United States of America, et al. v. UnitedHealth Group Inc. & Change Healthcare Inc.

Dr. Gautam Gowrisankaran

Professor of Economics, Columbia University

Prof. Gautam Gowrisankaran

Overview

Horizontal Harm

Vertical Harm

Efficiencies & Commitments

Conclusion

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The proposed merger is likely to substantially lessen competition in the following ways:

United's acquisition of ClaimsXten is likely to substantially lessen competition due to both the horizontal consolidation of first-pass claims editing solutions and the vertical concerns of United controlling a key input for its rival health insurers

With control of Change's EDI clearinghouse, United would have the ability and incentive to raise its health insurer rivals' costs for innovations built on Change's EDI connectivity, which is likely to substantially lessen competition in the relevant health insurance markets relative to the but-for world

United will gain access and the rights to use rival health insurers' competitively sensitive information, which is likely to substantially reduce competition in the relevant health insurance markets relative to the but-for world

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Relevant Markets

Identify product and geographic region in which competitive concern may arise

Analyze potential substitutes

Relevant Markets

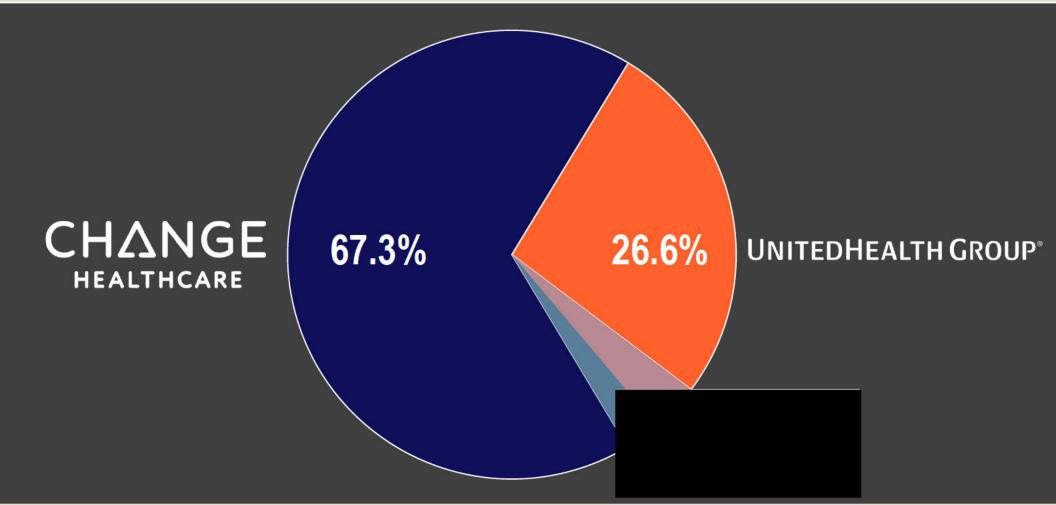
Hypothetical Monopolist Test:

Would a hypothetical monopolist likely find it profitable to impose at least a small but significant non-transitory increase in price ("SSNIP")?

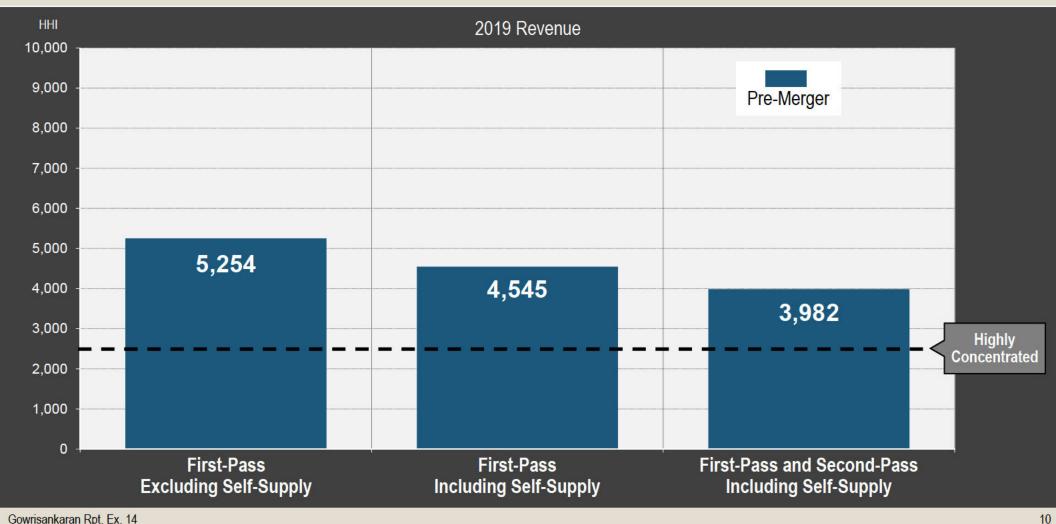
Relevant Market with Horizontal Harm

The proposed merger is likely to substantially lessen competition in the market for the sale of first-pass claims editing solutions in the United States

First-Pass Claims Editing Solutions Market Shares



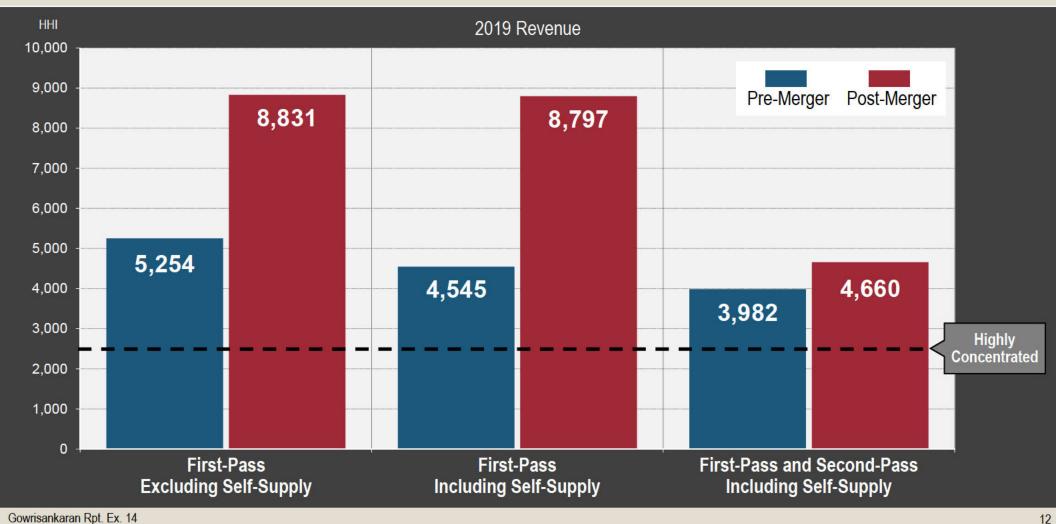
First-Pass Claims Editing Solutions: HHI Before Merger



Horizontal Harm

United's acquisition of ClaimsXten is likely to substantially lessen competition due to the horizontal consolidation of first-pass claims editing solutions

First-Pass Claims Editing Solutions: HHI Before and After Merger



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Relevant Markets with Vertical Harm

Sale of commercial health insurance to national accounts in the United States

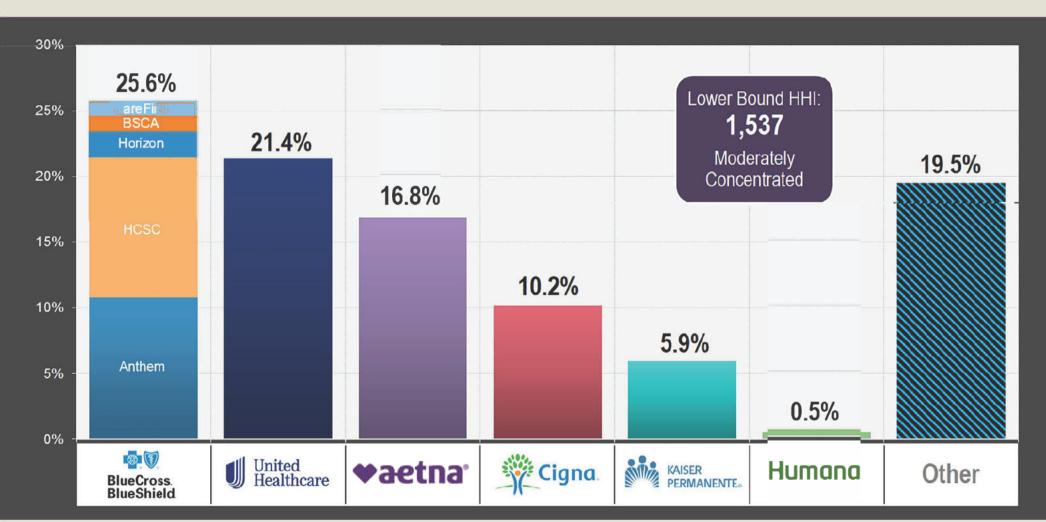
Sale of commercial health insurance to large group employers in Core Based Statistical Areas that are also Metropolitan Statistical Areas

Relevant Markets with Vertical Harm

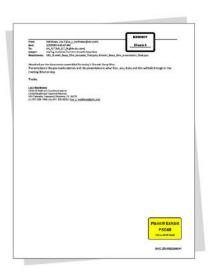
Sale of commercial health insurance to national accounts in the United States

Sale of commercial health insurance to large group employers in Core Based Statistical Areas that are also Metropolitan Statistical Areas

National Accounts Market Shares (2019)

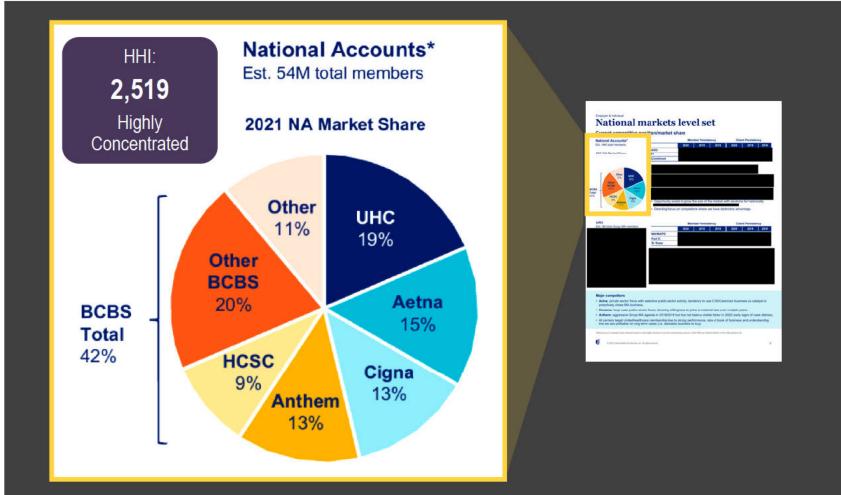


United's National Accounts Market Share



United Healthcare Growth Deep Dive (2020)





17

PX040

Relevant Markets with Vertical Harm

Sale of commercial health insurance to national accounts in the United States

Sale of commercial health insurance to large group employers in Core Based Statistical Areas that are also Metropolitan Statistical Areas

Large Group Market Shares

SOUTH ATLANTIC

VA: Roanoke

GA: Atlanta, Sandy Springs,

Roswell

VA-NC: Virginia Beach, Norfolk,

Newport News

FL: Lakeland, Winter Haven

3,227

2,141

1,668

1,399

At least 42 MSAs Highly Concentrated At least 45 MSAs Moderately Concentrated

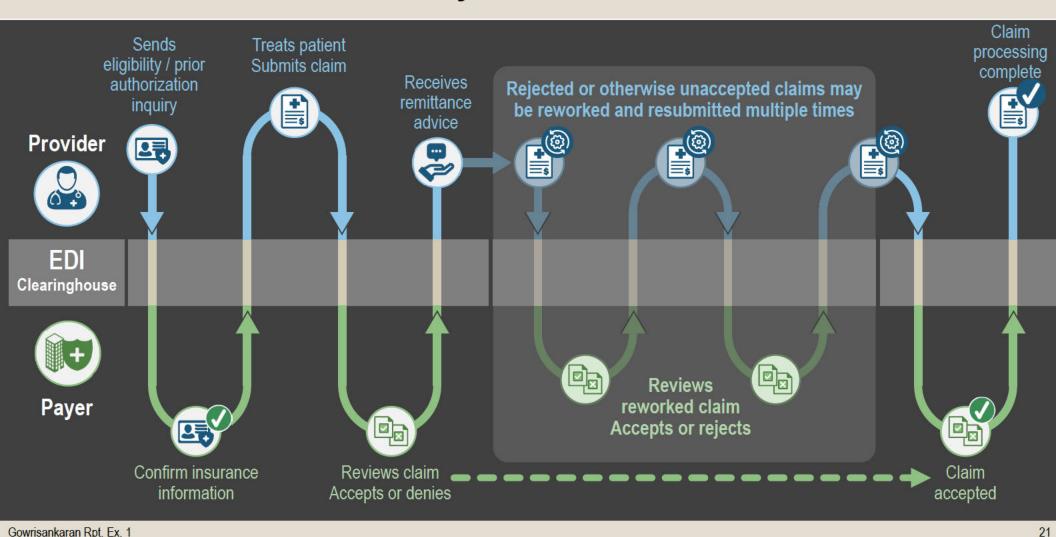
Related Products

EDI Clearinghouses

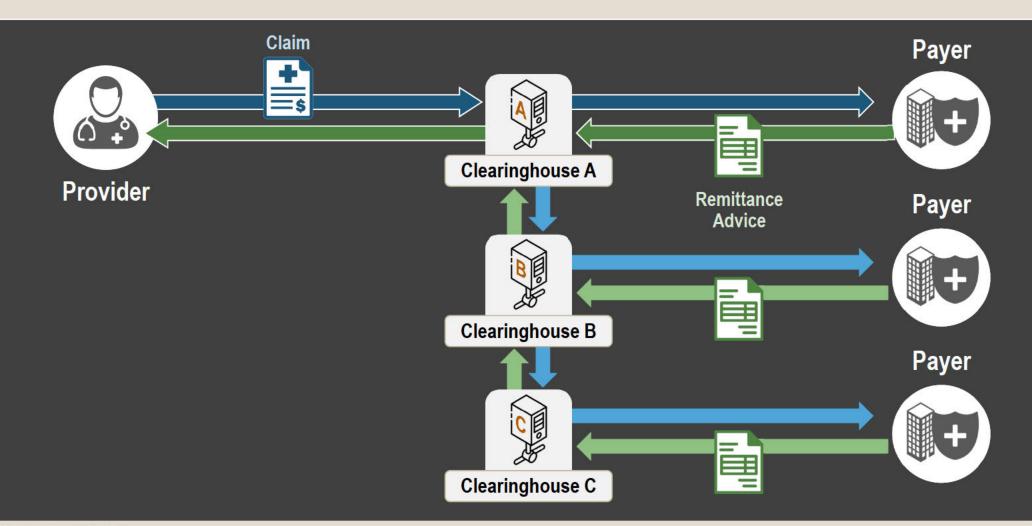
EDI-Related Innovations

First-Pass Claims Editing Solutions

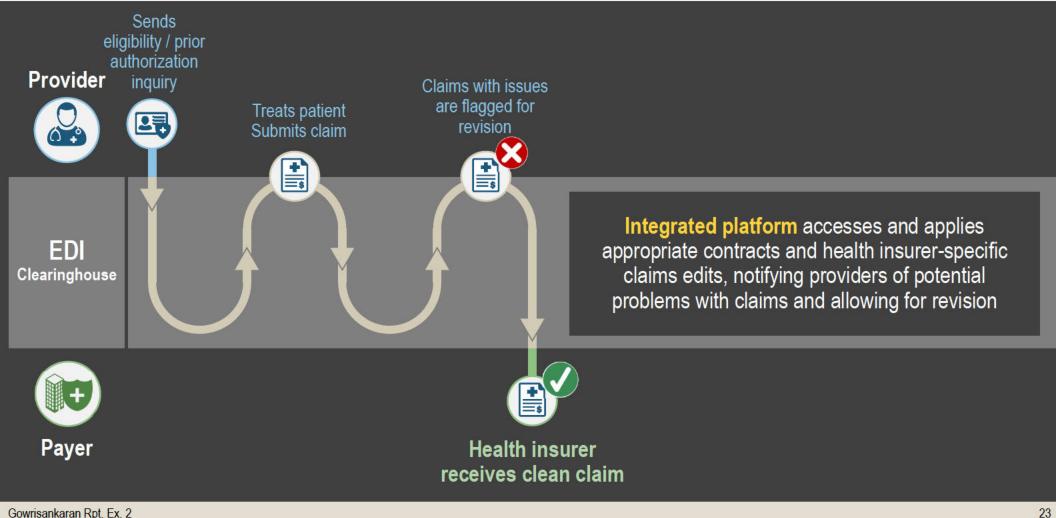
Lifecycle of a Claim



Transmission Paths of Claims



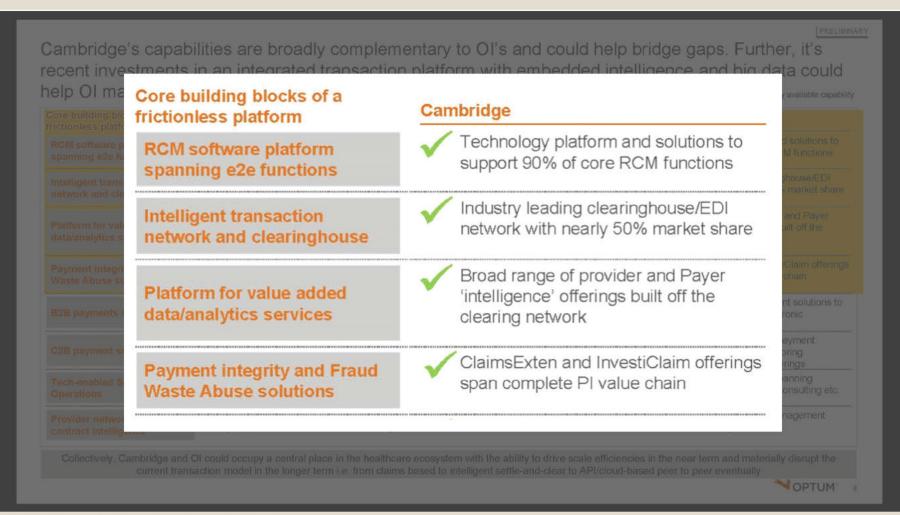
Vision for Denial-Free Lifecycle of a Claim



- With the elimination of Change, United will have a unique advantage in developing innovations associated with EDI clearinghouses
- United will have an incentive to delay or limit sales of EDI-related innovations to rival health insurers
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Core Building Blocks



Core Building Blocks

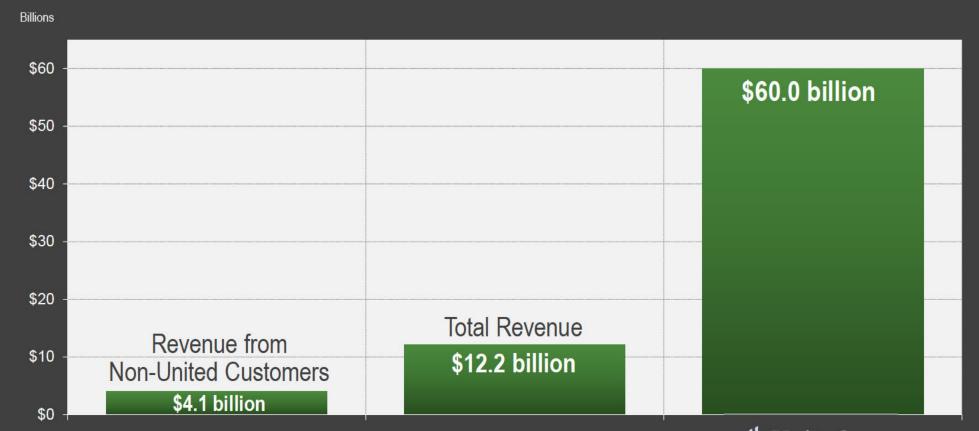
	Revenue Cycle Management	EDI Clearinghouse	Claims Editing Solution
CHANGE HEALTHCARE			
UNITEDHEALTH GROUP®			
* WAYSTAR	Ø		
Availity.	Ø		
experian.	Ø		
COTIVITI			
Burgess			

Gowrisankaran Rpt. Ex. 11

28

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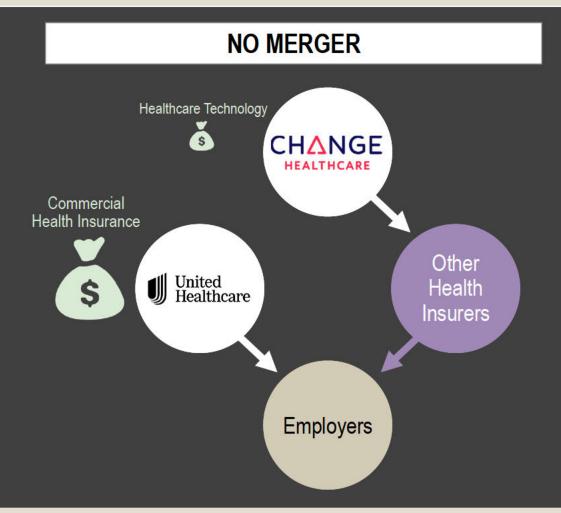
OptumInsight vs. UHC Commercial Health Insurance Revenue (2021)



Optum Insight



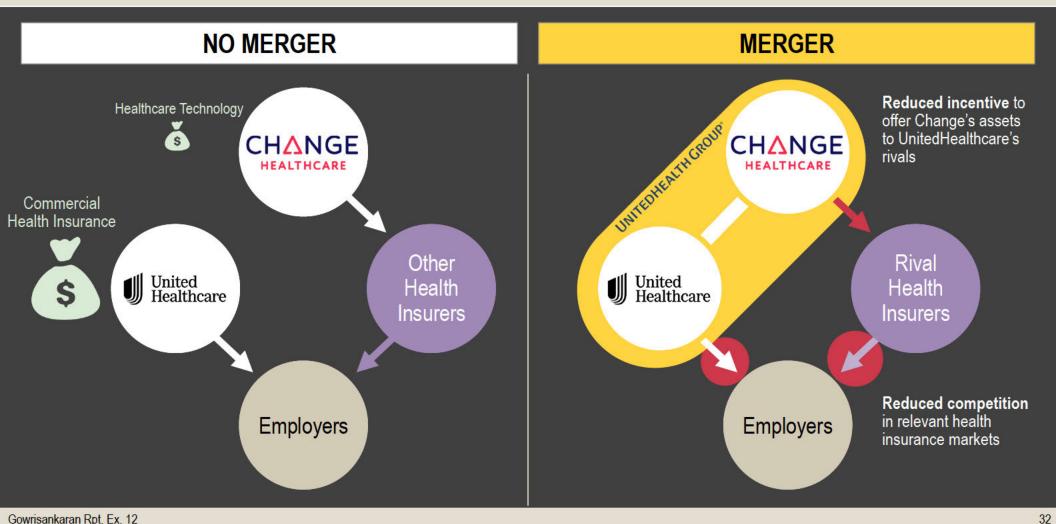
Vertical Harm: Raising United's Rivals' Costs



Gowrisankaran Rpt. Ex. 12

31

Vertical Harm: Raising United's Rivals' Costs



Two Fundamental Pieces of Vertical Math Calculation

Foregone Upstream Profits

The total profits on foregone upstream sales to rivals

 Specify that United delays or limits sales of EDIrelated innovations to its four largest rivals

Profits Gained Downstream

The total profits that
United would gain for every
member its rivals lose

- The profits United would obtain from each member it gains
- The percentage of members leaving targeted rival plans that United can expect to capture

Two Fundamental Pieces of Vertical Math Calculation

Foregone Upstream Profits

The total profits on foregone upstream sales to rivals

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- United's expected TN EBITDA (2026): \$

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Profits Gained Downstream

The total profits that
United would gain for every
member its rivals lose

- The profits United would obtain from each member it gains: \$ per member per year*
- The percentage of members leaving targeted rival plans that United can expect to capture:

^{*} Based on margin for Key Accounts and National Accounts

Assess the Tradeoff



Gowrisankaran Rpt., p. 130-31

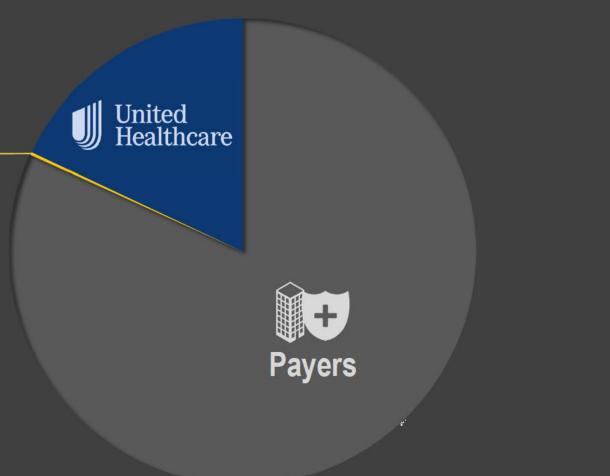
36

Vertical Math

United Would Need to Gain

0.2% Market Share

to Make Up for Lost Profits



Gowrisankaran Rpt. Ex. 13

United Has Delayed Sales of Innovative Products

	Payer Client S	Segment	Product Name	Payer Client Segment	
Product Name	Commercial Payer	UHC		Commercial Payer	UHC
Impact Intelligence	✓	4	Fraud and Abuse		1
Impact Pro	1	1	Payment Integrity Provider Education	1	1
Optum Performance Analytics (OPA)	✓		Post-Pay Claims Validation	¥	1
Symmetry		1	Pre-Pay Claims Validation	/	1
Lab Benefits Management	· ·	✓	Fee Negotiation	√	1
Advisory Services - Payer Analytics	✓	1	Analyzers	1	1
Advisory Services - Payer Strategy	1	1	APC Assistant (Payer)	√	1
Payer Advisory Service					
Professional Staffing Stepwise (including UW Cost	ortfolio	Optin	nization (PO)	V	· · ·
Auto-Rate/Decision Tre	ortfolio	Optin	nization (PO)	V	
Grava Rick Analytics (GRA)	1 /	· ·	Jabrogation	· ·	. 1
Portfolio Optimization (PO)	ortfolio	Optin	Medical Record Review	1	· · · · · · · · · · · · · · · · · · ·
Portfolio Optimization (PO)	1 /	<i>y y</i>	Medical Record Review Quality Management Services	\(\frac{\psi}{\psi}\)	* * * * * * * * * * * * * * * * * * *
Portfolio Optimization (PO) Administrative Solutions Consumer Sales and Services	1 /	* * * * * * * * * * * * * * * * * * *	Medical Record Review Quality Management Services Risk Adjustment Services	\(\frac{\psi}{\psi}\)	* * * * * * * * * * * * * * * * * * *
Portfolio Optimization (PO) Raministrative solutions Consumer Sales and Services Outcome Based Contract Enablement	\frac{}{}	<i>y y</i>	Medical Record Review Quality Management Services Risk Adjustment Services In Office Assessment	* * * * * * * * * * * * * * * * * * *	* * * * * * * * * * * * * * * * * * *
Portfolio Optimization (PO) Administrative Solutions Consumer Sales and Services	1 /	✓ ✓ ✓	Medical Record Review Quality Management Services Risk Adjustment Services In Office Assessment Member Engagement	* * * * * * * * * * * * * * * * * * *	\ \ \ \ \ \ \
Portfolio Optimization (PO) Administrative soutions Consumer Sales and Services Outcome Based Contract Enablement	\frac{}{}	* * * * * * * * * * * * * * * * * * *	Medical Record Review Quality Management Services Risk Adjustment Services In Office Assessment Member Engagement Data Validation	* * * * * * * * * * * * * * * * * * *	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Portfolio Optimization (PO) Administrative Solutions Consumer Sales and Services Outcome Based Contract Enablement CES Second Pass	\frac{}{}	✓ ✓ ✓	Medical Record Review Quality Management Services Risk Adjustment Services In Office Assessment Member Engagement Data Validation Retrospective Chart Services	* * * * * * * * * * * * * * * * * * *	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \
Portfolio Optimization (PO) Administrative Solutions Consumer Sales and Services Outcome Based Contract Enablement CES Second Pass CES Services	\(\frac{1}{4} \)	* * * * * * * * * * * * * * * * * * *	Medical Record Review Quality Management Services Risk Adjustment Services In Office Assessment Member Engagement Data Validation Retrospective Chart Services Submission Services	* * * * * * * * * * * * * * * * * * *	\ \ \ \ \ \ \ \ \ \
Portfolio Optimization (PO) Administrative Solutions Consumer Sales and Services Outcome Based Contract Enablement CES Second Pass CES Services CES Software	\frac{1}{\sqrt{1}}	* * * * * * * * * * * * * * * * * * *	Medical Record Review Quality Management Services Risk Adjustment Services In Office Assessment Member Engagement Data Validation Retrospective Chart Services	* * * * * * * * * * * * * * * * * * *	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \

United's Opening Statement, Slide 69

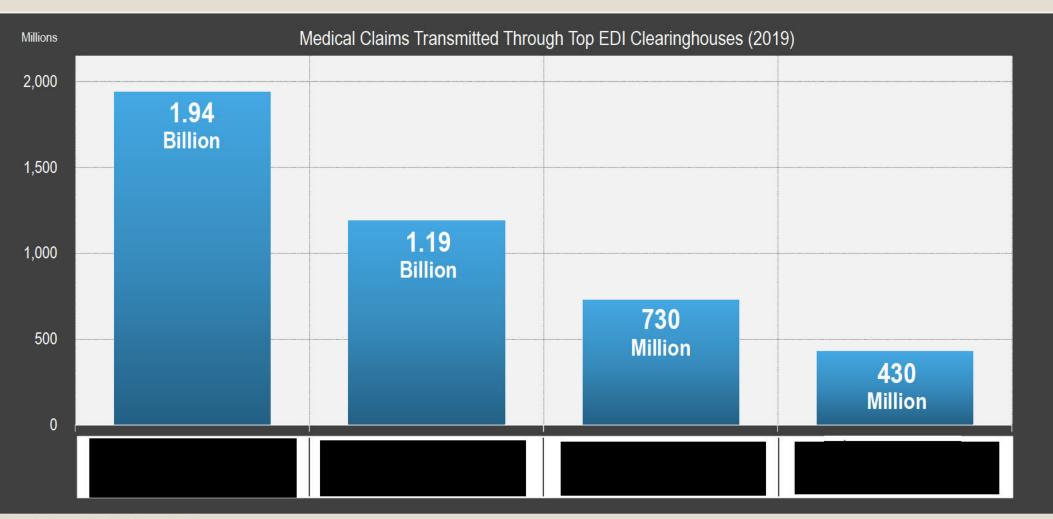
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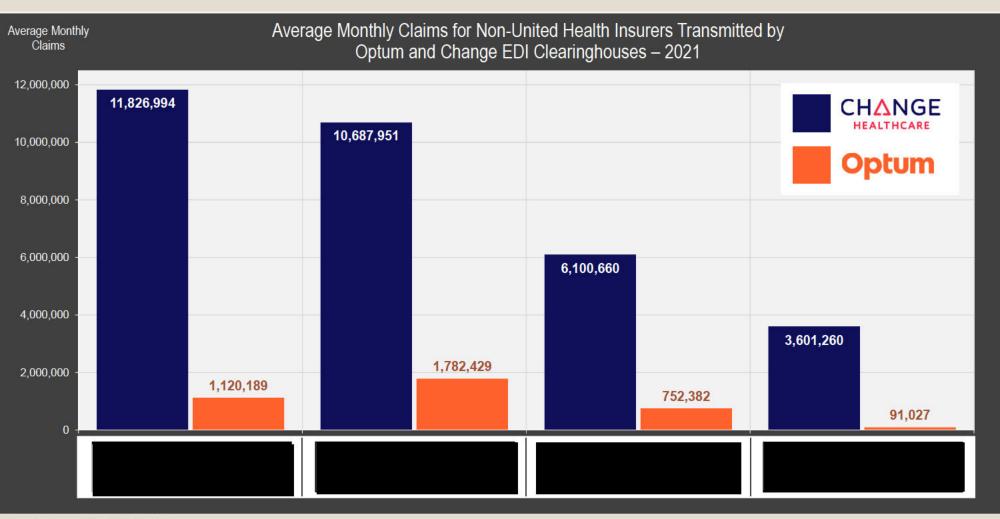
Data: The Largest EDI Clearinghouse



Gowrisankaran Rebuttal Rpt., p. 52-53

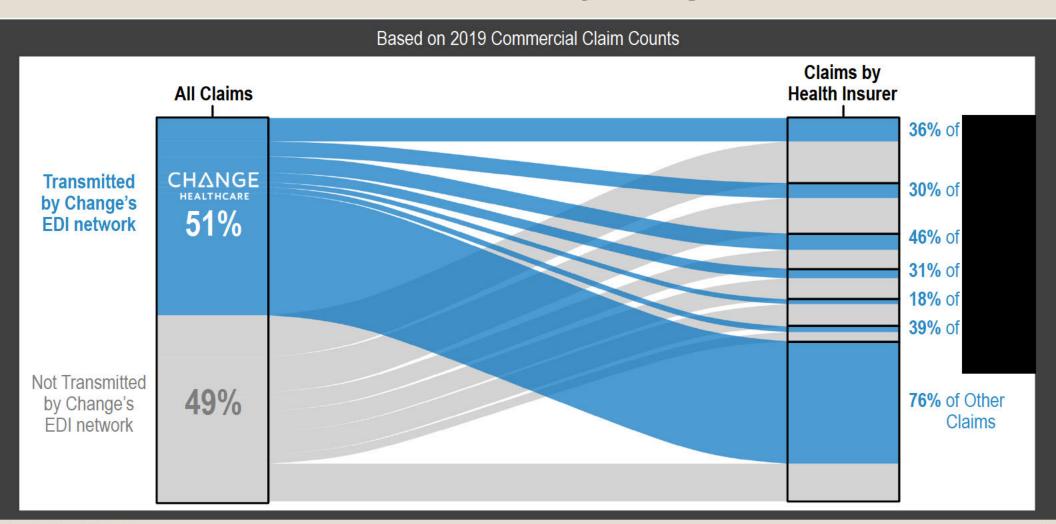
43

Data: Change Transmits Tens of Millions of Claims Each Month



Gowrisankaran Rebuttal Rpt. Ex. 3

Data: Claims Data Transmitted by Change (Claim Counts)



Gowrisankaran Rpt. Ex. 8 45

Data: Claims Data Transmitted by Change (Adjudicated Value)



Optum Due Diligence on Change ("Cambridge") (2021)



Project Cambridge Key Due Diligence Considerations

Enterprise Data Opportunities Due Diligence

Performed by: Paul Higday

12/13/2020

Estimated Cambridge data share as a percent of total market (Figure 1):

Medical Claims: 50%Rx Claims/Scripts: 11%

Dental Claims: 63%

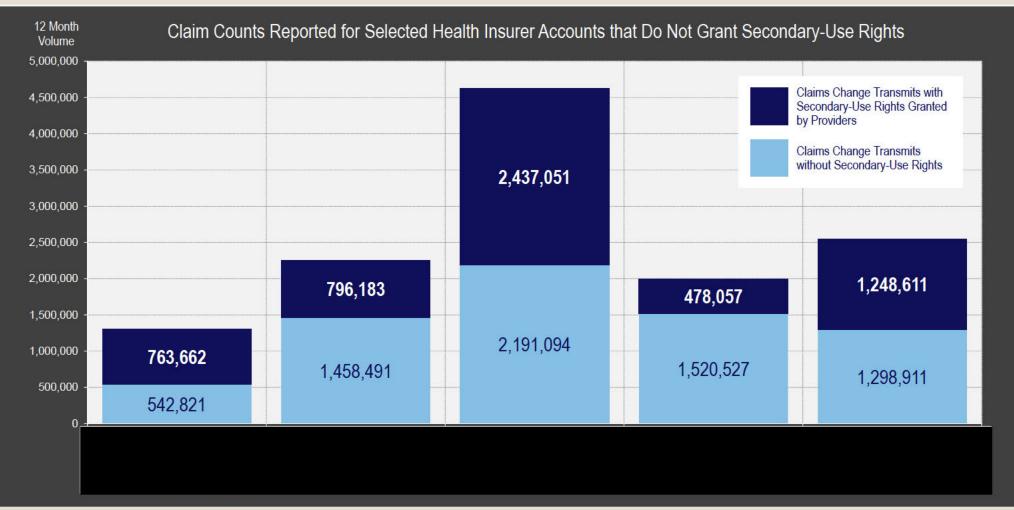
Consumer to Business Payments (e.g. copays): <1%

Business 2 business Payments (e.g. insurance payments): 5%

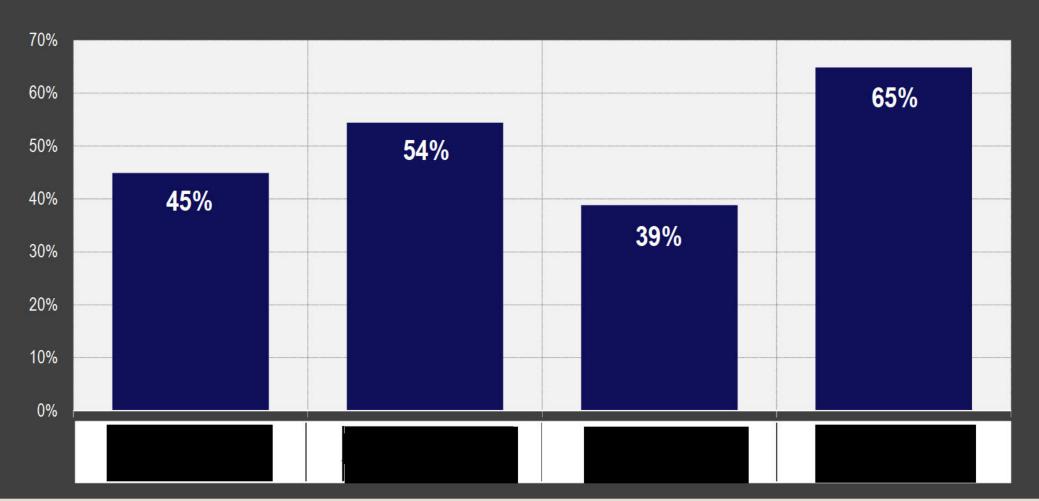
PX026

- United would gain <u>secondary-use rights</u> to substantial data that include rival health insurers' competitively sensitive information
- Rights to use rivals' competitively sensitive information would likely cause a substantial lessening of competition in the relevant health insurance markets

Rights: Change's Partial Analysis of Secondary-Use Rights



Rights: Change's Share of Claims with Secondary-Use Rights (2019)



Gowrisankaran Rebuttal Rpt., Workpaper 2

Secondary Use Rights



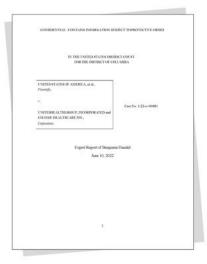
Tim Suther
Senior VP and GM
of Data Solutions,
Change

- **Q.** And you were writing to describe how Change should classify the secondary-use rights it receives in its new contracts?
- A. Yes.
- Q. And the first category you identified is unfettered rights; correct?
- A. Yes, which is our standard data rights language.



- United would gain secondary-use rights to substantial data <u>that</u> <u>include rival health insurers' competitively sensitive information</u>
- Access and rights to use rivals' competitively sensitive information would likely cause a substantial lessening of competition in the relevant health insurance markets

Competitively Sensitive Information

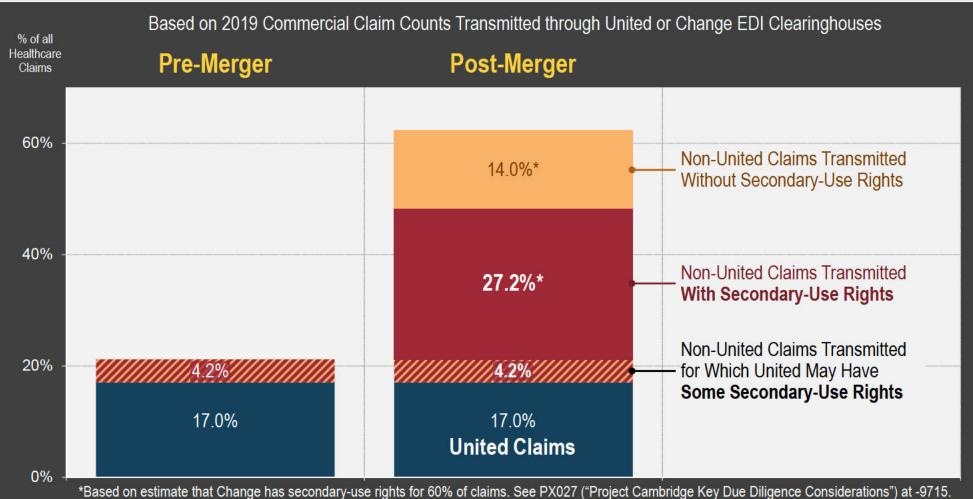


Expert Report of Dr. Handel

United could gain insights about its health insurance rivals' activities, including activities related to:
(i) utilization management tools, (ii) negotiations of reimbursement rates with providers, (iii) provider network design, and (iv) claims edits.

- <u>United would gain</u> secondary-use rights to substantial data that include rival health insurers' competitively sensitive information
- Rights to use rivals' competitively sensitive information would likely cause a substantial lessening of competition in the relevant health insurance markets

United Would Gain Substantial Secondary-Use Rights



54

Gowrisankaran Rpt. Ex. 10

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The U-Factor

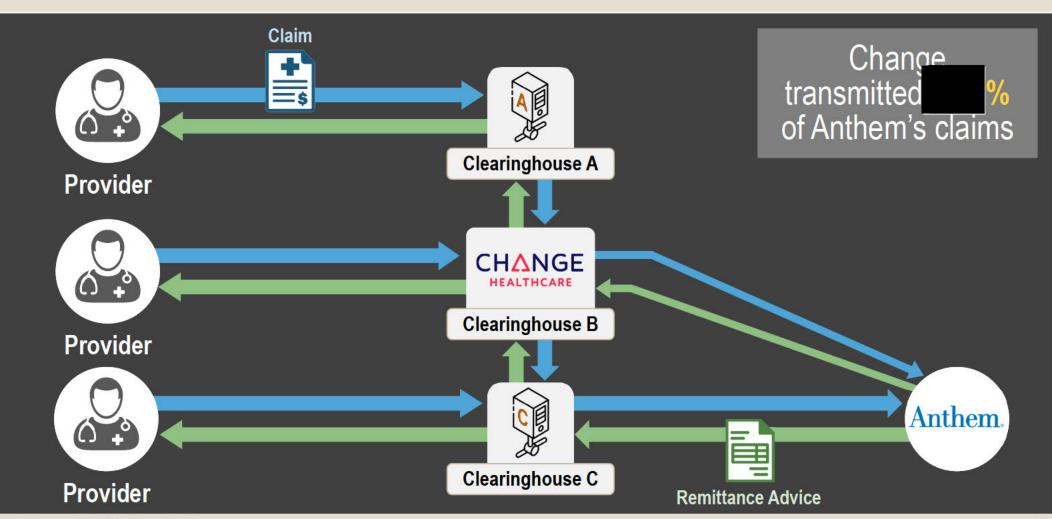


Erin Schmuker
Transparent
Network Vice
President, Optum

- Q. In particular, some payers who competed directly in the market with UnitedHealthcare have objected to Optum based on the U-factor and, therefore, would have preferred to do business with another entity, correct?
- A. Yes.

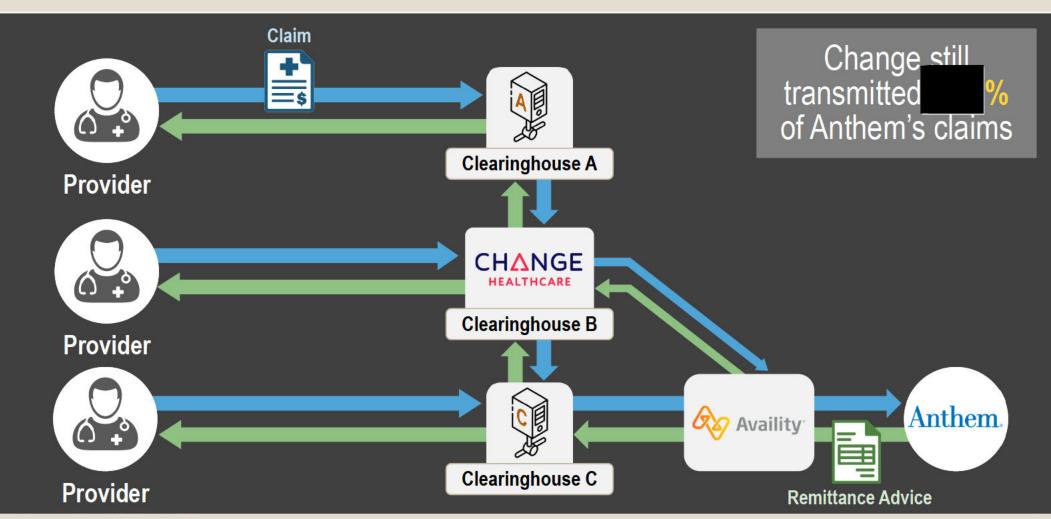


Transmission Paths of Claims: Anthem (2018)



Gowrisankaran Rebuttal Rpt., p. 51-52

Transmission Paths of Claims: Anthem (2020)



Gowrisankaran Rebuttal Rpt., p. 51-52

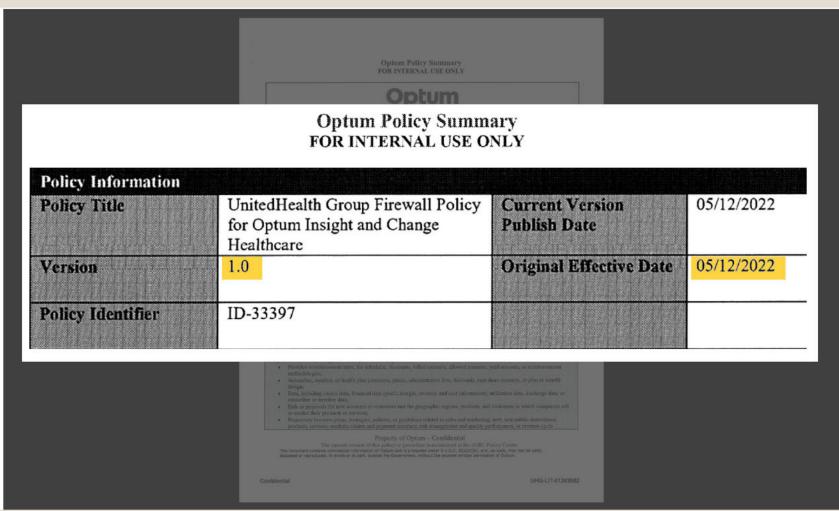
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Optum's Firewall Policy



Optum's Firewall Policy (May 2022)

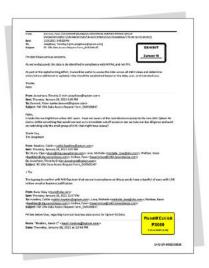




60

PX599

Mistakes Happen



Optum Emails (January 2021)



From: Josephson, Timothy G <tim.josephson@optum.com>

Sent: Thursday, January 28, 2021 6:43 PM

To: Dumont, Peter <peter.dumont@optum.com>

Subject: FW: ORx Data Access Request Form_DUR300147

Peter,

It looks like we might have a few UHC users. I was not aware of the restrictions on access to the non-UHC Optum Rx claims. Is this something that would warrant us to immediate cut off access or can we take our due diligence and work on restricting only the small group of UHC that might have access?

Thank You, Tim Josephson

One year later, there were still employees with UHC e-mail addresses with permission to access the datasets in question

PX060

United's acquisition of ClaimsXten is likely to substantially lessen competition due to both the horizontal consolidation of first-pass claims editing solutions and the vertical concerns of United controlling a key input for its rival health insurers

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