



# **SOLVER** for Healthcare Providers

| Get Complete Insight

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## Introduction

The purpose of this white paper is to provide an overview of Solver. With frequent, automated cloud updates, the solution is continuously being enhanced to drive faster, better decisions across its global customer base. For the latest information or to discuss your specific needs, please contact your local Solver partner, visit Solver's [website](#) or email us at [info@solverglobal.com](mailto:info@solverglobal.com).

Check out the [Solver Showcase](#) page for hundreds of reporting, planning, and dashboard examples. Ready to see Solver in action? [Take the interactive Tour](#).

## Product Summary

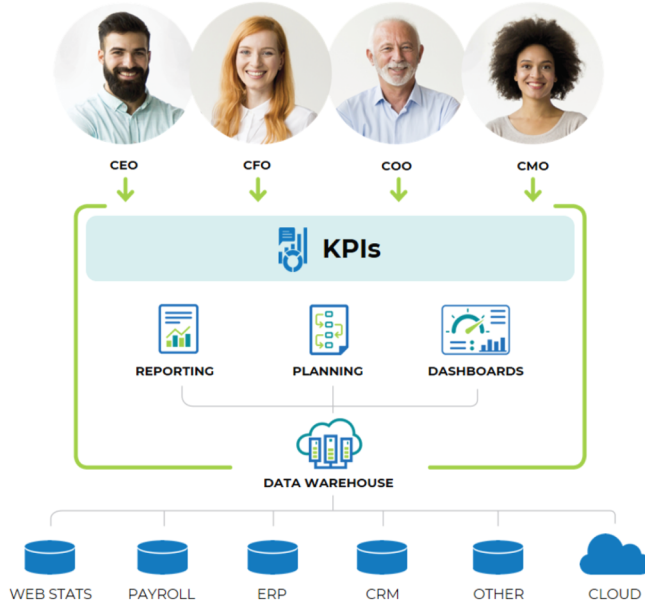
Solver provides a single, cloud-based solution that automates reporting and planning processes and supports faster and better decisions based on key information from across the organization's data sources.

Key benefits that Solver provides include:

- A top-rated [Corporate Performance Management \(CPM\) solution](#) by G2 based on user satisfaction
- Global partner channel with industry expertise to help you whenever and wherever
- Cloud software, support, and upgrades packaged into a subscription price providing unmatched ROI over traditional CPM solutions
- Built for business users to manage the entire solution without the need for developers
- Executive and management data from across the organization that is easily accessible in ONE place with Solver's intelligent data warehouse
- Solver's multi-tenant cloud application provides quick initiation, SOC 2 compliance, automatic software upgrades, and scalability at one's convenience
- Solver provides the power and the familiarity of cloud-connected Excel to solve the most complex formula and layout requirements for reporting and planning template designers
- Easy-to-use, pre-built integration to Power BI, the world's #1 visualization solution
- Fast and cost-effective integrations provided with Solver's wizard-driven CSV, SQL, and prebuilt ERP/CRM Connectors
- ONE DAY implementations available (on select ERPs), offering fastest time to value
- Unlimited access to reports and dashboards from secure web portal
- Hybrid cloud option provides customers with real-time cloud reporting capabilities for their on-premises ERP system



Solver provides key insights across the organization



## Complete Insight...

Faster, Better Decisions

### Key Benefits

- Single cloud portal and database
- Rapid configuration with Templates
- Quick time to value
- Combines the best of CPM and BI

### Solver Apps

- Process automation
- KPIs and Alerts
- Dashboards
- Reporting & Consolidation
- Budgeting & Forecasting
- Intelligent Data Warehouse
- Marketplace with Templates
- Data source connectors



## Company Summary

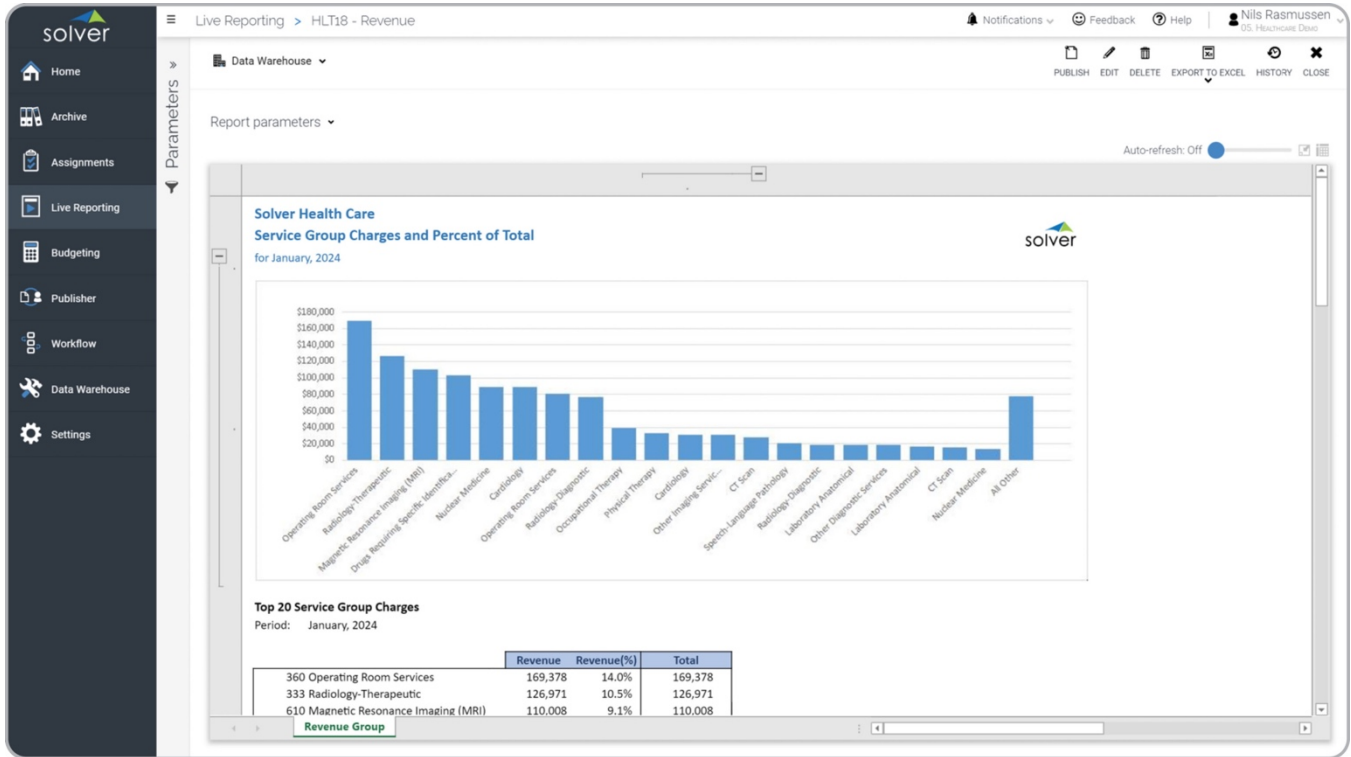
Solver, Inc. is redefining the category of cloud-based reporting and planning. The Solver solution is built to enable faster and better business decisions across the entire organization. Solver combines financial and other key data into a single tool, powered by the most flexible report and planning form designer on the market.

Organizations use this solution to automate and streamline financial and operational reports, consolidations, and budgeting and forecasting processes. Solver empowers users with complete insight that drives intelligent decisions and competitive advantages.

Headquartered in the United States, Solver, Inc. has more than a dozen offices and hundreds of partners globally that provide local and industry expertise. To learn more, visit [www.solverglobal.com](http://www.solverglobal.com).

# HLT18 – Revenue Report by Service Group

This example is a Revenue Report by top 20 Service Group Charge.



# HLT19 – Monthly Billing Summaries

This example is a Monthly Billing report by Insurance Company, ordered by Billing Amount.

Live Reporting > HLT19 - Monthly Billing Summaries

Data Warehouse

Report parameters

Auto-refresh: Off

Solver Health Care  
Monthly Billing Reports  
for 2024

Monthly Billings by Insurance Company  
ordered by Billing Amount

	January	February	March	April	May	June	July	August	September	October	November	December	Total	Percent of Total
1 Self Pay	97,817	197,566	105,512	231,030	198,081	107,935	102,292	74,699	186,037	282,474	109,501	206,261	1,899,606	13.9%
10 HealthNet-PPO	45,080	49,992	69,324	35,031	31,349	44,713	90,822	160,354	62,039	31,984	53,742	47,499	721,928	5.3%
11 HealthNet-HMO	39,368	30,220	55,944	96,575	39,183	19,903	50,648	69,861	37,601	150,673	73,321	31,619	694,915	5.1%
12 United Health PPO	25,715	138,260	114,147	59,170	13,283	23,391	71,770	42,627	26,178	38,262	195,852	85,290	833,945	6.1%
13 United Health-HMO	183,598	52,417	224,801	32,748	45,693	55,662	63,818	60,310	32,449	70,488	201,820	42,590	1,066,393	7.8%
14 Other HMO	102,426	68,356	85,341	172,277	67,554	82,186	107,538	122,242	51,793	125,806	96,500	78,151	1,160,170	8.5%
15 Other PPO	105,115	80,835	39,007	113,857	94,736	149,364	103,584	101,864	130,804	107,946	76,664	95,178	1,198,953	8.7%
16 Workers Comp	68,376	97,780	82,292	40,301	87,264	39,800	69,409	45,242	88,479	57,310	119,425	149,410	945,088	6.9%
2 Medicare	49,319	35,402	32,484	31,636	27,853	30,833	26,010	44,250	21,313	86,544	28,949	28,492	443,085	3.2%
3 Medi-Cal	36,125	25,152	14,956	17,569	54,929	98,341	11,219	30,465	48,293	28,099	21,046	44,729	430,923	3.1%
4 Aetna HMO	59,756	20,763	51,804	33,076	54,695	56,358	81,338	24,377	43,882	23,290	138,287	46,933	634,559	4.6%
5 Aetna PPO	44,169	49,111	55,737	48,193	36,049	81,853	50,632	52,383	41,629	33,379	38,285	42,063	573,483	4.2%
6 Anthem Blue Cross HMO	74,990	101,515	92,158	105,536	73,877	88,746	98,566	82,313	63,677	97,718	46,033	93,729	1,018,858	7.4%
7 Anthem Blue Cross PPO	82,936	155,960	51,323	73,433	49,819	72,741	95,553	41,401	42,031	236,910	65,321	61,589	1,029,017	7.5%
8 Blue Shield PPO	10,397	14,757	20,059	46,575	9,404	51,638	11,466	23,725	109,215	20,248	54,867	22,440	394,792	2.9%
9 Blue Shield-HMO	183,831	33,558	21,648	37,059	81,627	33,039	54,715	36,780	31,510	52,298	58,819	32,624	657,509	4.8%
<b>Total</b>	<b>1,209,018</b>	<b>1,151,643</b>	<b>1,116,538</b>	<b>1,174,067</b>	<b>965,395</b>	<b>1,036,502</b>	<b>1,089,379</b>	<b>1,012,896</b>	<b>1,016,929</b>	<b>1,443,428</b>	<b>1,378,831</b>	<b>1,108,597</b>	<b>13,703,224</b>	<b>100.0%</b>

Monthly Billings by Biller  
ordered by Billing Amount

Monthly Billing Summaries

# HLT20 – Monthly Group Summaries

This example is a Monthly Group Summaries report, ordered by Billing Amount.

**Monthly Group Summaries**

Monthly Billings by Insurance Company ordered by Billing Amount		Monthly Charges by Insurance Company ordered by Charges		Monthly Collections by Insurance Company ordered by Collections						
	Total		Total	January	February	March	April	May	June	
Self Pay	1,899,606	Self Pay	1,899,606	45,659	92,231	54,817	135,459	52,065	54,441	
HealthNet-PPO	721,928	HealthNet-PPO	1,443,856	37,875	44,853	52,824	27,473	23,192	36,364	
HealthNet-HMO	694,915	HealthNet-HMO	1,389,830	33,793	24,376	47,061	83,005	33,033	16,387	
United Health PPO	833,945	United Health PPO	1,516,264	20,782	127,827	99,195	53,101	10,636	21,218	
United Health-HMO	1,066,393	United Health-HMO	1,777,321	168,278	43,383	217,913	25,102	38,166	44,641	
Other HMO	1,160,170	Other HMO	1,657,385	85,754	56,153	72,655	149,740	59,377	65,575	
Other PPO	1,198,953	Other PPO	1,498,691	90,778	68,924	32,370	95,345	81,981	142,070	
Workers Comp	945,088	Workers Comp	1,350,125	57,332	85,268	61,767	34,280	81,032	31,303	
Medicare	443,085	Medicare	1,476,951	42,238	32,667	30,075	24,373	21,447	26,682	
Medi-Cal	430,923	Medi-Cal	2,154,613	28,308	20,215	13,166	15,477	41,002	77,870	
Aetna HMO	634,559	Aetna HMO	1,586,398	49,996	16,093	45,145	27,343	48,320	46,452	
Aetna PPO	573,483	Aetna PPO	1,146,965	37,862	41,879	46,014	38,392	28,196	66,046	
Anthem Blue Cross HMO	1,018,858	Anthem Blue Cross HMO	2,037,716	63,018	82,602	74,426	84,751	68,996	74,022	
Anthem Blue Cross PPO	1,029,017	Anthem Blue Cross PPO	1,715,029	70,719	137,961	46,785	58,088	40,957	65,234	
Blue Shield PPO	394,792	Blue Shield PPO	1,315,974	9,405	11,969	16,565	38,873	7,659	38,449	
Blue Shield-HMO	657,509	Blue Shield-HMO	1,643,773	147,360	27,055	18,903	30,328	64,220	26,623	
<b>Total</b>	<b>13,703,224</b>	<b>Total</b>	<b>25,610,499</b>	<b>989,157</b>	<b>913,456</b>	<b>929,682</b>	<b>921,131</b>	<b>700,280</b>	<b>833,377</b>	

Monthly Billings by Biller ordered by Billing Amount		Monthly Charges by Biller ordered by Charges		Monthly Collections by Biller ordered by Collections						
	Total		Total	January	February	March	April	May	June	
Anne Polly	1,649,327	Anne Polly	3,176,057	69,661	90,816	83,464	108,079	95,095	91,858	

# HLT22 – Monthly Charge Summaries

This example is a Monthly Charge Summaries report by Insurance Company, ordered by Billing Amount.

**Solver Health Care**  
**Monthly Charge Reports**  
 for 2024

**Monthly Charges by Insurance Company**  
 ordered by Charges

	January	February	March	April	May	June	July	August	September	October	November	December	Total	Percent of Total
<b>Total</b>	<b>2,360,052</b>	<b>2,025,057</b>	<b>2,041,376</b>	<b>2,056,142</b>	<b>1,821,560</b>	<b>2,185,969</b>	<b>1,983,145</b>	<b>1,949,944</b>	<b>1,996,589</b>	<b>2,573,841</b>	<b>2,615,666</b>	<b>2,001,158</b>	<b>25,610,499</b>	<b>100.0%</b>

**Monthly Charges by Biller**  
 ordered by Charges

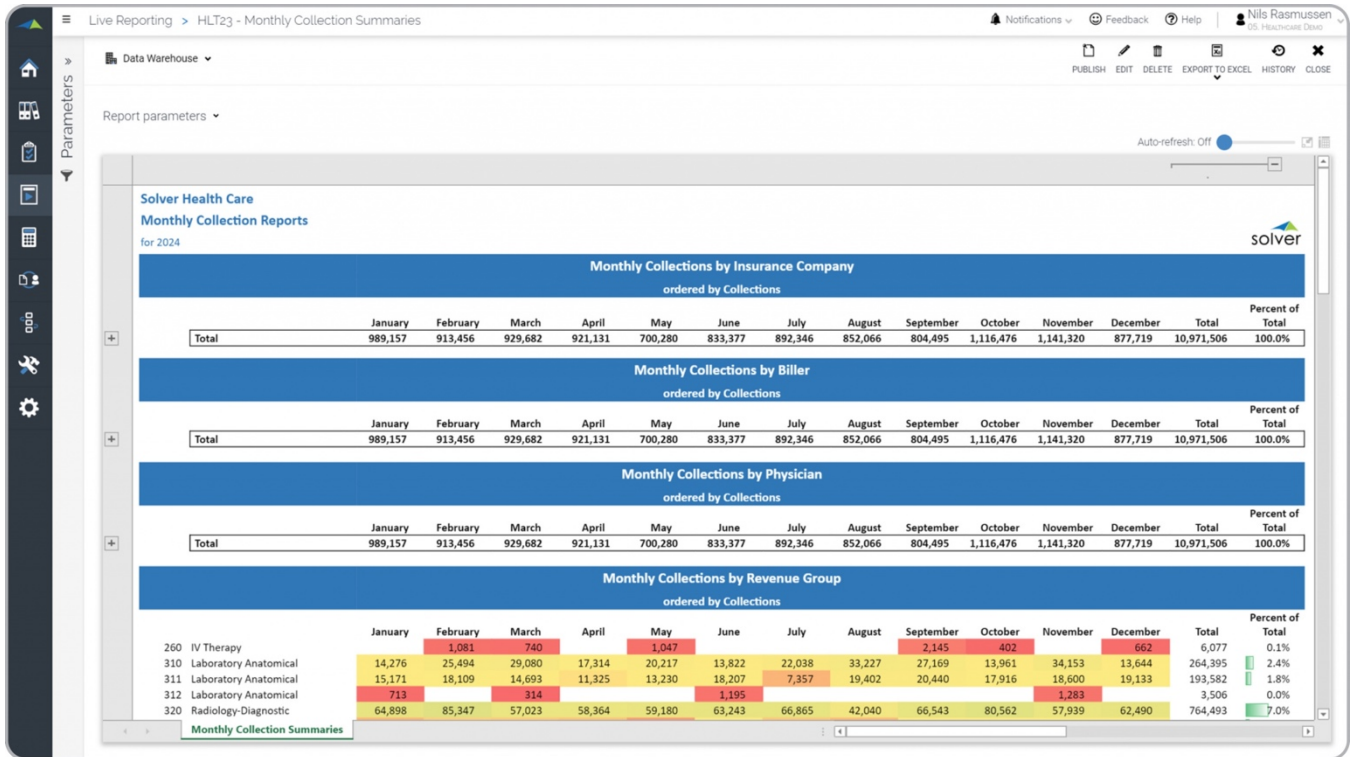
	January	February	March	April	May	June	July	August	September	October	November	December	Total	Percent of Total
<b>Total</b>	<b>2,360,052</b>	<b>2,025,057</b>	<b>2,041,376</b>	<b>2,056,142</b>	<b>1,821,560</b>	<b>2,185,969</b>	<b>1,983,145</b>	<b>1,949,944</b>	<b>1,996,589</b>	<b>2,573,841</b>	<b>2,615,666</b>	<b>2,001,158</b>	<b>25,610,499</b>	<b>100.0%</b>

**Monthly Charges by Physician**  
 ordered by Charges

	January	February	March	April	May	June	July	August	September	October	November	December	Total	Percent of Total
1000 Dr Murry	53,600	88,218	338,528	63,748	42,604	62,005	94,767	61,959	50,407	44,132	154,729	62,960	1,117,657	4.4%
1001 Dr Jones	50,202	38,491	69,795	86,732	204,882	65,482	42,647	163,380	123,082	22,690	322,648	86,091	1,276,122	5.0%
1002 Dr Tiffany	87,742	97,303	176,769	72,738	196,863	211,647	111,621	182,960	104,418	98,855	79,000	67,652	1,487,567	5.8%
1003 Dr Bambi	98,143	119,930	68,364	93,842	78,566	89,223	195,466	103,464	99,844	66,944	115,050	126,950	1,255,785	4.9%
1004 Dr Bruno	142,703	148,233	125,624	235,010	124,659	244,702	148,972	171,099	245,332	354,416	572,285	241,034	2,754,069	10.8%
1005 Dr Jill	182,867	521,512	224,547	291,374	193,637	217,067	198,009	335,249	161,375	213,573	143,378	285,801	2,968,391	11.6%
1006 Dr Dennis	374,838	189,323	213,079	281,477	186,681	462,817	293,414	198,775	207,333	156,170	248,093	278,726	3,090,726	12.1%
1007 Dr Grey	312,741	231,705	271,350	207,323	297,083	339,537	227,779	140,799	206,876	479,028	349,849	237,768	3,301,839	12.9%
1008 Dr Smith	537,163	301,617	284,307	309,094	248,861	279,146	343,569	225,191	243,757	359,743	254,308	242,929	3,629,685	14.2%
1009 Dr Robert	520,054	288,725	269,012	414,805	247,724	214,343	326,902	367,069	554,164	778,291	376,324	371,245	4,728,658	18.5%
<b>Total</b>	<b>2,360,052</b>	<b>2,025,057</b>	<b>2,041,376</b>	<b>2,056,142</b>	<b>1,821,560</b>	<b>2,185,969</b>	<b>1,983,145</b>	<b>1,949,944</b>	<b>1,996,589</b>	<b>2,573,841</b>	<b>2,615,666</b>	<b>2,001,158</b>	<b>25,610,499</b>	<b>100.0%</b>

## HLT23 – Monthly Collection Summaries

This example is a Monthly Collection Summaries report by Insurance Company, ordered by Billing Amount.





# HLT24 – Collection Rate

This example is a Collection Rate report by Insurance Company, ordered by Billing Amount.

**Solver Health Care  
Collection Rate Reports  
for 2024**

**Monthly Collection Rate by Insurance Company**  
ordered by Billing Amount

	January	February	March	April	May	June	July	August	September	October	November	December	Total
<b>Total</b>	82%	82%	83%	81%	79%	81%	82%	84%	83%	82%	83%	84%	82%

**Monthly Collection Rate by Biller**  
ordered by Billing Amount

	January	February	March	April	May	June	July	August	September	October	November	December	Total
<b>Total</b>	81%	79%	82%	79%	78%	82%	83%	83%	80%	80%	81%	80%	81%

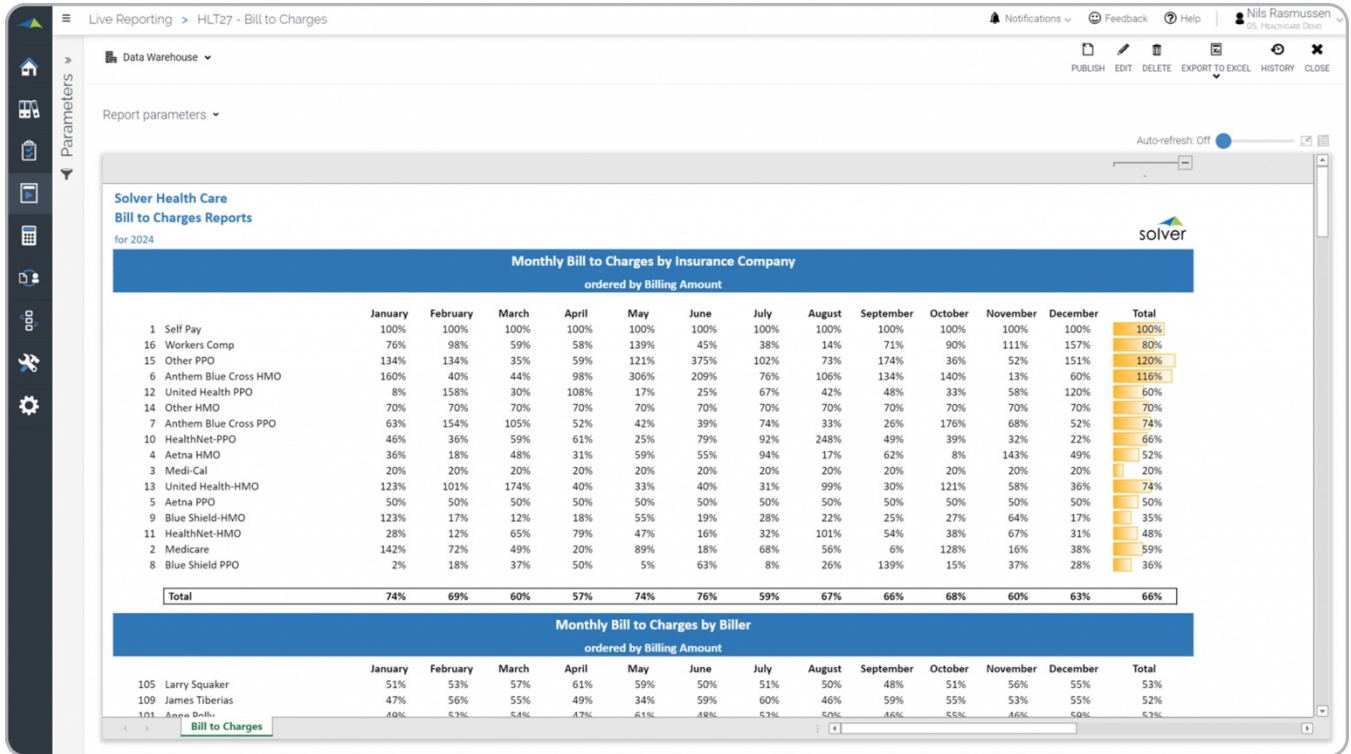
**Monthly Collection Rate by Physician**  
ordered by Billing Amount

	January	February	March	April	May	June	July	August	September	October	November	December	Total
1009 Dr Robert	81%	77%	79%	83%	85%	81%	89%	82%	81%	81%	83%	88%	82%
1004 Dr Bruno	89%	79%	82%	66%	72%	76%	74%	77%	82%	81%	86%	56%	77%
1006 Dr Dennis	83%	84%	81%	75%	79%	79%	79%	90%	79%	77%	78%	80%	80%
1008 Dr Smith	76%	82%	85%	83%	82%	87%	76%	74%	82%	85%	78%	87%	81%
1007 Dr Grey	83%	72%	80%	79%	87%	84%	88%	81%	65%	64%	79%	88%	79%
1005 Dr Jill	87%	90%	78%	80%	76%	78%	83%	92%	82%	87%	73%	77%	82%
1003 Dr Bambi	88%	45%	83%	73%	81%	64%	89%	90%	71%	84%	80%	88%	78%
1001 Dr Jones	78%	91%	94%	89%	75%	80%	87%	80%	82%	62%	96%	75%	82%
1000 Dr Murry	75%	89%	97%	83%	84%	79%	80%	82%	81%	79%	85%	72%	82%
1002 Dr tiffany	86%	73%	72%	65%	30%	86%	75%	91%	88%	83%	81%	81%	76%
<b>Total</b>	83%	78%	83%	77%	75%	79%	82%	84%	79%	78%	82%	79%	80%

**Monthly Collection Rate by Revenue Group**  
ordered by Billing Amount

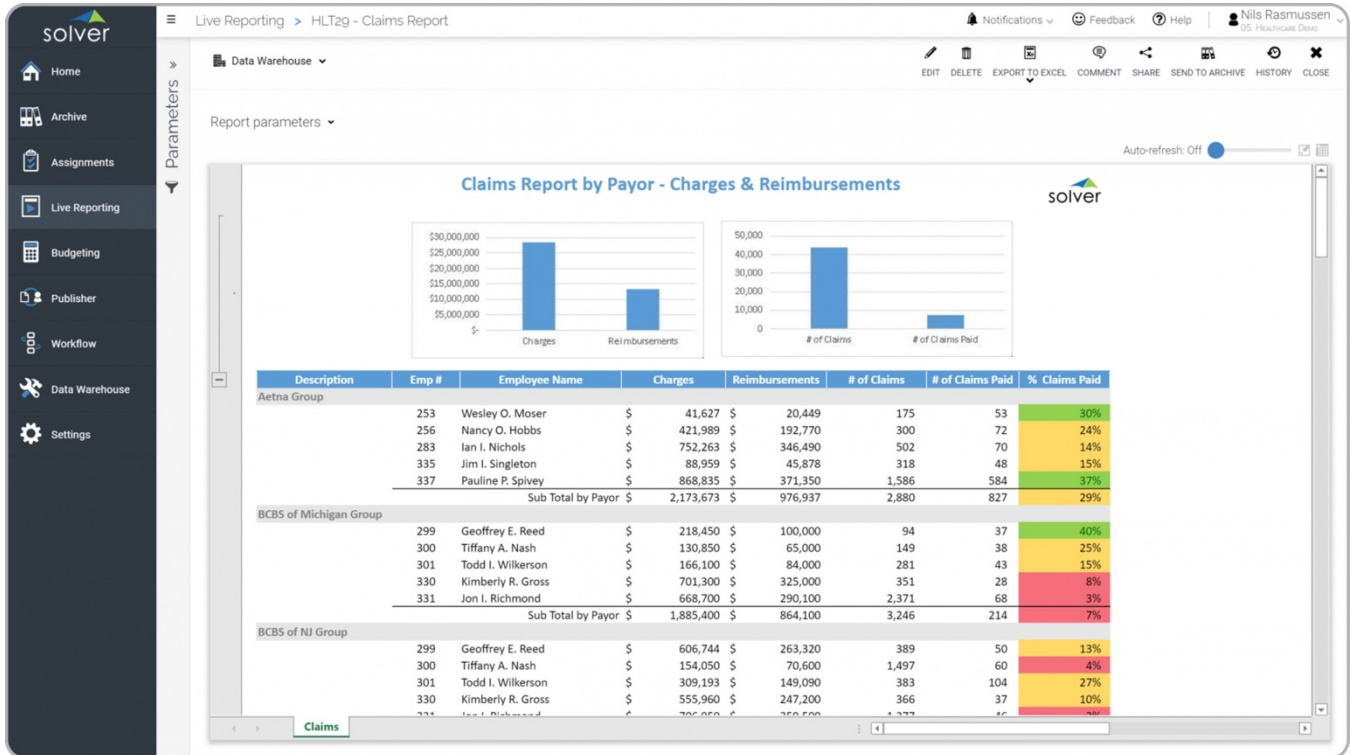
# HLT27 – Bill to Charges

This example is a Bill to Charges report, ordered by Billing Amount.



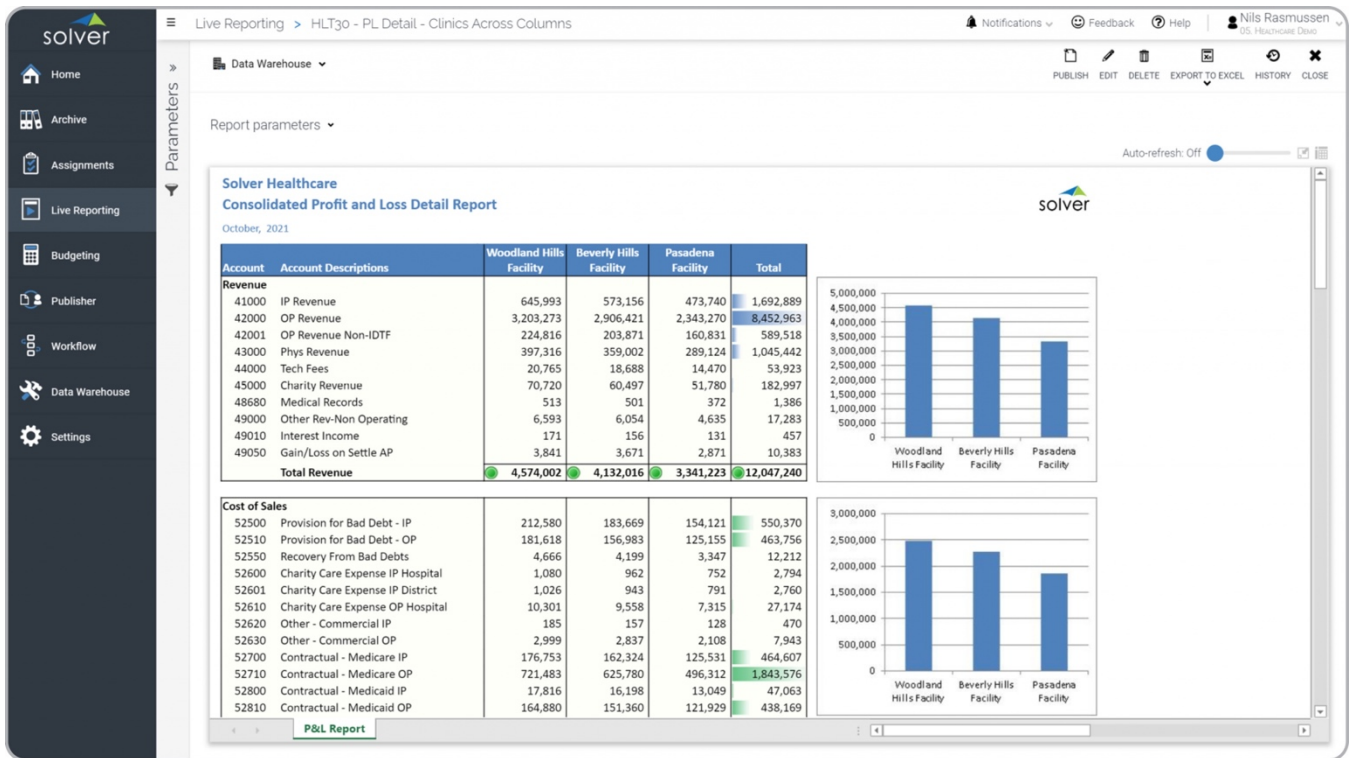
## HLT29 – Claims Report

This example is a Claims Report. It reports claims at the employee level by Insurance Company.



## HLT30 – Profit & Loss Detail – Clinics Across Columns

This example is a consolidated Profit & Loss report showing revenues, expenses, and profit in the rows and facilities (clinics) across the columns with a total on the right.



## HLT31 – 3 Year Profit & Loss

This example is a 3-year Profit & Loss report with the following KPIs:

- Number of Patients Billed
- Average Charge per Patient
- RVUs
- RVUs per Patient
- Revenue (DOS)
- Collections (DOS)
- Collection per Patient
- Collection per RVU
- AR Resolved Percentage
- Target Physician Hourly Rate
- Actual Physician Hourly Rate

**Solver Healthcare Statement of Operations**  
Locations: '1','2','3'  
June, 2021

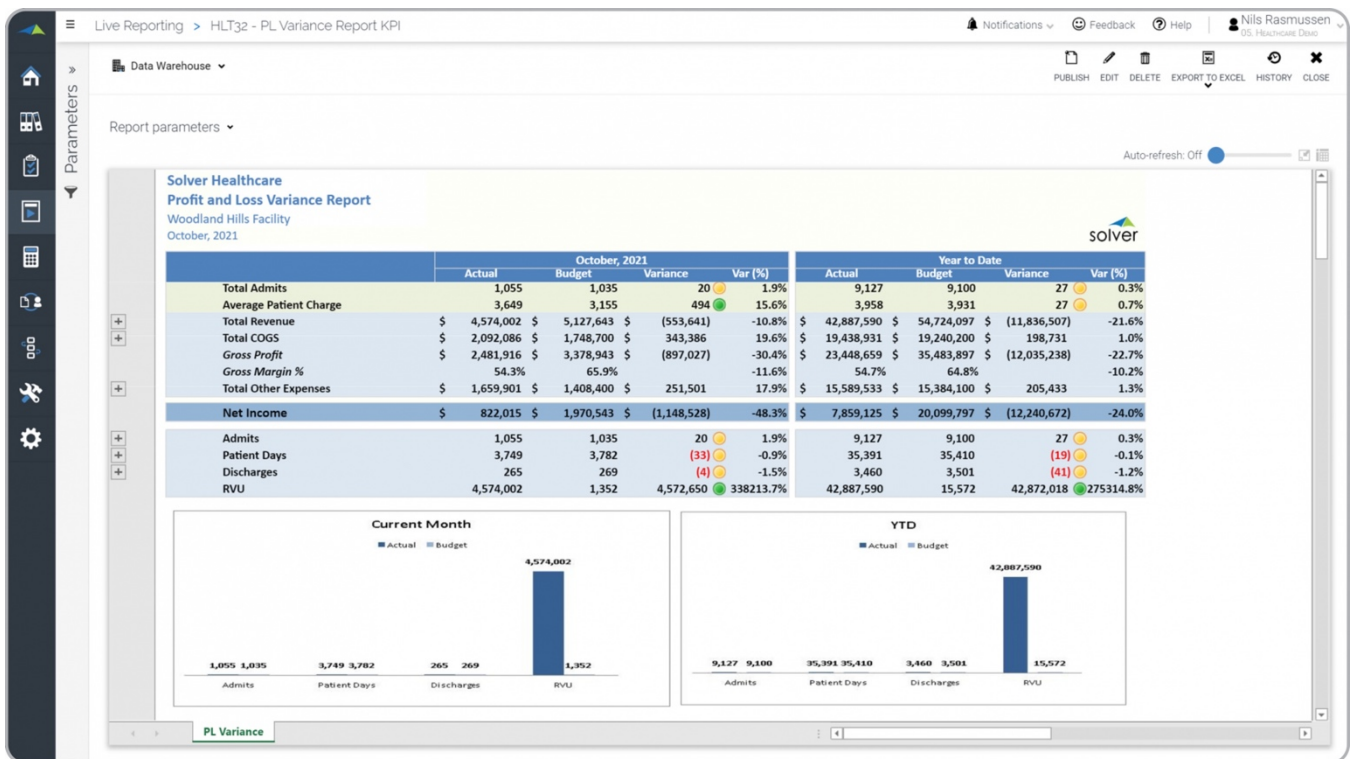
	January Actual	February Actual	March Actual	April Actual	May Actual	June Actual	YTD	AVG
<b>Patient Volume</b>	2,706	2,221	1,673	2,492	2,377	2,490	13,959	13,959
<b>Average Patient Charge</b>	4,249	5,419	7,406	5,076	4,895	4,188	31,233	31,233
IP Revenue	1,635,058	1,699,281	1,746,142	1,763,000	1,626,209	1,475,350	9,945,040	9,945,040
OP Revenue	8,063,244	8,435,861	8,713,205	8,901,272	8,167,307	7,318,637	49,599,625	49,599,625
OP Revenue Non-IDTF	552,948	588,920	601,208	626,660	571,600	509,928	3,451,264	3,451,264
Phys Revenue	994,135	1,043,554	1,060,304	1,082,478	1,010,090	894,954	6,085,514	6,085,514
Tech Fees	48,931	54,361	53,209	55,748	51,577	46,178	310,005	310,005
Charity Revenue	174,011	183,120	185,580	189,524	180,909	158,749	1,071,893	1,071,893
Medical Records	1,373	1,368	1,424	1,458	1,329	1,228	8,181	8,181
Other Rev-Non Operating	16,780	17,556	17,782	18,429	16,675	14,781	102,002	102,002
Interest Income	457	477	479	488	455	413	2,768	2,768
Gain/Loss on Settle AP	9,877	10,213	10,578	10,868	9,883	8,850	60,269	60,269
<b>Total Revenue</b>	<b>11,496,914</b>	<b>12,034,711</b>	<b>12,389,909</b>	<b>12,649,926</b>	<b>11,636,034</b>	<b>10,429,067</b>	<b>70,636,561</b>	<b>70,636,561</b>
<b>Total COGS</b>	<b>5,228,557</b>	<b>5,466,607</b>	<b>5,628,512</b>	<b>5,693,407</b>	<b>5,291,715</b>	<b>4,732,599</b>	<b>32,041,397</b>	<b>32,041,397</b>
<b>Gross Profit</b>	<b>6,268,357</b>	<b>6,568,104</b>	<b>6,761,398</b>	<b>6,956,519</b>	<b>6,344,319</b>	<b>5,696,468</b>	<b>38,595,164</b>	<b>38,595,164</b>
<b>Gross Profit Margin %</b>	<b>54.52%</b>	<b>54.58%</b>	<b>54.57%</b>	<b>54.99%</b>	<b>54.52%</b>	<b>54.62%</b>	<b>54.64%</b>	<b>54.64%</b>
<b>Total Other Expenses</b>	<b>4,169,877</b>	<b>4,367,118</b>	<b>4,488,848</b>	<b>4,612,390</b>	<b>4,248,631</b>	<b>3,789,988</b>	<b>25,676,852</b>	<b>25,676,852</b>
<b>Net Income</b>	<b>2,098,480</b>	<b>2,200,986</b>	<b>2,272,550</b>	<b>2,344,128</b>	<b>2,095,687</b>	<b>1,906,481</b>	<b>12,918,312</b>	<b>12,918,312</b>

2021 Year Data	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Total	AVG
2020 Year Data	Jan-20	Feb-20	Mar-20	Apr-20	May-20	Jun-20	Total	AVG
2019 Year Data	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Total	AVG
Number of Patients Billed	3,902	4,031	3,572	3,923	3,913	4,336	23,677	1,973
Average Charge per Patient	144	148	135	145	145	155	871	73
RVUs	2,252	2,381	1,922	2,273	2,263	2,686	13,777	1,148
RVUs per Patient	0.6	0.6	0.5	0.6	0.6	0.6	3.5	0.3

## HLT32 – Profit & Loss Variance Report KPI

This Profit & Loss report example shows some key statistical information on the top with Total Admits and Average Patient Charge. Below it lists revenues, expenses and profit with account level detail. In the columns, it shows Actual, Budget and Variance for the month and for year-to-date.





# HLT35 – Personnel by Account and Employee

This is a Personnel Report by Department by Facility.

Live Reporting > HLT35 - Personnel by Account and Employee

Report parameters

Personnel Compensation Report by Department  
Woodland Hills Facility  
Budget for year 2022

Employee	Title	Salary	Shift 2	Shift 3	Weekend	Call In	Call Off	PTO	Holidays	OT	Shift 2 OT	Shift 3 OT	Weekend OT	Bonus	Total Comp.
<b>Hospital - Room &amp; Board</b>															
Christy V. Lyons	Assistant	63,024	4,545												67,569
Justin P. Spencer	Associate Chair	99,424					11,950								111,374
Lucy I. Dickinson	Nurse Practitioner	76,024		7,310											83,334
Margaret U. Burgess	Technician	57,886						5,566							63,452
Miriam L. Blackburn	Dining Server	31,450									2,646				34,096
Miriam O. Wong	Dining Server	31,158								2,247					33,405
Monica O. Dodson	Janitor	34,070				3,686									37,756
Nancy O. Hobbs	Physician of Family Medicine	171,584												3,000	174,584
New Hire	Janitor	66,560										3,544	4,063		74,166
Philip L. Liu	Technician	59,654							5,736						65,390
Susan B. Abbott	Nurse Practitioner	67,642			6,504										74,146
Wesley O. Moser	Physician of Family Medicine	159,000												3,000	162,000
<b>Total Hospital - Room &amp; Board</b>		<b>917,477</b>	<b>4,545</b>	<b>7,310</b>	<b>6,504</b>	<b>3,686</b>	<b>11,950</b>	<b>5,566</b>	<b>5,736</b>	<b>2,247</b>	<b>2,646</b>	<b>3,544</b>	<b>4,063</b>	<b>6,000</b>	<b>981,272</b>
<b>Hospital - Swingbed</b>															
New Hire	Nurse Practitioner	68,640													68,640
<b>Total Hospital - Swingbed</b>		<b>68,640</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>68,640</b>
<b>Hospital - Central Supply</b>															
Christopher C. McKay	Administrative Coordinator	41,371													41,371
<b>Total Hospital - Central Supply</b>		<b>41,371</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>41,371</b>
<b>Hospital - Pharmacy</b>															
Joanna I. Middleton	Pharmacist Assistant	49,608													49,608
<b>Total Hospital - Pharmacy</b>		<b>49,608</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>49,608</b>
<b>Hospital - Lab</b>															
Brian R. Braswell	Medical Laboratory Supervisor 1	66,560													66,560
Janice E. Reid	Medical Laboratory Specialist	55,682													55,682

Personnel by Acct and Employee

## F01 – Revenue Assumptions Form

This Revenue Assumptions form captures the assumptions related to calculating out the various inpatient and outpatient revenue types. This assumption form can be run by the facility level.

**Solver Health Care**  
**Revenue Drivers**  
 'BUD' Scenario for Budget Year 2022  
 Woodland Hills Facility  
 Source  
 Budget  
 Assumptions

Driver	Map to Acct	Jan - 22	Feb - 22	Mar - 22	Apr - 22	May - 22	Jun - 22	Jul - 22	Aug - 22	Sep - 22	Oct - 22	Nov - 22	Dec - 22
IP Revenue Rate													
IP Revenue Rate													
IP Revenue Commercial Rate													
IP Revenue Commercial Rate		10.00%	9.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%
IP Revenue Medicaid Rate													
IP Revenue Medicaid Rate		71.00%	71.00%	71.00%	71.00%	71.00%	71.00%	71.00%	71.00%	71.00%	71.00%	71.00%	71.00%
IP Revenue Medicare Rate													
IP Revenue Medicare Rate		18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%
IP Revenue Other Rate													
IP Revenue Other Rate		1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%	1.00%
		100%	99%	100%	100%	100%	100%	100%	100%	100%	100%	100%	100%
OP Revenue Rate													
OP Revenue Rate													
OP Revenue Commercial Rate													
OP Revenue Commercial Rate		32.00%	32.00%	32.00%	32.00%	32.00%	32.00%	32.00%	32.00%	32.00%	32.00%	32.00%	32.00%
OP Revenue Medicaid Rate													
OP Revenue Medicaid Rate		18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%	18.00%
OP Revenue Medicare Rate													
OP Revenue Medicare Rate		38.00%	38.00%	38.00%	38.00%	38.00%	38.00%	38.00%	38.00%	38.00%	38.00%	38.00%	38.00%
OP Revenue Other Rate													
OP Revenue Other Rate		12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%	12.00%

## F02 – Revenue Form

This Revenue Assumptions form captures the assumptions related to calculating out the various inpatient and outpatient revenue types. This assumption form can be run by the facility level.

*Note: Only a part of the form is displayed below.*

**Solver Health Care**  
**Patient Revenue Form**  
 'BUD' for Year 2022  
 Woodland Hills Facility  
 Hospital - Room & Board

Description	Account	Jan - 22	Feb - 22	Mar - 22	Apr - 22	May - 22	Jun - 22	Jul - 22	Aug - 22	Sep - 22	Oct - 22	Nov - 22	Dec - 22
<b>Gross Patient Revenue</b>													
<i>Inpatient Revenue</i>													
Charge Unit	41000	560	560	560	560	560	560	560	560	560	560	560	560
Unit Increase (%)	41000	1	3	0	2	0	0	3	4	3	3	2	
Charge Rate	41000	291	291	291	291	291	291	291	291	291	291	291	291
Price Increase (%)	41000	2	0	0	4	0	3	1	5	2	0	1	
Revenue Change IP	41000	815,394	554,468	25,277	2,283,102	25,277	521,852	1,141,551	4,729,283	1,793,866	554,468	815,394	25,277
Revenue Calculation IP	41000	978,472	717,546	188,356	2,446,181	188,356	684,931	1,304,630	4,892,361	1,956,945	717,546	978,472	188,356
IP Revenue Rate	41000	-	-	-	-	-	-	-	-	-	-	-	-
IP Revenue Commercial Rate	41000	-	-	-	-	-	-	-	-	-	-	-	-
IP Revenue Medicaid Rate	41000	97,847	64,579	18,836	244,618	18,836	68,493	130,463	489,236	195,694	71,755	97,847	18,836
IP Revenue Medicare Rate	41000	694,715	509,458	133,733	1,736,788	133,733	486,301	926,287	3,473,577	1,389,431	509,458	694,715	133,733
IP Revenue Medicare Rate	41000	-	-	-	-	-	-	-	-	-	-	-	-
IP Revenue Medicare Rate	41000	176,125	129,158	33,904	440,313	33,904	123,288	234,833	880,625	352,250	129,158	176,125	33,904
IP Revenue Other Rate	41000	-	-	-	-	-	-	-	-	-	-	-	-
IP Revenue Other Rate	41000	9,785	7,175	1,884	24,462	1,884	6,849	13,046	48,924	19,569	7,175	9,785	1,884
Total Inpatient (IP) Revenue	41000	978,472	710,371	188,356	2,446,181	188,356	684,931	1,304,630	4,892,361	1,956,945	717,546	978,472	188,356
<i>Outpatient Revenue</i>													

## F03 – Personnel Assumptions Form

This is a Personnel Assumptions that captures payroll tax assumptions, days per month and increases per overtime category over salary to drive calculations in the Personnel template.

**Solver Health Care Assumption Form**

Personnel Assumptions	Account	Rate	Maximum	Medicare
FICA Expense	62110			
FUTA Tax Expense	62120	8.25%	7,000	
SUTA Tax Expense	62130	1.00%	7,000	
Employee Health Benefits	62160	600		
Worker's Comp Insurance	63000	5%		

Capital Assumptions	Account	Life	Account	Depr Account
Land Improvement	16100	30	17100	87100
Building	16200	30	17200	87200
Fixed Equipment - Cost	16400	10	17400	87400
Major Moveable Equipment	16500	10	17500	87500
Minor Equipment	16600	5	17600	87600

Days per Month	Days/Month
<b>Total Days</b>	<b>365</b>

Increases per Overtime Category over Salary	Increase Factor
Shift 2	85.00%
Shift 3	95.00%
Weekend Shift	100.00%
Call-In	100.00%
Call-Off	100.00%
PTO	100.00%
Holidays Worked	100.00%
OT	50.00%
Shift 2 OT	75.00%
Shift 3 OT	75.00%
Weekend Shift OT	85.00%



## F05 – Capital Expenditures

This Capital form is used to budget for capital accounts. Based on the purchase month and the capital related assumptions brought over from the assumptions form, depreciation gets automatically calculated and stored.

The screenshot displays the 'F05 Capital Expenditures' form within the Solver Health Care system. The interface includes a navigation sidebar on the left, a top menu bar with options like 'Notifications', 'Feedback', and 'Help', and a main data area. The data area shows a 'Capital Budget' for 'Woodland Hills Facility' with a budget of '1 BUD'. The main table lists various capital accounts such as 'Building', 'Land Improvement', and 'EHR Software & Hardware', detailing their purchase months, amounts, and quantities. It also provides a monthly breakdown of capital expenditures from January to July, along with a total capital summary and a variance analysis comparing the current budget to the prior year's actuals.

Account Description	Department	Description	Life	Purchase Month	Amount	Quantity	Capital Jan	Capital Feb	Capital Mar	Capital Apr	Capital May	Capital Jun	Capital Jul	Capital Aug
Building	Clinic 3 - Clinic Services	For expansion	360	JAN	50,000	2	100,000	0	0	0	0	0	0	0
Building	Clinic 3 - Non Clinic Svcs		360	FEB	50,000	3	0	150,000	0	0	0	0	0	0
Land Improvement	Clinic 3 - Lab	Needed by March	360	MAR	10,000	1	0	0	10,000	0	0	0	0	0
Total Capital All Departments							100,000	150,000	10,000	0	0	0	0	0
Prior Year Actual/Estimate							116,103	122,206	126,610	128,790	119,574	103,428	103,359	103,359
% Variance							-14%	23%	-92%	-100%	-100%	-100%	-100%	-100%
Depreciation - Land Imp	Hospital - General						0	0	0	0	0	0	0	0
Depreciation - Land Imp	Hospital - Room & Board						0	0	0	0	0	0	0	0



## F06 – Operating Expenses

This Operating Expenses form is used to budget for operating expense accounts by Department. Various spreading methods are available to assist with manual entry.

Spreading can be based upon prior year actuals/budget as a baseline and percentage adjustments can be made, even spreading and custom spreading can be applied for each account as well.

Line item details and comments can be added to provide additional detail that a chart of account normally won't support. Prior year actuals is easily accessible on the side so that it can be used to determine the budget amounts.

The screenshot shows a software interface for budgeting. The main window displays a table titled "Solver Health Care Other Expenses" with the following structure:

Acct	Description	LID	Budget Jan	Budget Feb	Budget Mar	Budget Apr	Budget May	Budget Jun	Budget Jul	Budget Aug	Budget Sep	Budget Oct	Budget Nov	Budget Dec	2023 Total
64000	Payroll Service Fees		1,000	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	1,250	14,750
64100	Pre-Employment Expense		1,417	1,417	1,417	1,417	1,417	1,417	1,417	1,417	1,417	1,417	1,417	1,413	17,000
65000	Employee Continuing Education														0
65100	Employee Appreciation		13,645	2,250	2,250	13,645	2,250	2,250	13,645	2,250	2,250	13,645	2,250	2,250	72,580
70000	Physician Compensation Expenses														0
70100	Physician Compensation - On Call														0
70200	Physician Compensation - Director Lab														0
70300	CRNA Compensation Expenses		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	12,000
71000	Contract Labor														0
72000	Purchase Services														0
74000	Collection Fees														0
75000	Accounting Fees		450	450	450	450	450	450	450	450	450	450	450	450	5,400
76000	Legal Fees														0
80000	Supplies - Chargeable														0
80100	Supplies - Non-Chargeable		100	100	100	100	100	100	100	100	100	100	100	100	1,200
80200	Supplies - Office & Other														0
80300	Supplies - IT Equipment														0
81000	Rental Expense - Building		3,900	3,900	3,900	3,900	3,900	3,900	3,900	3,900	3,900	3,900	3,900	3,900	46,800
81100	Rental Expense - Equipment														0
82000	Telephone		1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	1,000	12,000
82100	Electricity														0
82200	Natural Gas Plant Operations														0
82300	Water & Sewage Plant Operations														0

## F07 – Statistical Form

This Statistical Form is used to enter budgeted statistical amounts. Various spreading methods are available to assist with manual entry.

Spreading can be based upon prior year actuals/budget as a baseline and percentage adjustments can be made, even spreading and custom spreading can be applied for each account as well.

Line item details and comments can be added to provide additional detail that a chart of account normally won't support. Prior year actuals is easily accessible on the side so that it can be used to determine the budgeted statistical amounts.

**Solver Health Care**  
Statistical Budget Data  
Woodland Hills Facility  
Budget  
Hospital - General

Acct	Description	Budget												2023 Total
		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
ADMINHMO	Medicare HMO Admits	20	25	24	25	23	26	22	26	23	25	23	26	288
ADMITCAIDIN	Medicaid Instate Admits	48	58	84	77	62	77	125	122	54	84	94	141	1,026
ADMITCAIDOUT	Medicaid Out Of State Admits	3	3	5	5	5	3	6	6	2	3	5	5	51
ADMITCARE	Medicare Admits	485	487	271	185	337	246	488	428	282	254	268	133	3,864
ADMITCIGNA	CIGNA Admits	9	5	7	9	5	11	11	10	11	10	10	11	109
ADMITCOMM	Commercial Admits	13	17	17	17	14	6	7	11	12	15	10	10	149
ADMITER	Admits, Emergency	302	306	133	242	169	235	126	282	280	321	203	224	2,823
ADMITHMO	Medicare HMO Admits													0
ADMITICU	Admits, Intensive Care Unit	10	12	13	19	18	20	14	18	17	12	10	15	178
ADMITLD	Admits, Labor & Delivery	34	37	28	32	46	28	27	36	45	35	28	36	412
ADMITMOU	Admits, Medical Oncology Unit	79	55	37	33	53	63	53	44	59	42	44	36	598
ADMITNURSE	Admits, Nursery	16	33	36	30	39	27	31	34	28	39	42	24	379
ADMITPCU	Admits, Pulmonary Care Unit	39	53	49	46	28	41	18	32	50	50	47	34	487
ADMITPSY	Admits, Psychiatric	49	32	34	59	54	26	53	26	53	59	48	56	549
ADMITSCU	Admits, Special Care Unit	35	29	27	31	38	24	25	32	25	35	37	23	361
ADMITSELF	Self Admits	16	14	10	20	15	15	17	11	17	13	19	11	178
ARRES	% of A/R Resolved													0
AVGCHG	Average Charge per Patient													0
COLLDS	Collections (DOS)													0
DAYSCAIDIN	Medicaid Instate Patient Days	240	541	252	504	541	496	558	620	611	273	541	269	5,446
DAYSCAIDOUT	Mcaid Out Of State Patnt Days	10	10	14	9	5	12	12	6	10	7	5	5	105
DAYSCARE	Medicare Patient Days	915	976	1,088	742	1,669	828	1,063	1,718	1,063	1,582	1,486	789	13,919
DAYSCIGNA	CIGNA Days	40	42	24	22	25	56	40	46	46	45	60	35	481
DAYSCOMM	Commercial Patient Days	20	24	25	10	22	41	17	19	23	19	40	20	274

## Tools – Ad Hoc Reporting

Ad Hoc Reporting gives power to the people by providing all Solver reporting users with self-service tools that answer important business questions *instantly*. Whenever new questions arise or additional detail is needed, users can create an on-the-fly ad hoc report, without having to rely on other teams for assistance.

Ad Hoc Reporting is extremely simple to learn: in less than 10 minutes, executives, managers, and any other team member will be ready to run their own reports for rapid, accurate decision making.

The screenshot displays the Solver Ad Hoc Reporting interface. The main content area is titled "Service Revenue by Product Line" and features a table with the following data:

Extended Price	Product Description
\$ 350,000.00	Consulting Services
\$ 20,000.00	Customizations
\$ 410,000.00	Other Services

Below the table is a "Range Chart" which is a donut chart showing the distribution of revenue by product line. The chart is divided into three segments: Consulting Services (orange), Customizations (yellow), and Other Services (green). The total revenue is \$ 780,000.00.

At the bottom of the interface, there are summary statistics: Rows: 3, Row limit: 10000, Average: 260,000, Sum: 780,000. A "Refresh" button is also present.

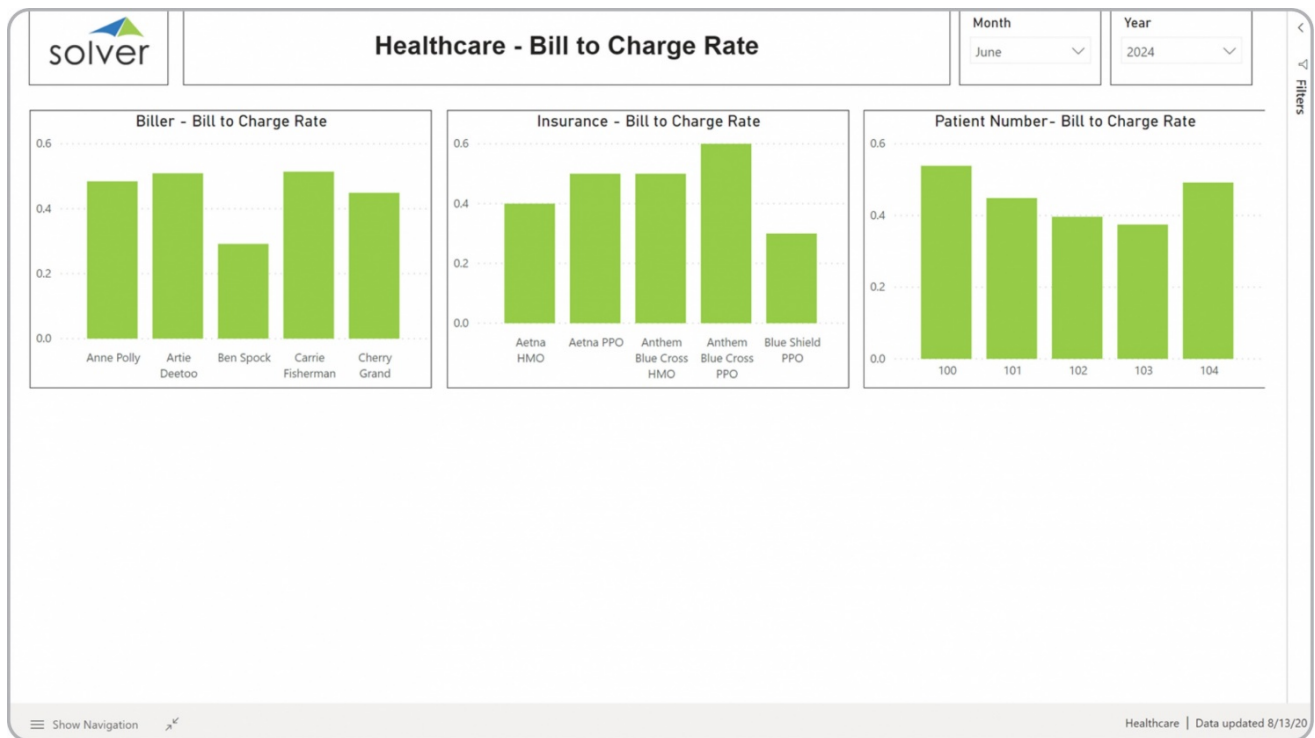
The interface includes a left-hand navigation menu with sections for "REPORTING" (Report Templates, Publisher, Report Archive, Ad Hoc Reports) and "PLANNING" (Input Templates, Input Flow, Workflows, Assignments). The right-hand side contains "Filters" and "Fields" panels. The "Filters" panel shows "Period" set to "is This Period This Year" and "Product Description" set to "Consulting Services, Customizations, Other Services". The "Fields" panel shows a list of available fields, with "Product Description" selected.

## Healthcare Power BI Dashboards

### Power BI - Bill to Charge Rate Analysis Dashboard

Some of the main functionality in this type of dashboard is that it enables analysis from three perspectives:

- Bill to charge rate by biller (physician)
- Bill to charge rate by payor/insurance company
- Bill to charge rate by patient

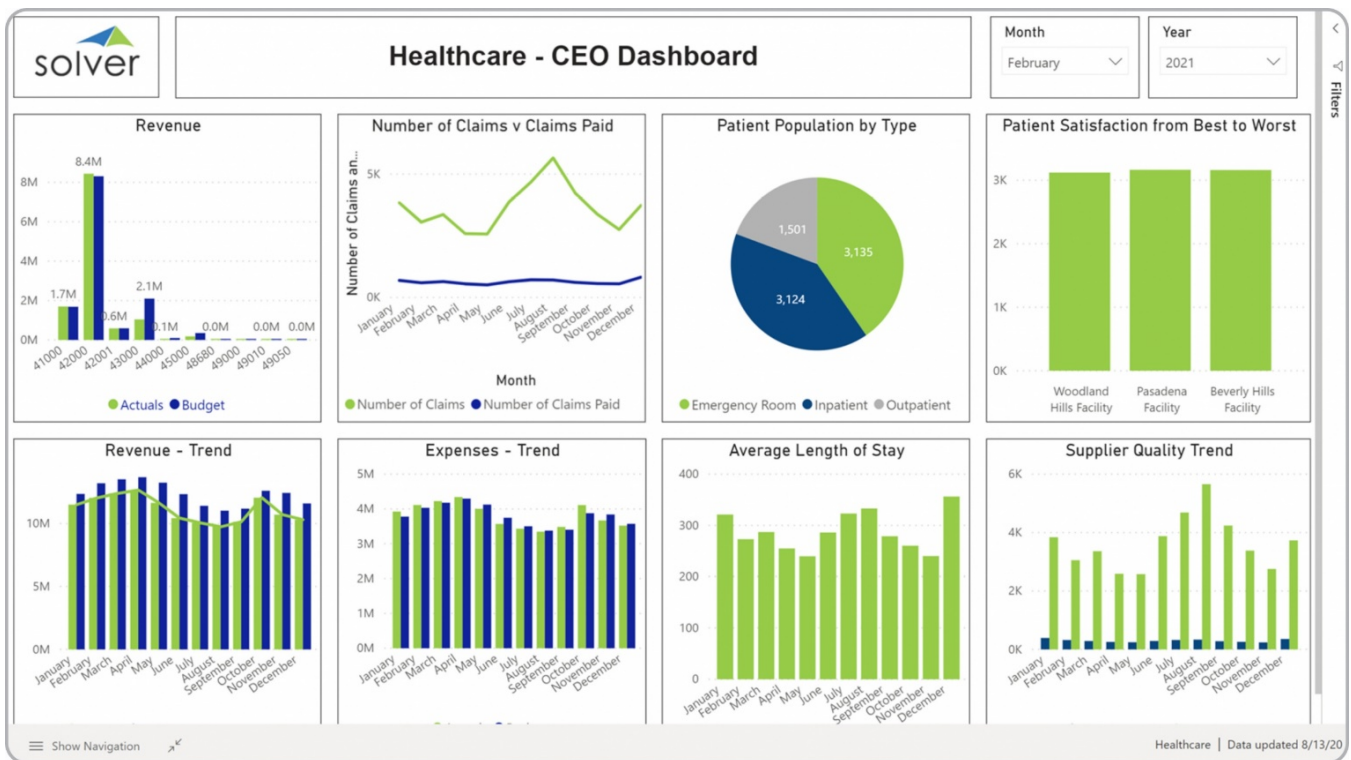


## Power BI - CEO Dashboard

Some of the main functionality in this type of dashboard is that it provides analysis from eight different perspectives, including:

- Actual and budgeted revenues by GL account
- Monthly trend in number of claims versus claims paid
- Patient population by type
- Patient satisfaction by facility (clinic or hospital)
- Monthly revenue trend with actual and budget comparison
- Monthly expense trend with actual and budget comparison
- Average length of stay (ALOS) – monthly trend
- Monthly supplier quality trend

The user can filter by month and year on the top of the dashboard.

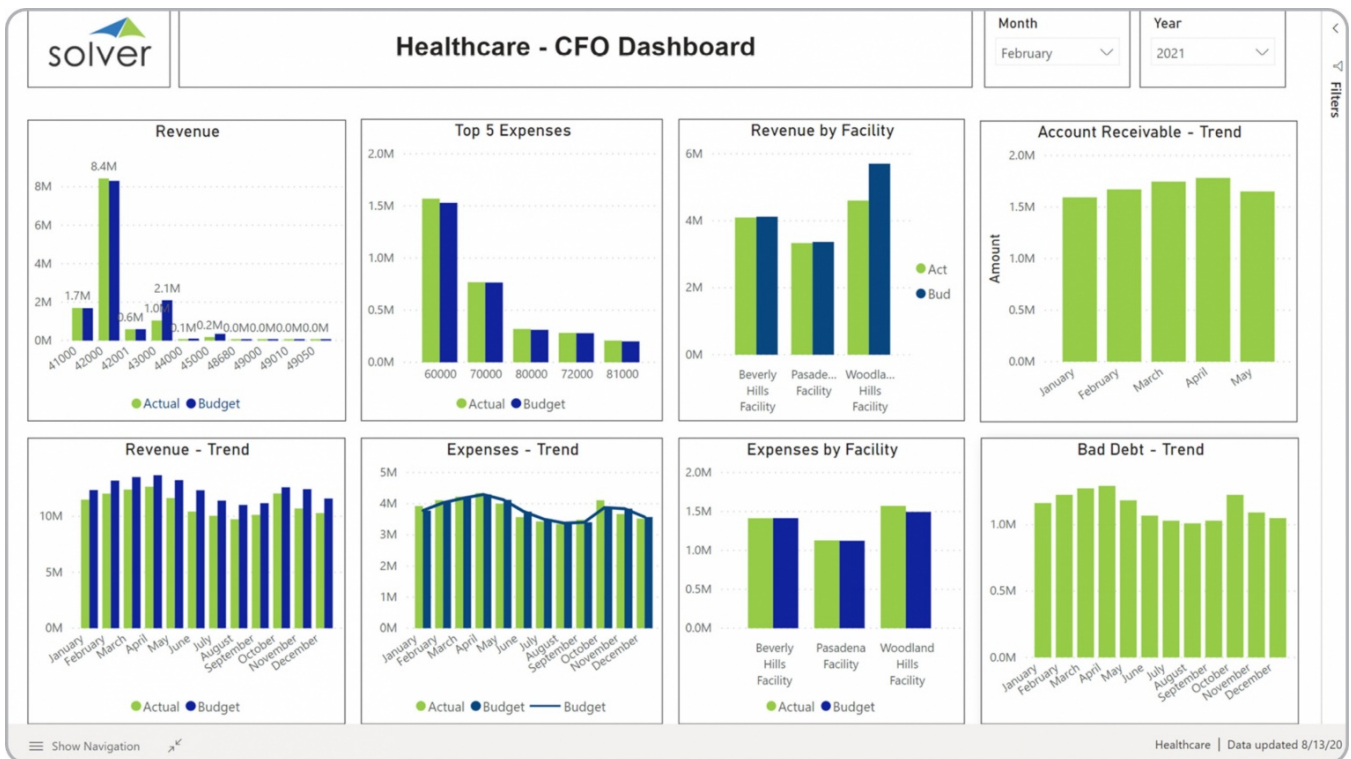


## Power BI - CFO Dashboard

Some of the main functionality in this dashboard is that it provides analysis from eight different perspectives, including:

- Actual and budgeted revenues by GL account
- Top 5 expenses – actual and budget
- Revenue by facility – actual and budget
- Accounts receivable (AR) – monthly trend
- Revenues – monthly trend with actual and budget comparison
- Expenses – monthly trend with actual and budget comparison
- Actual and budgeted expenses by facility
- Bad debt – monthly trend

The user can filter by month and year on the top of the dashboard.

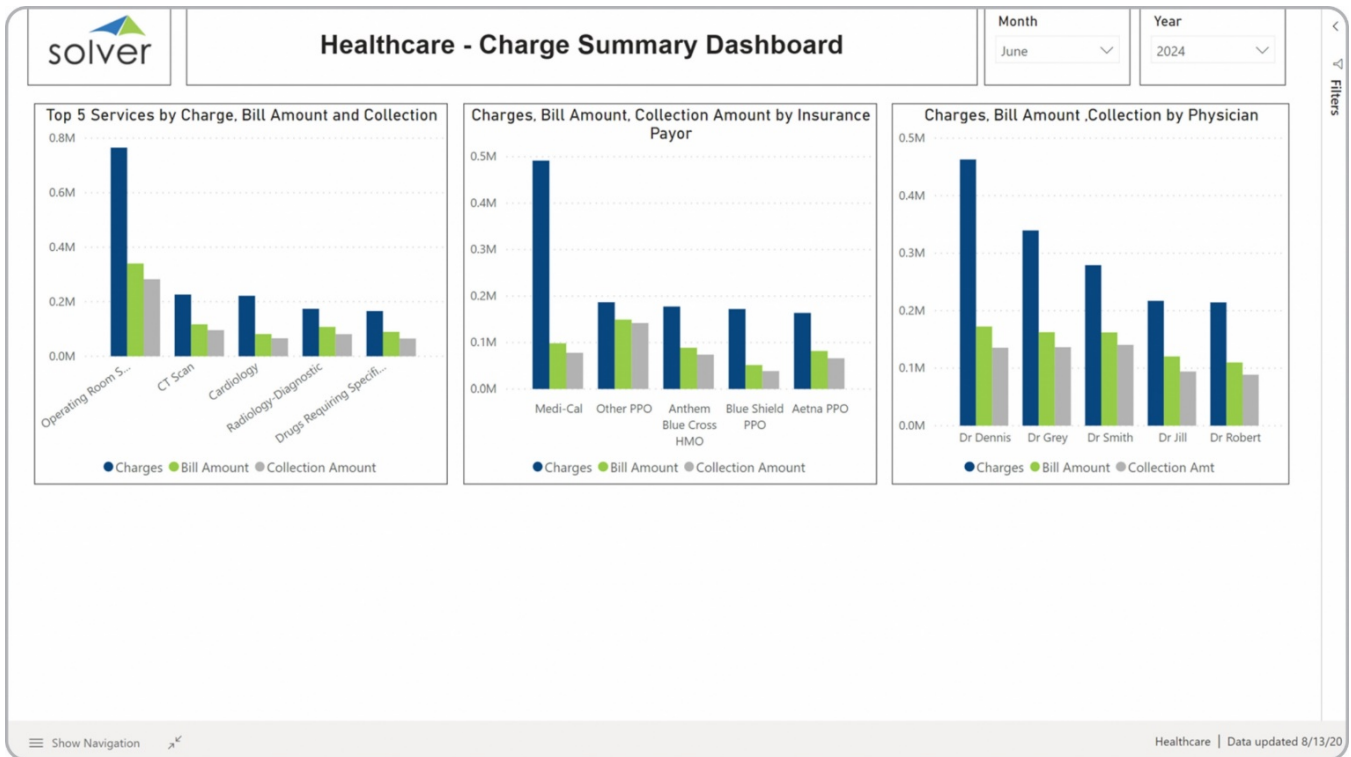




## Power BI - Charge Summary Dashboard

Some of the main functionality in this type of dashboard is that it provides analysis from three perspectives:

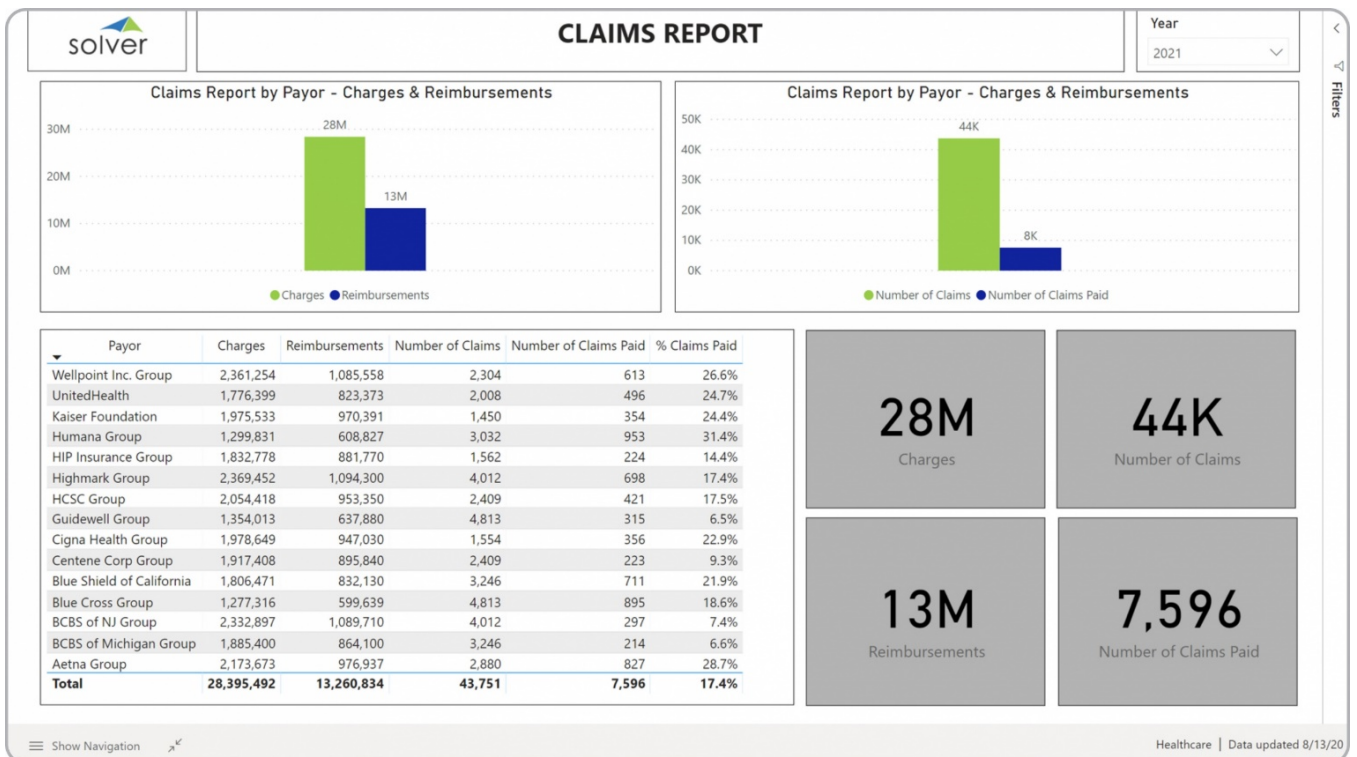
- Charge amounts for the top five services ranked and compared to billed and collected amounts
- Charges, billings, and collections by insurance payor
- Charges, billings, and collections by physician



## Power BI - Claims Analysis Report

Some of the main functionality in this type of dashboard is that it uses KPIs, a matrix, and charts to provide analysis across seven areas:

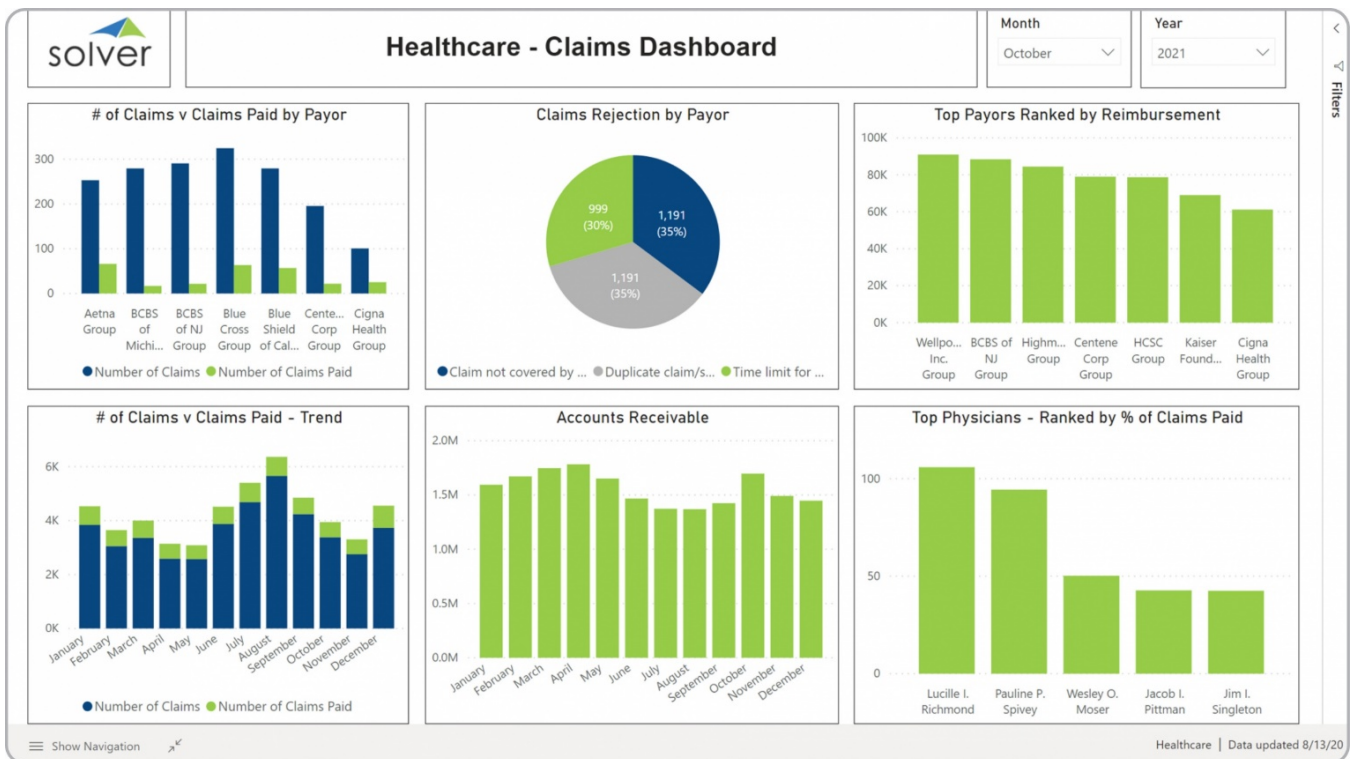
- Total charges and reimbursement amounts
- Number of claims and claims paid
- Payor report matrix with charges, reimbursements, number of claims, number of claims paid, percent of claims paid
- Total charges KPI (amount), total number of claims KPI, total reimbursements KPI (amount)
- Total number of claims paid KPI



## Power BI - Claims Dashboard

Some of the main functionality in this type of dashboard is that it provides claims analysis from these six perspectives:

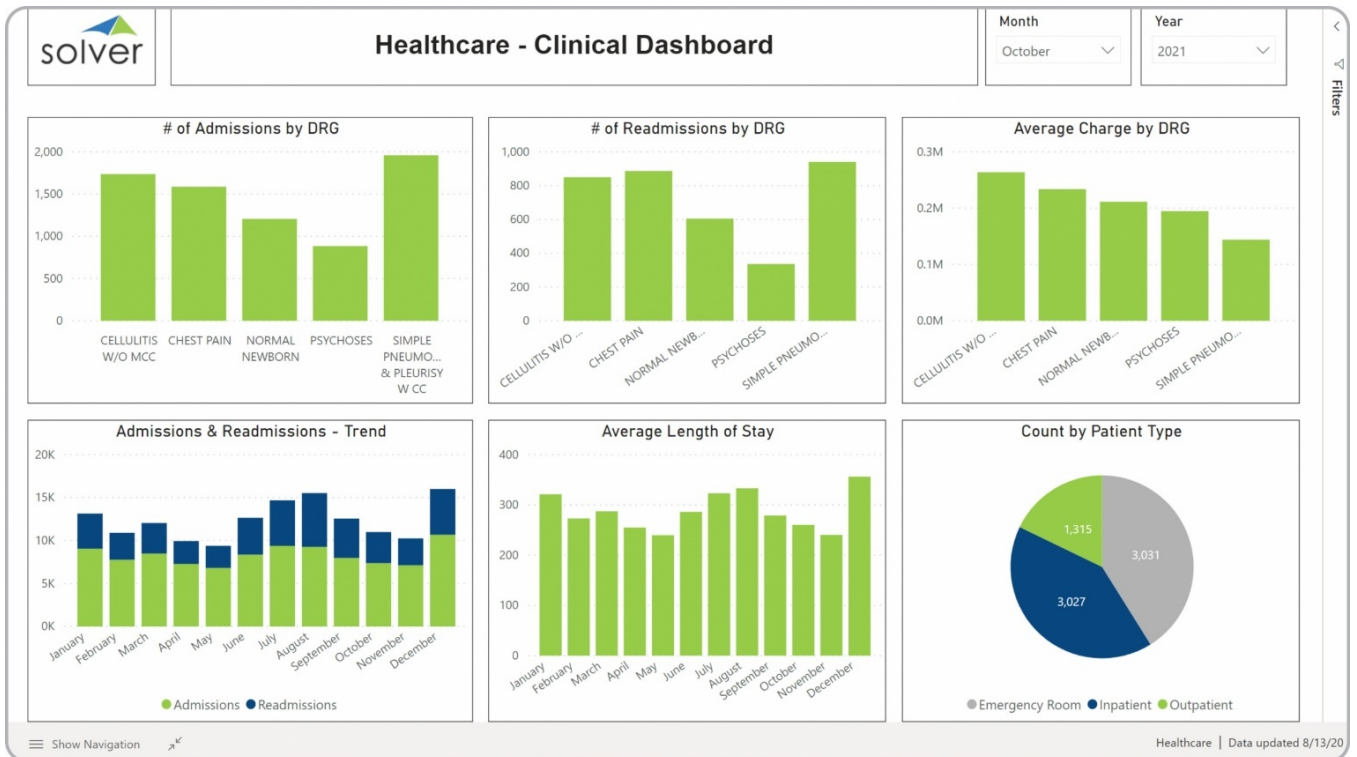
- Number of claims versus claims paid per payor
- Claims rejections by payor
- Top payors ranked by reimbursement
- Number of claims versus claims paid – monthly trend
- Accounts receivable – monthly trend
- Top physicians ranked by percent of claims paid



## Power BI - Clinical Dashboard

Some of the main functionality in this type of dashboard is that it provides analysis from these six perspectives:

- Number of admissions per Diagnostic Related Group (DRG)
- Number of readmissions by DRG
- Average charge by DRG
- Monthly trend in admissions and readmissions
- Average length of stay (ALOS)
- Count by patient type

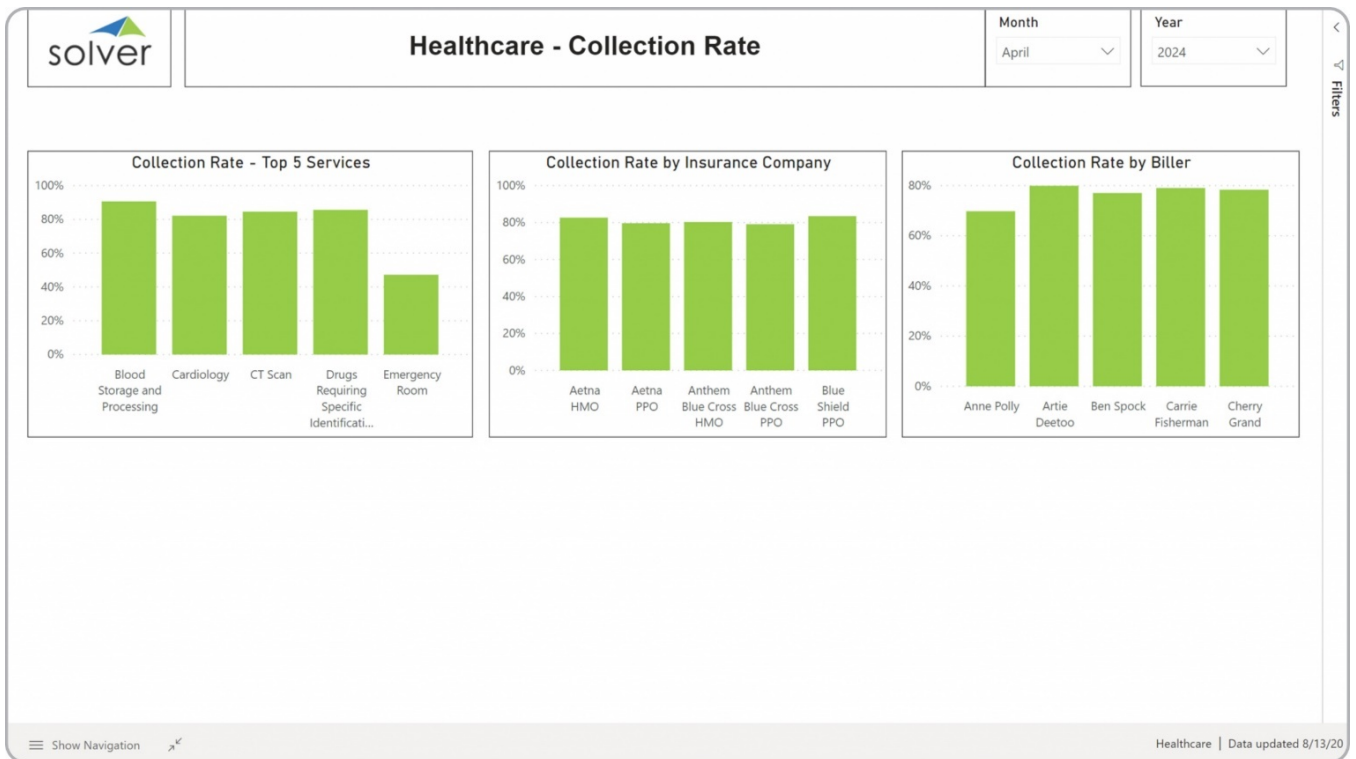


## Power BI - Collection Rate Analysis

Some of the main functionality in this type of dashboard is that it provides analysis from three perspectives:

- Collections rate based on the top 5 services provided
- Collections rate by insurance company (payor)
- Collections rate by biller

The user can choose month and year filters from the drop-down boxes on the top of the screen.

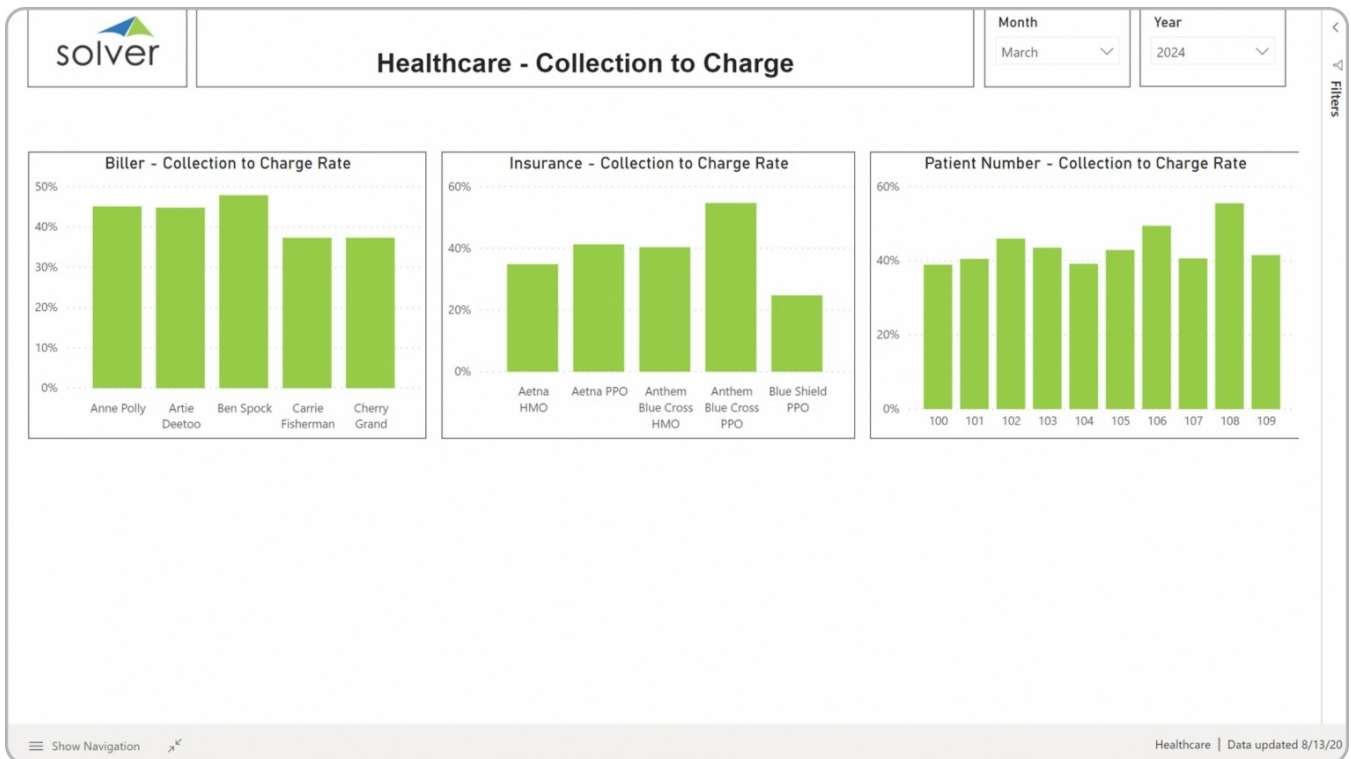


## Power BI - Collection to Charge Rate Analysis

Some of the main functionality in this type of dashboard is that it provides analysis from three perspectives:

- Collection to charge rate per individual biller
- Collection to charge rate by insurance company (payor)
- Collection to charge rate by patient (using patient number)

The user can choose month and year filters from the drop-down boxes on the top of the screen.

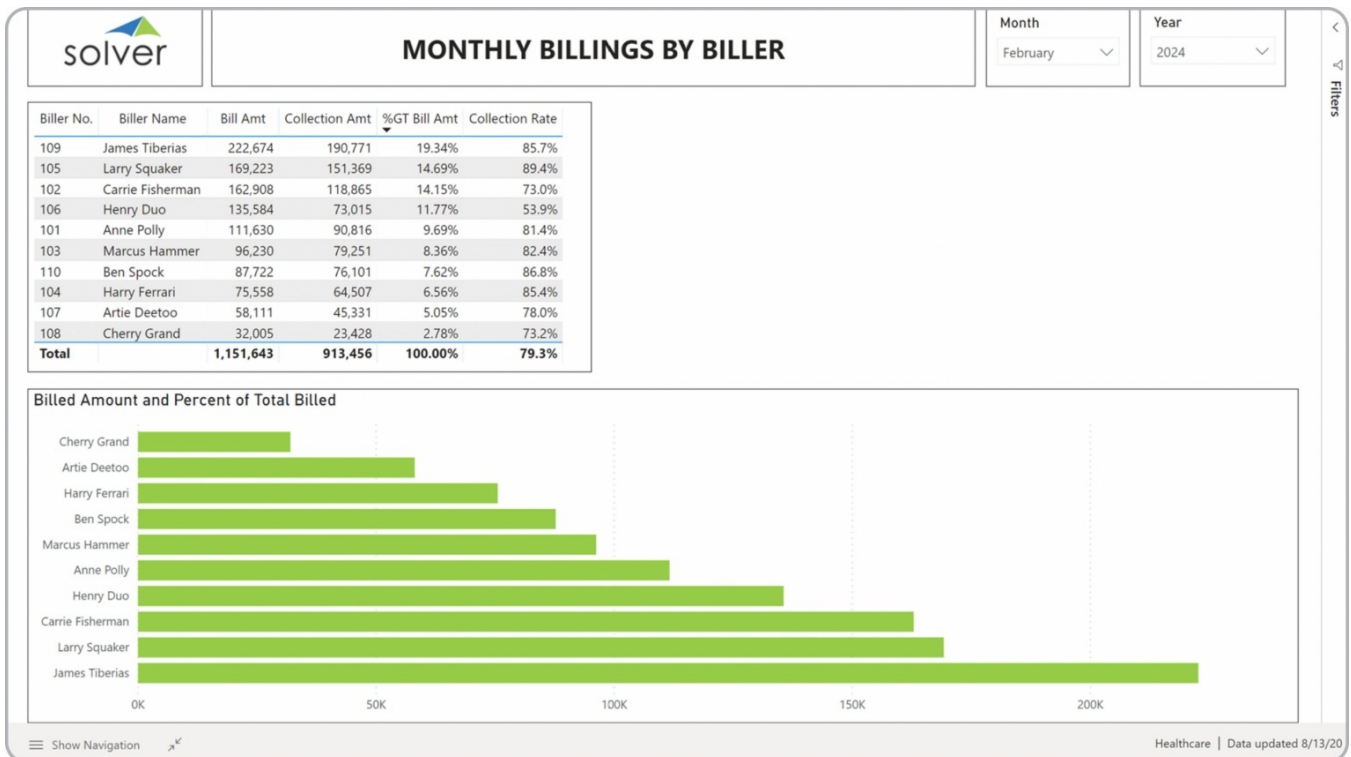




## Power BI - Monthly Billings by Biller Report

Some of the main functionality in this type of dashboard is:

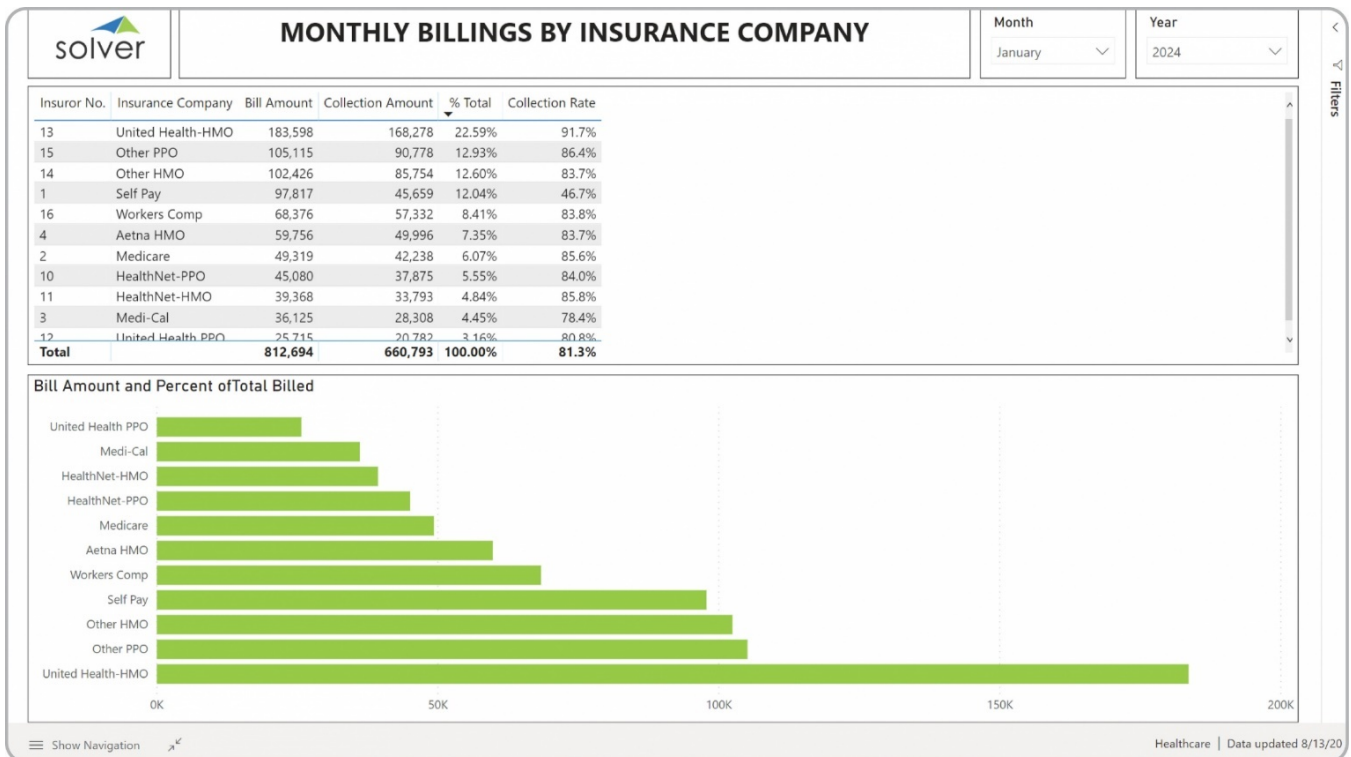
- It gives the user both a matrix report with detailed billing figures, and it provides a chart with rankings of the billers
- The matrix shows biller name, billing amount, collection amount, % GT billing amount, and collection rate
- The chart ranks the billers from high to low



## Power BI - Monthly Billings by Insurance Company

Some of the main functionality in this type of dashboard is:

- It gives the user both a matrix report with detailed billing matrix, and it provides a chart with rankings of the payors
- The matrix shows insurance company name, billing amount, collection amount, % of total amount, and collection rate
- The chart ranks the payors from low to high



## Power BI - Patient Satisfaction Dashboard

Some of the main functionality in this type of dashboard is that it provides analysis from these eight perspectives:

- Overall satisfaction by facility
- Post-care support visits by facility
- Avoidable readmissions by facility
- Patient satisfaction from best to worst
- Overall satisfaction by patient
- Monthly trend in post-care support visits
- Monthly trend in avoidable readmissions
- Post-care support visits by patient type

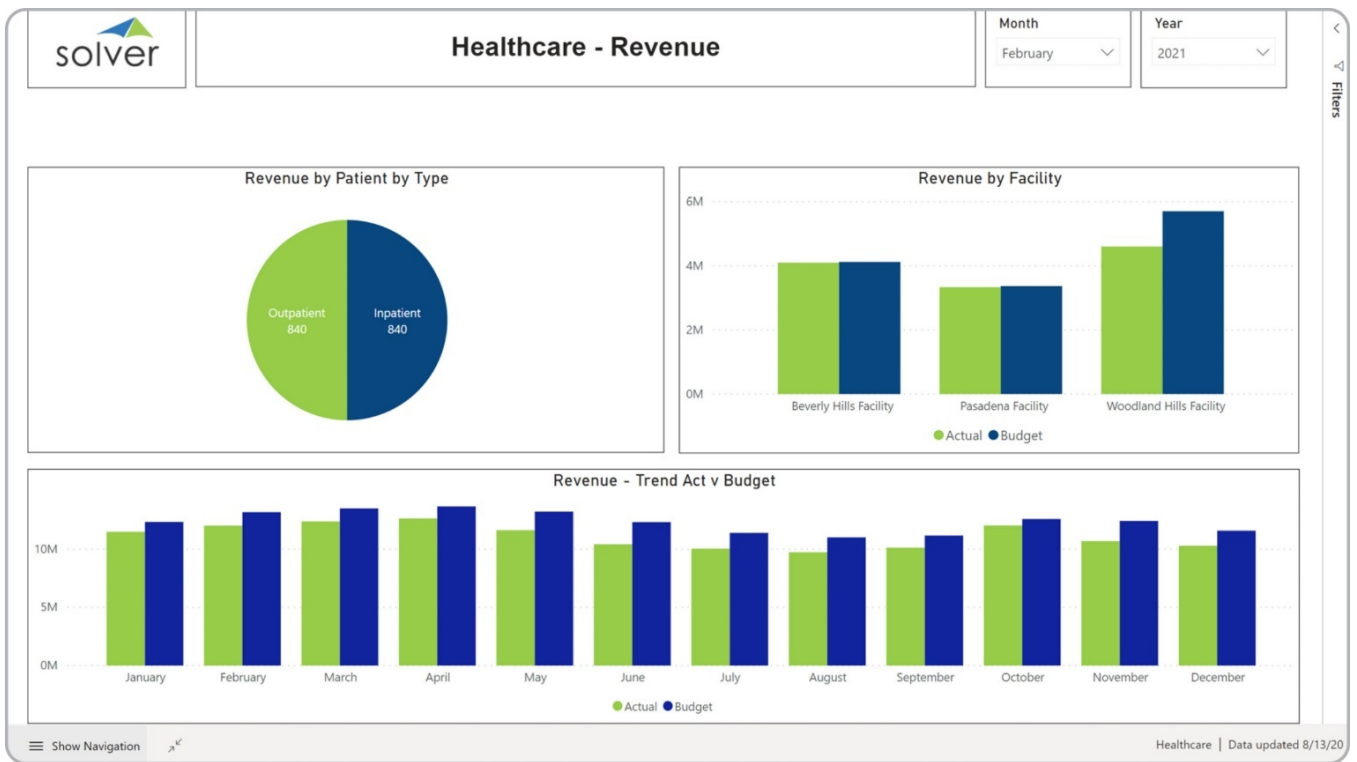


## Power BI - Revenue Dashboard

Some of the main functionality in this type of dashboard is that it gives users a very easy and clean interface to review:

- Revenue by patient type
- Revenue by facility
- Monthly revenue trend with actual and budget comparison

The filters enable users to slice the visuals into more granular data.



## Power BI - Supplier Quality Dashboard

Some of the main functionality in this type of dashboard is that it provides analysis from these six perspectives:

- Top five suppliers with the least complaints
- Bottom five suppliers with the most complaints
- Defects by product
- Defects and late deliveries – monthly trend
- Supplier ranked by amounts spent on purchases
- Complaints by category

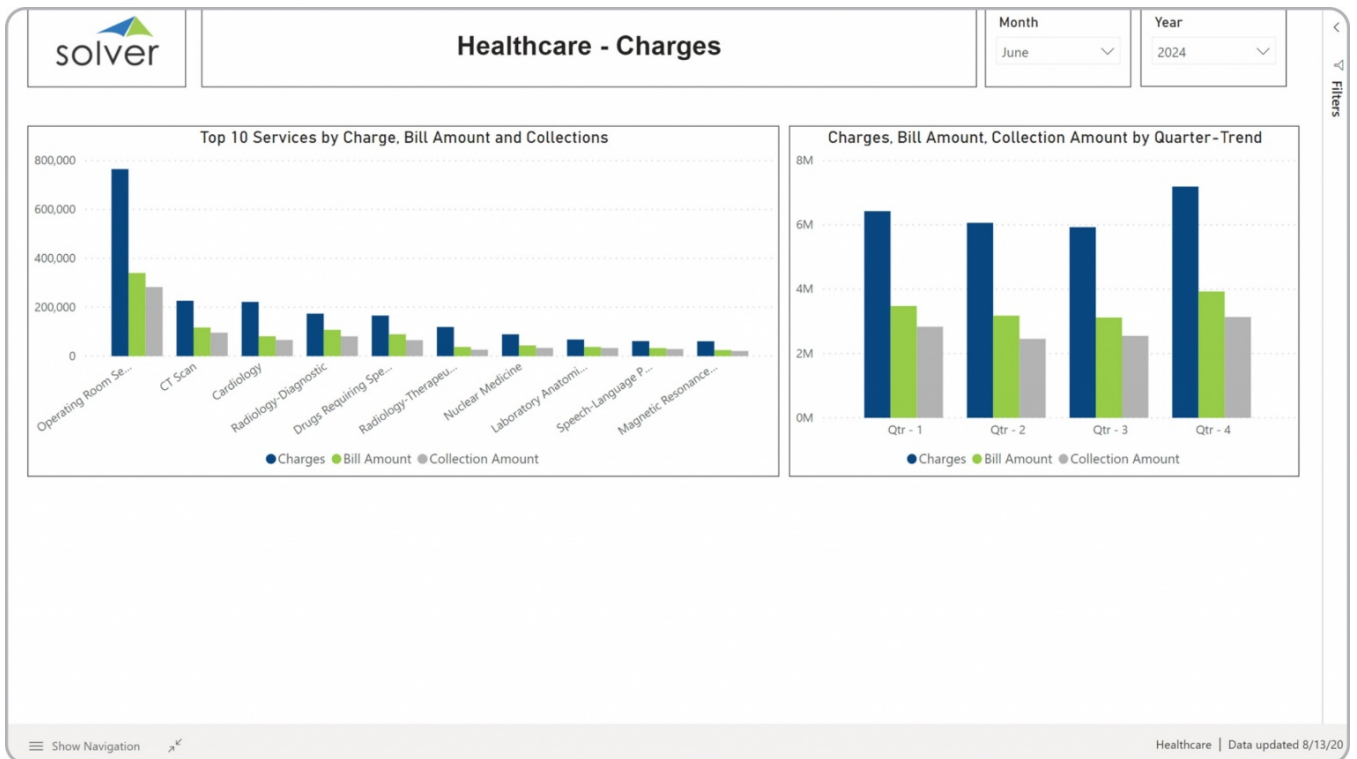


## Power BI - Top Service Charges Dashboard

Some of the main functionality in this type of dashboard is that it provides analysis from two perspectives:

- Top 10 services ranked and compared to billed and collected amounts
- Quarter by quarter comparison of charges, billings, and collections

The user can choose period and year on the top of the dashboard to filter the chart.





## Appendix - Acronyms

Admits – Admitted Patients

ALOS – Average Length of Stay

DRG – Diagnostic Related Group

IP – In Patient

IDTF - Independent Diagnostic Testing Facilities

KPI – Key Performance Indicator

OP – Out Patient