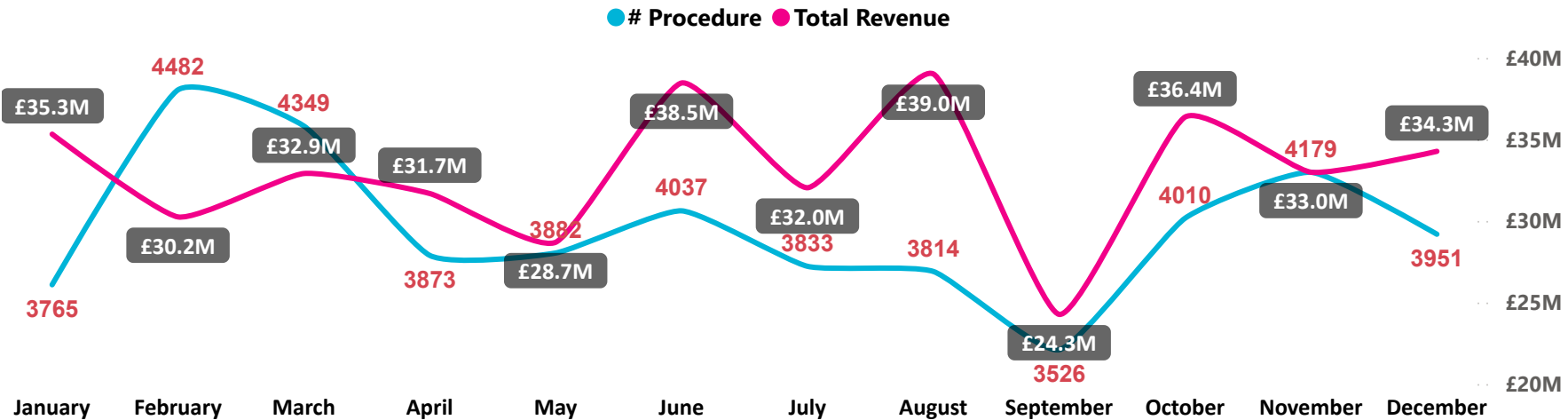
Admitted /Procedure

AvgStayHours /Admitted

Procedure vs Revenue over Year

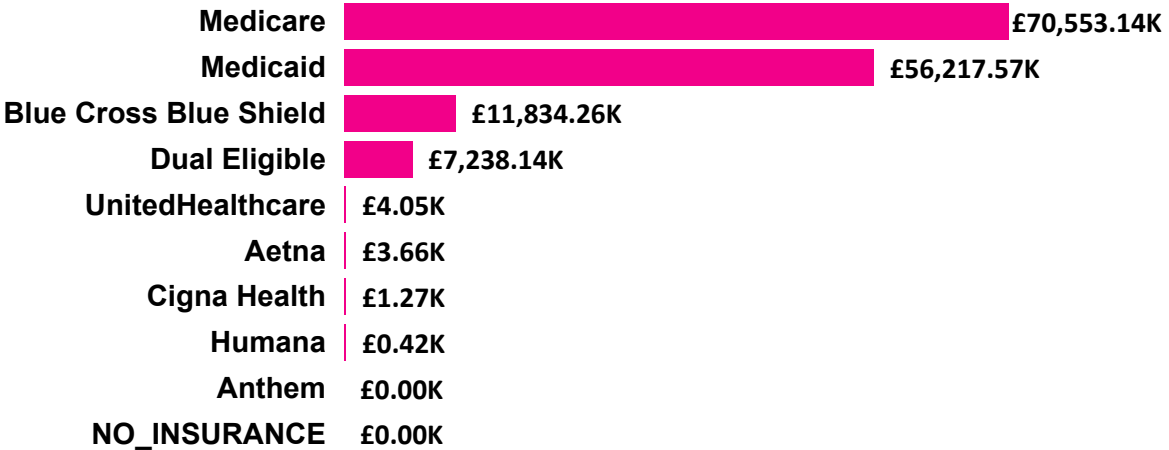


Procedure vs Total Revenue over Month

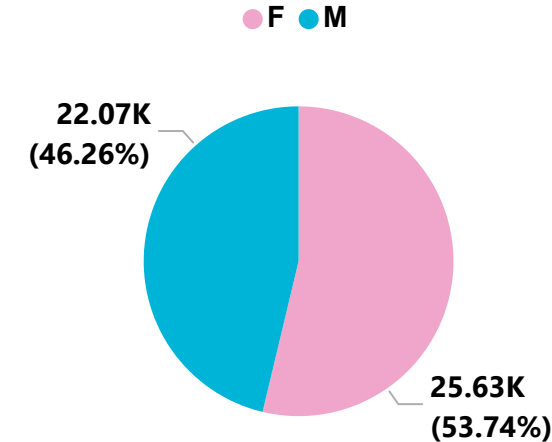


Procedure_Description	# Procedure	Revenue for Procedure	Total Revenue	Insurance Paid	Patient Paid	Procedure Cost Avg
Admit to ICU (procedure)	5	£1,031,302.00	£1,925,648.10	£0.00	£1,925,648.10	£206,260.40
Coronary artery bypass grafting	9	£423,773.00	£532,427.00	£283,527.81	£248,899.19	£47,085.89
Lumpectomy of breast (procedure)	5	£146,765.00	£212,809.91	£114,097.87	£98,712.04	£29,353.00
Hemodialysis (procedure)	27	£791,088.00	£6,108,610.77	£5,063,790.97	£1,044,819.80	£29,299.56
Insertion of biventricular implantable cardioverter defibrillator	4	£108,804.00	£144,664.94	£97,784.11	£46,880.83	£27,201.00
Electrical cardioversion	1383	£35,824,002.00	£36,464,315.38	£7,257,655.64	£29,206,659.74	£25,903.11
Partial resection of colon	7	£176,605.00	£177,219.54	£58,221.62	£118,997.92	£25,229.29
Fine needle aspiration biopsy of lung (procedure)	1	£23,141.00	£23,226.52	£0.00	£23,226.52	£23,141.00
Total	47701	£105,517,711.00	£396,217,003.41	£145,852,520.32	£250,364,483.09	£2,212.06

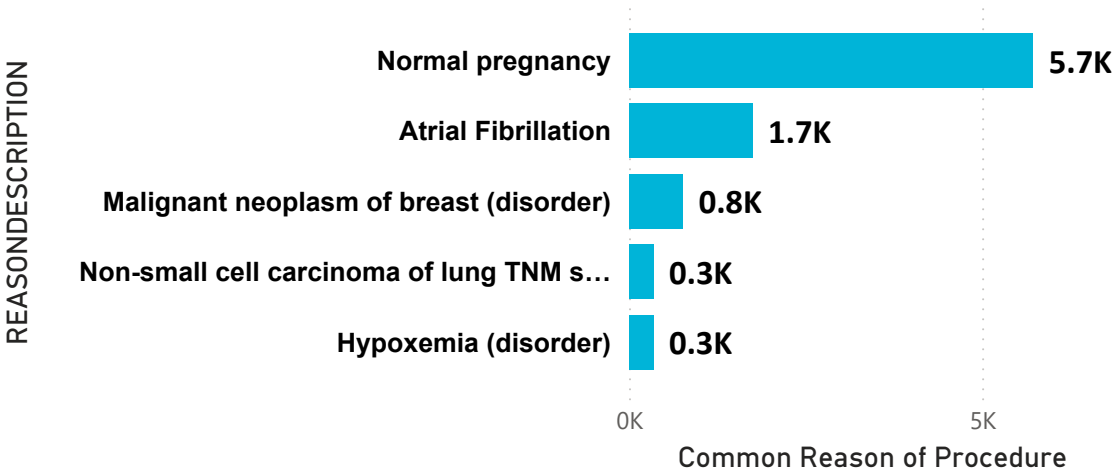
Which Company Paid Most



Procedure by Gender



Common Reason of Procedure



Age Group	# Procedure	% #Procedure	Total Revenue	Insurance Paid	Patient Paid
20-30	2618	5.49%	£20,295,847.06	£7,117,520.36	£13,178,326.70
F	985	2.06%	£8,701,546.17	£3,873,907.76	£4,827,638.41
M	1633	3.42%	£11,594,300.89	£3,243,612.60	£8,350,688.29
30-40	1582	3.32%	£22,350,526.60	£9,060,165.25	£13,290,361.35
F	981	2.06%	£17,763,751.76	£6,733,708.01	£11,030,043.75
M	601	1.26%	£4,586,774.84	£2,326,457.24	£2,260,317.60
40-50	58	0.12%	£360,269.26	£253,084.00	£107,185.26
F	8	0.02%	£9,210.94	£2,549.87	£6,661.07
M	50	0.10%	£351,058.32	£250,534.13	£100,524.19
50-60	2568	5.38%	£68,430,337.47	£23,052,536.15	£44,486,711.32
Total	47701	100.00%	£396,217,003.41	£145,852,520.32	£250,364,483.09

Encounters

Procedures

Patients

Year: All

2011	2017
2012	2018
2013	2019
2014	2020
2015	2021
2016	2022

Month: All

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

Quarter: All

Qtr 1	Qtr 3
Qtr 2	Qtr 4

MASSACHUSETTS GENERAL HOSPITAL | Analysis

Age_Group/ Procedure_Description	20-30		30-40		40-50		50-60		60-70		70+...		Unknown		Total	
	Procedure	% Procedure	Procedure	% Procedure	Procedure	% Procedure	Procedure	% Procedure	Procedure	% Procedure	Procedure	% Procedure	Procedure	% Procedure	Procedure	% Procedure
Assessment of health and social care needs (procedure)	227	0.48%	126	0.26%	4	0.01%	894	1.87%	1519	3.18%	1279	2.68%	547	1.15%	4596	9.64%
Hospice care (regime/therapy)	430	0.90%	73	0.15%	7	0.01%	883	1.85%	1172	2.46%	1161	2.43%	372	0.78%	4098	8.59%
Depression screening (procedure)	183	0.38%	90	0.19%	4	0.01%	722	1.51%	1215	2.55%	1031	2.16%	369	0.77%	3614	7.58%
Depression screening using Patient Health Questionnaire Two-Item score (procedure)	183	0.38%	90	0.19%	4	0.01%	722	1.51%	1215	2.55%	1031	2.16%	369	0.77%	3614	7.58%
Assessment of substance use (procedure)	147	0.31%	88	0.18%	4	0.01%	579	1.21%	938	1.97%	765	1.60%	385	0.81%	2906	6.09%
Renal dialysis (procedure)							488	1.02%	919	1.93%	172	0.36%	1167	2.45%	2746	5.76%
Assessment using Morse Fall Scale (procedure)	119	0.25%	59	0.12%	2	0.00%	440	0.92%	775	1.62%	706	1.48%	321	0.67%	2422	5.08%
Assessment of anxiety (procedure)	122	0.26%	70	0.15%	2	0.00%	459	0.96%	741	1.55%	664	1.39%	230	0.48%	2288	4.80%
Medication Reconciliation (procedure)	110	0.23%	70	0.15%	4	0.01%	446	0.93%	751	1.57%	631	1.32%	272	0.57%	2284	4.79%
Screening for drug abuse (procedure)	68	0.14%	46	0.10%	2	0.00%	275	0.58%	480	1.01%	407	0.85%	206	0.43%	1484	3.11%
Screening for domestic abuse (procedure)	75	0.16%	40	0.08%	1	0.00%	293	0.61%	460	0.96%	398	0.83%	165	0.35%	1432	3.00%
Assessment using Alcohol Use Disorders Identification Test - Consumption (procedure)	79	0.17%	42	0.09%	2	0.00%	304	0.64%	458	0.96%	358	0.75%	179	0.38%	1422	2.98%
Electrical cardioversion	54	0.11%	7	0.01%			257	0.54%	489	1.03%	487	1.02%	89	0.19%	1383	2.90%
Auscultation of the fetal heart	42	0.09%	103	0.22%			196	0.41%	298	0.62%	320	0.67%	106	0.22%	1065	2.23%
Evaluation of uterine fundal height	42	0.09%	103	0.22%			196	0.41%	298	0.62%	320	0.67%	106	0.22%	1065	2.23%
Movement therapy (regime/therapy)	150	0.31%	10	0.02%			450	0.94%			200	0.42%	80	0.17%	890	1.87%
Total	2618	5.49%	1582	3.32%	58	0.12%	9568	20.06%	14773	30.97%	13056	27.37%	6046	12.67%	47701	100.00%

Patient Name	# Procedure	Patient_Paid	Age
⊕ Gail741 Glover433	759	£17.36M	67
⊕ Eugene421 Abernathy524	828	£14.19M	98
⊕ Tonisha838 Shields502	96	£7.94M	0
⊕ Alexandria361 Heaney114	361	£6.22M	65
⊕ Treena759 Williamson769	602	£5.88M	0
⊖ Elli820 Grady603	196	£5.77M	37
Auscultation of the fetal heart	36	£0.62M	34
Evaluation of uterine fundal height	36	£0.62M	34
Hemoglobin / Hematocrit / Platelet count	8	£0.29M	34
Standard pregnancy test	6	£0.25M	36
Ultrasound scan for fetal viability	6	£0.25M	36
Blood typing RH typing	4	£0.22M	33
Chlamydia antigen test	4	£0.22M	33
Cytopathology procedure preparation of smear genital source	4	£0.22M	33
Gonorrhea infection test	4	£0.22M	33
Hepatitis B Surface Antigen Measurement	4	£0.22M	33
Hepatitis C antibody test	4	£0.22M	33
Human immunodeficiency virus antigen test	4	£0.22M	33
Measurement of Varicella-zoster virus antibody	4	£0.22M	33
Physical examination of mother	4	£0.22M	33
Rubella screening	4	£0.22M	33
Total	47701	£250.36M	98

AgeGroup Encounter_DESCRIPTION	1-20		20-30		30-40		40+
	#Encounter	Reveune	#Encounter	Reveune	#Encounter	Reveune	#Encounter
Urgent care clinic (procedure)			12	£2,798.96	26	£6,563.08	26
Prenatal visit	1	£1,785.00	346	£3,929,906.22	518	£6,178,729.14	161
Encounter for check up (procedure)	1	£357.55	30	£14,890.07	50	£13,515.71	114
Encounter for problem			23	£18,354.07	41	£884,266.28	75
General examination of patient (procedure)			43	£47,873.87	109	£117,160.14	190
Prenatal initial visit	2	£78,631.61	77	£2,975,463.93	80	£3,793,828.16	36
Encounter for 'check-up'			6	£513.30	20	£22,026.40	83
Emergency Encounter					5	£1,546.90	4
Patient encounter procedure			117	£506,883.61	244	£1,292,468.47	292
Encounter for problem (procedure)			70	£10,731.92	210	£25,515.86	140
Emergency room admission (procedure)			23	£89,709.84	48	£141,177.01	49
Patient encounter procedure (procedure)			108	£150,781.96	142	£397,267.36	67
Stroke							2
Encounter for symptom	1	£6,960.35	136	£167,466.53	230	£106,655.15	229
Admission to intensive care unit (procedure)					1	£3,517.77	1
Follow-up visit (procedure)							13
Consultation for treatment	4	£643.98	97	£124,825.11	211	£299,100.31	156
Outpatient procedure			54	£646,816.54			
Total	10	£97,548.66	1341	£9,168,098.98	2323	£14,031,569.02	2034

Encounters

Procedures

Patients

Procedures

• Almost **60%** Patient came for procedure are **60+ years** old.

• **20%** Patients aged from **50-60** years.

• **15%** procedure was done for Depression Issues and **10%** of them are Old people of **60+ years**. Old people are suffering from Depression. Maybe it could happen for loneliness.

• Patient named **Gail741 Glover433** has done procedures for **15** different reasons. This Patient paid **17.36M** for procedure. His is of **67**.

• A patient who is just **37** years old, **Elli820 Grady603** has done **196** procedures from just her 30-37.

Encounters

• From **Urgent Care clinic**, **23M** Revenue collected which is **20%** of total revenue.

• And people of **70+** ages have contributed **21M** of this.

• 2nd largest revenue came from from pregnant women, **12M**, **10 %** of Total in their 30-40.