

Driving Value through a Deeper Understanding

Trend

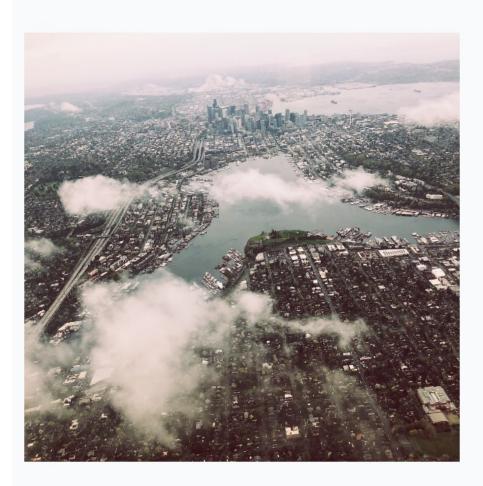
April 28, 2022







My clients are _____.



My practice area is ______.



I've been practicing for _____.

< 2 yrs

2-5 yrs

5-10 yrs

10-15 yrs

15+ yrs



I've been practicing for _____.

- < 2 yrs
- 2-5 yrs
- 5-10 yrs
- 10-15 yrs
 - 15+ yrs

One word that best describes your life outside of work





How would you respond if you were asked to list and define the major drivers of healthcare trend?

What's "trend"?	A
Are there more than two?	В
I could probably come up with something fairly close	С
I'm basically a trend expert	D



Text CHARLIEP566 to 22333 once to join, then A, B, C, or D

How would you respond if you were asked to list and define the major drivers of healthcare trend?

What's "trend"? A

Are there more than two? **B**

I could probably come up with something fairly close

I'm basically a trend expert **D**



When we talk about "trend" what kind of trend do we mean?

Allowed trend

Paid trend

Underwriting trend

It could mean any one of the three depending on the context and what it's being used for



When we talk about "trend" what kind of trend do we mean?

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Which of these are trend drivers?

Unit cost
Utilization
Severity (morbidity and large claims)
Mix (services and providers)
Demographics (gender, age and family composition)
Enrollment
Plans and benefits
Risk Margin
All of the above



When poll is active, respond at pollev.com/charliep566

Text CHARLIEP566 to 22333 once to join

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All of the above





Which driver primarily impacts paid trend?

Unit cost Utilization Severity (morbidity and large claims) Mix (services and providers) Demographics (gender, age and family composition) Enrollment Plans and benefits Risk Margin



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Plans and benefits

Risk Margin



What driver is unique to underwriting trend?

Unit cost

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Enrollment

Plans and benefits

Risk Margin



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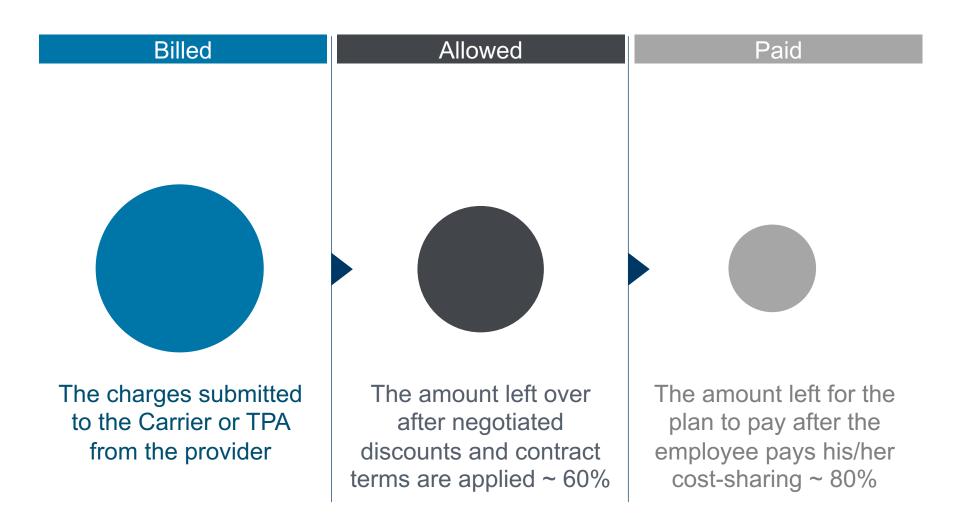
Enrollment

Plans and benefits

Risk Margin



Billed vs. allowed vs. paid What's the difference?











Unit cost

Concept

- ✓ Change in price
- ✓ Completely identical
- ✓ Measurement period
- ✓ Contracts
 - 1-3 yrs
 - "Regular inflation"
 - Hospital financials
 - Medicare
 - Mandates surprise billing

Examples













During COVID

- ✓ To the provider, yes
- ✓ Payment mandates
- ✓ Contracts protect

After COVID

- ✓ Upward pressure
- ✓ Contracts protect in shortterm
- Carriers get creative
- ✓ Efficiency gains?



Utilization

Concept

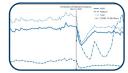
- Change in how many being used
- ✓ Per thousand
- ✓ Measurement period
- ✓ Constant basket
 - Individual item
 - Collection of same items

Examples













During COVID

- √ Varied by service
- ✓ Forgone vs. deferred care
- Rise of telehealth
- ✓ New COVID services

After COVID

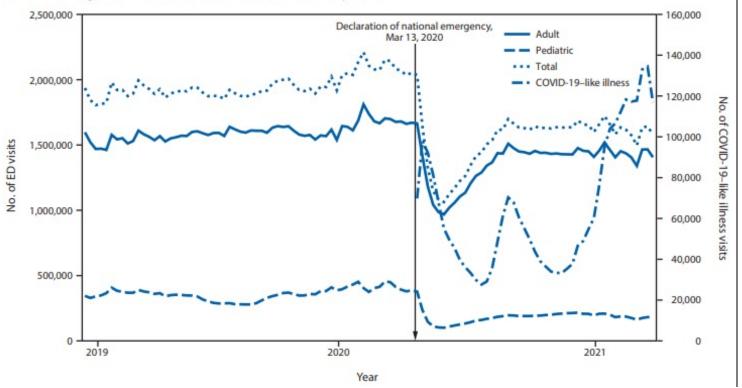
- √ Temporary vs. permanent
- ✓ Pent-up demand
- COVID costs as cushion

Ambulatory Surgery Center utilization – Decrease in 2020



ED utilization decrease permanent?

FIGURE. Weekly number of total,* adult,† and pediatric§ emergency department (ED) visits and COVID-19–like illness visits — National Syndromic Surveillance Program, United States,¶ December 30, 2018–January 16, 2021



<u>Update: COVID-19 Pandemic–Associated Changes in Emergency Department Visits — United States, December 2020–January 2021 (cdc.gov)</u>



Telehealth utilization - 2015 - 2020

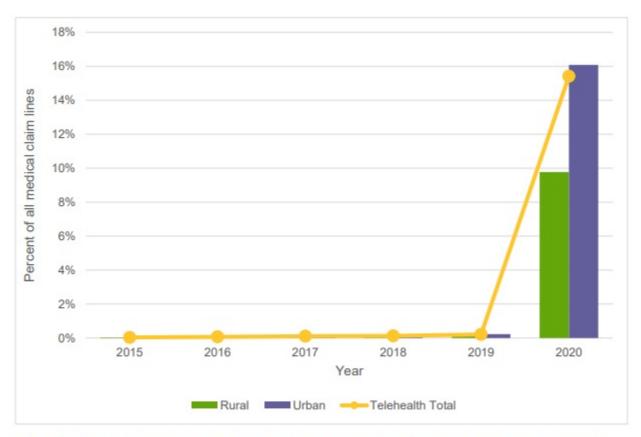


Figure 20. Claim lines with telehealth usage as a percentage of all medical claim lines by rural, urban and national settings, 2015-2020

FH Healthcare Indicators and FH Medical Price Index 2022--A FAIR Health White Paper.pdf



Telehealth utilization - 2015 - 2020

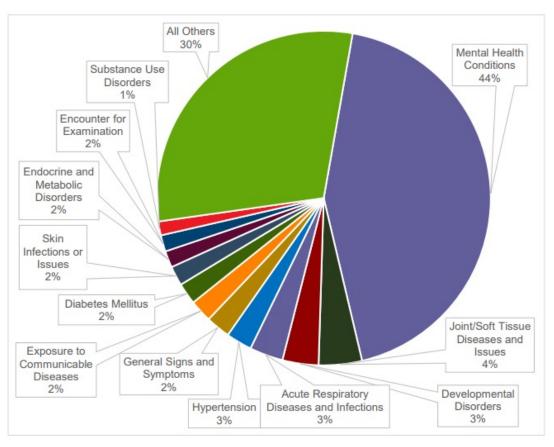


Figure 24. Distribution of claim lines with telehealth usage by diagnostic category, 2020

FH Healthcare Indicators and FH Medical Price Index 2022--A FAIR Health White Paper.pdf

Severity

Concept

- Change in underlying morbidity (also billing)
- ✓ Diagnosis codes frequency and complexity
- ✓ Procedure codes frequency and complexity
- ✓ Chronic vs. acute
- ✓ Large claims

Examples













During COVID

- ✓ COVID
- ✓ Mental health concerns
- ✓ Unhealthy behaviors

After COVID

- ✓ Higher stage disease?
- ✓ Increased prevalence?
- ✓ Large claims
- ✓ Long COVID?



Mix

Concept

- Existing service gets replaced with a higher or lower cost service
- ✓ New service gets introduced
- ✓ Innovation and technology

Examples













During COVID

- √ Huge swings
- ✓ New tests, vaccines
- New treatment costs
- ✓ Telehealth

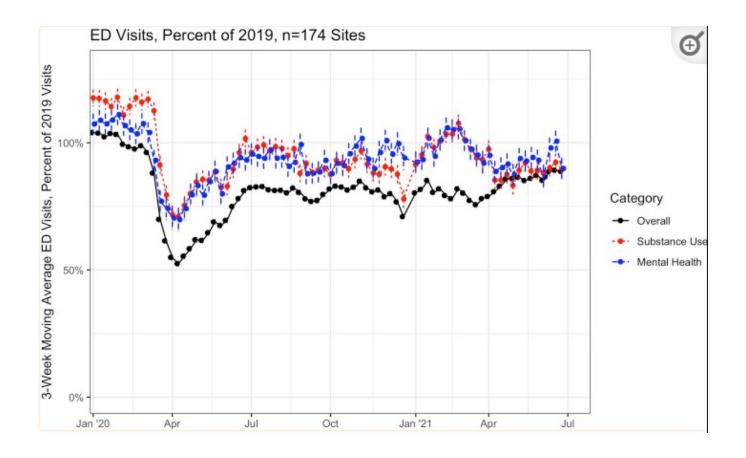
After COVID

- ✓ New normal ED, BH, Telehealth
- Return to normal get through rocky patch on way

FDA Approves Cyltezo, the First Interchangeable Biosimilar to Humira | FDA



ED mix change



Emergency department utilization for substance use disorders and mental health conditions during COVID-19 - PMC (nih.gov)



Pro Question: Which trend driver is the biggest target of value-based care?

Unit cost

Utilization

Severity

Mix



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Calculators out, team-up



Scenario 1: cost trend for Bachelor View Clinic

				2020			2021			2022	
			Quantity	Unit Price	Total cost	Quantity	Unit Price	Total cost	Quantity	Unit Price	Total cost
Volume		Unit	3 10 10 10								
		Patients seen	5,000			7,500			7,500		
Administr	rative	Unit									
	Reception	FTE	4	\$55,000	\$220,000	2	\$55,000	\$110,000	2	\$66,000	\$132,000
	Billing	FTE	1	\$65,000	\$65,000	0	\$65,000	\$0	1	\$78,000	\$78,000
	Coding	FTE	1	\$75,000	\$75,000	1	\$75,000	\$75,000	1	\$90,000	\$90,000
Clinical		Unit									
	Physician	FTE	4	\$300,000	\$1,200,000	2	\$300,000	\$600,000	4	\$360,000	\$1,440,000
	Physician's Assistant	FTE	8	\$125,000	\$1,000,000	4	\$125,000	\$500,000	4	\$150,000	\$600,000
	Phlebotomist		1	\$85,000	\$85,000	0	\$85,000	\$0	1	\$102,000	\$102,000
	Physical therapist		1	\$135,000	\$135,000	2	\$135,000	\$270,000	3	\$162,000	\$486,000
	Psychologist		1	\$150,000	\$150,000	4	\$150,000	\$600,000	2	\$180,000	\$360,000
	Psychiatrist								4	\$250,000	\$1,000,000
Sub-total	Staff		21	\$139,524	\$2,930,000	15	\$143,667	\$2,155,000	22	\$194,909	\$4,288,000
Supplies		Unit									
	Nitrile Gloves	Pack of 2,000	1	\$234	\$234	4	\$549	\$2,197	6	\$714	\$4,284
	Latex Gloves	Pack of 100	80	\$12	\$982	280	\$17	\$4,639	160	\$20	\$3,181
	Procedural Mask	Pack of 500	9	\$65	\$582	10	\$139	\$1,391	11	\$193	\$2,127
	KN95 Masks	Pack of 50	10	\$17	\$173	15	\$66	\$987	120	\$95	\$11,448
	Face shields	Pack of 100	50	\$52	\$2,611	90	\$256	\$23,028	25	\$297	\$7,420
	Disposable Syringes	Pack of 10	1,500	\$4	\$5,314	2,000	\$6	\$12,400	1,000	\$8	\$8,060
	Disinfecting Wipes	Bag of 110	10	\$26	\$262	20	\$64	\$1,278	13	\$75	\$981
	Hand Sanitizer	1,200 mL cartridge	12	\$67	\$805	12	\$78	\$934	12	\$107	\$1,289
Sub-total Supplies					\$10,963			\$46,854			\$38,789
Grand tot	tal				\$2,940,963			\$2,201,854			\$4,326,789

Which supply expense had the greatest *unit cost* increase from 2020 to 2021?

Disposable syringes

Nitrile gloves

Face shields



Which supply expense had the greatest *unit cost* increase from 2020 to 2021?

Disposable syringes

Nitrile gloves

Face shields

Which supply expense had the greatest *utilization* increase from 2020 to 2021?

Disposable syringes

Nitrile gloves

Face shields



Which supply expense had the greatest *utilization* increase from 2020 to 2021?

Disposable syringes

Nitrile gloves

Face shields



What was the primary driver of the decrease in total expenses from 2020 to 2021?

Fewer patients

Decrease in unit cost

Fewer staff



What was the primary driver of the decrease in total expenses from 2020 to 2021?

Fewer patients

Decrease in unit cost

Fewer staff



(In reference to previous question) This is an example of which trend driver?

Unit cost

Utilization

Severity

Mix



(In reference to previous question) This is an example of which trend driver?

Unit cost

Utilization

Severity

Mix



In 2021, the clinic employed 4 psychologists. In 2022, they replaced 2 psychologists with 4 psychiatrists. This change illustrates what 3 trend drivers?

Unit cost, utilization, mix

Utilization, mix, severity

Unit cost, mix, severity



In 2021, the clinic employed 4 psychologists. In 2022, they replaced 2 psychologists with 4 psychiatrists. This change illustrates what 3 trend drivers?

Unit cost, utilization, mix

Utilization, mix, severity

Unit cost, mix, severity

Scenario 2: Bachelor View Clinic's runaway medical trend





Bachelor View Clinic Experience by month

	Paid				R12	
Month PEPM		R3	R3 Trend	R12	Trend	
3/1/2020	\$450	\$452	-8.2%	\$549	-4.6%	
4/1/2020	\$434	\$443	-11.1%	\$543	-4.3%	
5/1/2020	\$537	\$474	-20.8%	\$529	-8.4%	
6/1/2020	\$537	\$503	-9.6%	\$536	-5.1%	
7/1/2020	\$559	\$544	-7.8%	\$532	-5.9%	
8/1/2020	\$689	\$594	2.9%	\$534	-7.3%	
9/1/2020	\$540	\$596	0.6%	\$538	-6.4%	
10/1/2020	\$614	\$614	3.1%	\$537	-6.0%	
11/1/2020	\$570	\$575	5.8%	\$543	-1.9%	
12/1/2020	\$507	\$563	-6.5%	\$529	-5.9%	
1/1/2021	\$378	\$484	-11.7%	\$521	-6.8%	
2/1/2021	\$420	\$435	-17.4%	\$518	-7.5%	
3/1/2021	\$518	\$438	-3.0%	\$524	-4.7%	
4/1/2021	\$573	\$504	13.7%	\$535	-1.4%	
5/1/2021	\$582	\$558	17.6%	\$539	1.9%	
6/1/2021	200	\$578	15.1%	\$543	1.3%	
7/1/2/21	\$526	\$563	3.4%	\$540	1.5%	
8/1 2021	\$688	\$ 98	0.7%	\$541	1.2%	
9/ //2021	\$893	\$7, 3	18.0%	\$571	6.2%	
10 /2021	\$688	\$7/5	23.0%	\$578	7.5%	
2021	\$562	\$7 13	24.0%	\$577	6.3%	
, 1/ 021	\$668	640	13.6%	\$591	11.7%	
1/1/2022	¢cco.	\$632	30.5%	\$614	17.9%	
2/1/2022	\$441	\$590	35.8%	\$615	18.7%	
3/1/2022	\$626	\$576	31.5%	\$624	19.1%	



Guess what trend driver is wreaking havoc on this group's recent experience?

Unit cost

Utilization

Severity

Mix



Guess what trend driver is wreaking havoc on this group's recent experience?

Unit cost

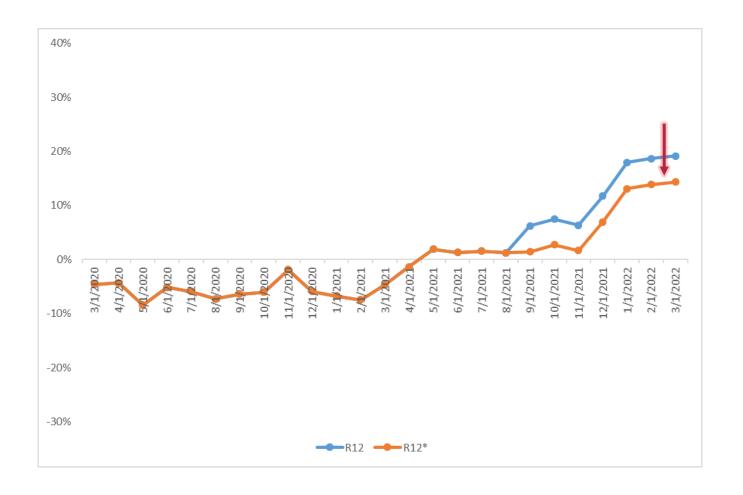
Utilization

Severity

Mix



Scenario 2: R12 Trend w/ and w/out* Lg Claims





Demographics and enrollment

Concept

- Age, gender, family composition
- ✓ Normal patterns, influenced by hiring / attrition
- ✓ Dependents mitigate trend

Examples













During COVID

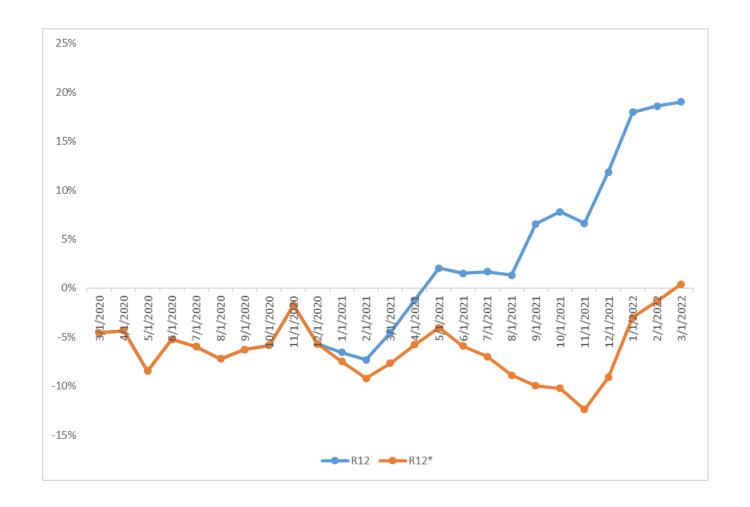
- ✓ Industry / group-specific
- / Job loss
- √ Family demands

After COVID

- Expansion of fertility / infertility benefits
- ✓ Churn in workforce replace losses w/ same demographic?



Scenario 3: 20% enrollment growth in 2021*







How would an increasing member to subscriber ratio impact trend?

Increase trend

Suppress trend

No impact



How would an increasing member to subscriber ratio impact trend?

Increase trend

Suppress trend

No impact

For a stable population without a lot of churn, what element of demographics would most impact trend?

Aging

Gender

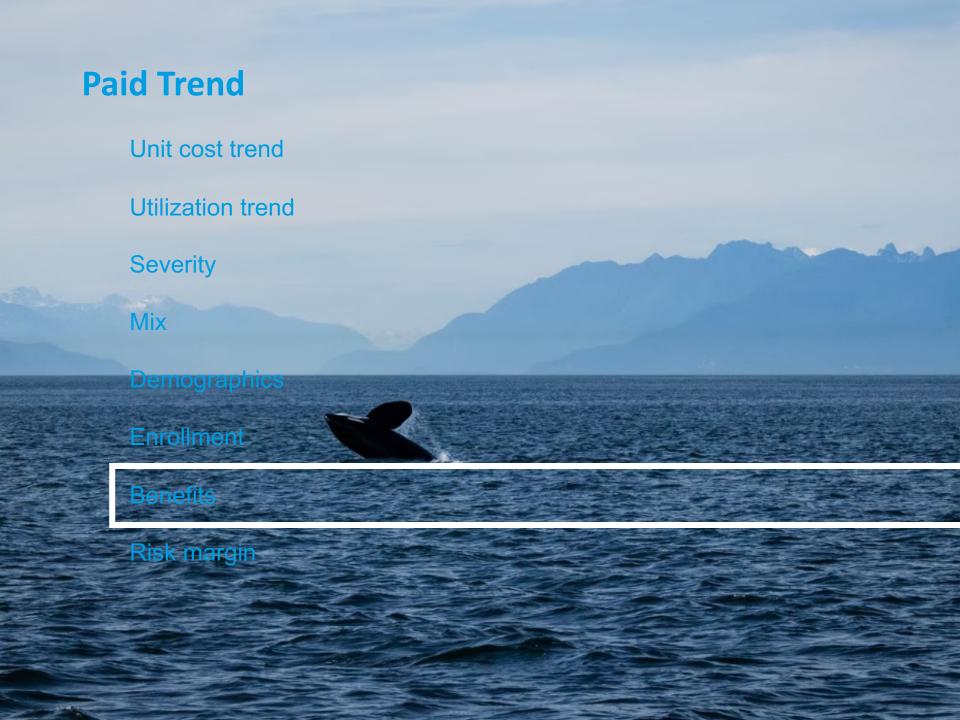
Family composition

For a stable population without a lot of churn, what element of demographics would most impact trend?

Aging

Gender

Family composition



Benefits

Concept

- ✓ Adding / removing plans
- Increasing / decreasing deductibles
- ✓ Adding / removing benefits
- Normal patterns to maintain affordability to employer

Examples

Choice

Contribution

Costsharing Point Solutions

Mandates

Networks

During COVID

- Waived cost-sharing
- ✓ Minimal benefit changes

After COVID

- Employee attraction / retention
- ✓ Minimal benefit changes
- ✓ If changes, richer



Why HDHP trend 0.5% - 1.5% higher than LDHP

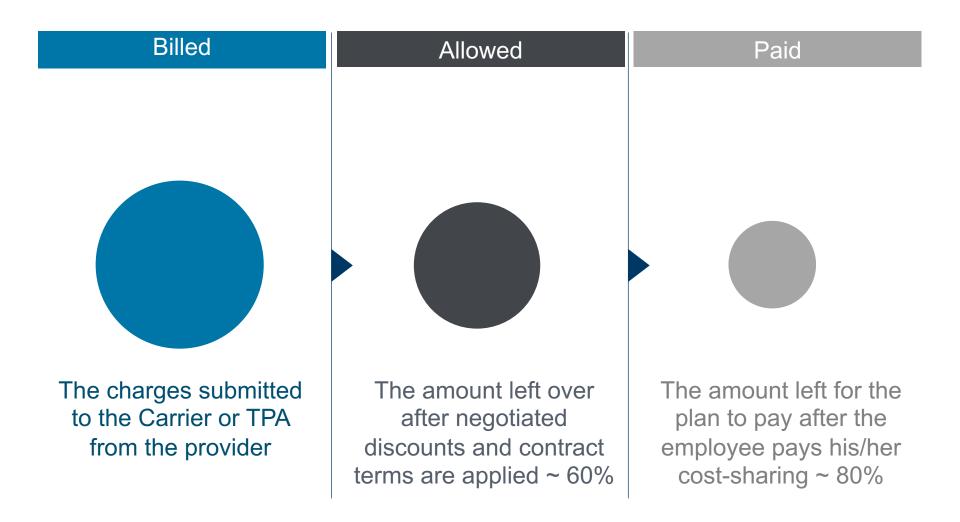
2		2021			2022	20		2022	9
	Total			Total			Total		
Claim	Allowed	EE Paid	Plan Paid	Allowed	Employee	Employer	Allowed	Employee	Employer
1	\$17,209	\$3,500	\$13,709	\$18,242	\$3,500	\$14,742	\$18,242	\$3,650	\$14,592
2	\$6,541	\$2,108	\$4,433	\$6,933	\$2,187	\$4,747	\$6,933	\$2,275	\$4,659
3	\$11,694	\$3,139	\$8,555	\$12,396	\$3,279	\$9,117	\$12,396	\$3,367	\$9,029
4	\$3,583	\$1,517	\$2,066	\$3,798	\$1,560	\$2,238	\$3,798	\$1,648	\$2,150
5	\$12,754	\$3,351	\$9,403	\$13,519	\$3,500	\$10,019	\$13,519	\$3,592	\$9,927
6	\$23,747	\$3,500	\$20,247	\$25,172	\$3,500	\$21,672	\$25,172	\$3,650	\$21,522
7	\$15,926	\$3,500	\$12,426	\$16,882	\$3,500	\$13,382	\$16,882	\$3,650	\$13,232
8	\$1,551	\$1,110	\$441	\$1,644	\$1,129	\$515	\$1,644	\$1,217	\$427
9	\$16,822	\$3,500	\$13,322	\$17,831	\$3,500	\$14,331	\$17,831	\$3,650	\$14,181
10	\$961	\$961	\$0	\$1,019	\$1,004	\$15	\$1,019	\$1,019	\$0
11	\$5,748	\$1,950	\$3,798	\$6,093	\$2,019	\$4,074	\$6,093	\$2,107	\$3,986
12	\$15,625	\$3,500	\$12,125	\$16,563	\$3,500	\$13,063	\$16,563	\$3,650	\$12,913
13	\$18,424	\$3,500	\$14,924	\$19,529	\$3,500	\$16,029	\$19,529	\$3,650	\$15,879
14	\$16,370	\$3,500	\$12,870	\$17,352	\$3,500	\$13,852	\$17,352	\$3,650	\$13,702
15	\$8,259	\$2,452	\$5,807	\$8,755	\$2,551	\$6,204	\$8,755	\$2,639	\$6,116
16	\$11,216	\$3,043	\$8,173	\$11,889	\$3,178	\$8,711	\$11,889	\$3,266	\$8,623
17	\$14,658	\$3,500	\$11,158	\$15,537	\$3,500	\$12,037	\$15,537	\$3,650	\$11,887
18	\$2,633	\$1,327	\$1,306	\$2,791	\$1,358	\$1,433	\$2,791	\$1,446	\$1,345
19	\$5,310	\$1,862	\$3,448	\$5,629	\$1,926	\$3,703	\$5,629	\$2,014	\$3,615
20	\$5,344	\$1,869	\$3,475	\$5,665	\$1,933	\$3,732	\$5,665	\$2,021	\$3,644
21	\$10,862	\$2,972	\$7,890	\$11,514	\$3,103	\$8,411	\$11,514	\$3,191	\$8,323
Total	\$225,237	\$55,660	\$169,577	\$238,751	\$56,725	\$182,026	\$238,751	\$59,000	\$179,752
				6.0%	1.9%	7.3%	6.0%	6.0%	6.0%

Benefit:

		0.070	1.370 7.3	70 0.070	0.070	0.070
\$1,000	Deductible	\$1,000	Deductible	\$1,110	Deductible	
20%	Coinsurance	20%	Coinsurance	20%	Coinsurance	
\$3,500	OOPM	\$3,500	ООРМ	\$3,650	OOPM	

Pro question: What principle explains why the employer's share of costs increased 7.3% more than total costs?

Do you remember this slide?





Pro question: Do you know what aspect of benefits is reflected in allowed costs? Hint: it's also reflected in billed trend

Underwriting Trend

Unit cost trend

Utilization trend

Severity

Mix

Demographics

Enrollment

Benefits

Risk margin

Underwriting trend (used for rates / budgets)

Concept

- ✓ Related to allowed trend
- ✓ Not related to allowed trend
- ✓ Not group-specific
- ✓ Slow to react
- √ Forward looking
- ✓ Includes 2-3% margin

During COVID

- ✓ Didn't reduce trend for claims drop
- √ May have increased trend for risk

After COVID

- ✓ May add 0.5% 1.5% additional margin for risk
- ✓ So 6-8% depending
- ✓ Macroeconomic factors



Strategies



Plan Design

Coinsurance-focused plan designs pass trend increases on to employees vs. copaystyle plans protect them

Benefits that have adapted to new ways of delivering care – coverage of telehealth, digital testing / diagnostics

At-home care?



Financials

Prepare clients for higher trends 2022 – 2025

Build in explicit additional margin into underwriting trends 0.5% - 1.5% maybe more depending on client's risk tolerance

Understand how your client's industry / geography was impacted by COVID – might be different than what you're reading

Understand that high trends in 2021 were largely a result of coming out of a low 2020



Services

Keep an eye on your employee's health when it comes to heart disease, diabetes, mental health and substance use disorders

Do your current treatment options provide adequate access? Do they reach all different populations?

Are you leveraging leading-edge diagnostics / therapeutics? At-home testing, at-home diagnostic tools, remote monitoring, biometrics, symptom reporting

Education, education, education – no point in having services your members don't know about or don't know how to access





Did you learn at least 1 thing today?

Yes

No



What was the most interesting thing you learned today (assuming "trend" is interesting)?

What will you take back to your clients?





A business of Marsh McLennan

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