

# MarketView | Claims Analytics

Claims Data Shows IDNs' Worth:  
Reaching Sales and Business  
Objectives through Understanding  
IDN Value



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*Vertical Solutions Consultant*



## Agenda

State of the Industry – Current Challenges

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COVID-19 Impact

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Understanding the IDN through Claims Intelligence

State of the Industry

# Current Challenges



# Industry Trends

## Move from Volume-to-Value

- Pay for performance
- Prepaid care management – quality scoring
- Performance-based reimbursement programs
- Accountable care organizations
- Global capitalization

## Shifting Cost to Patients

## Increased Price Transparency

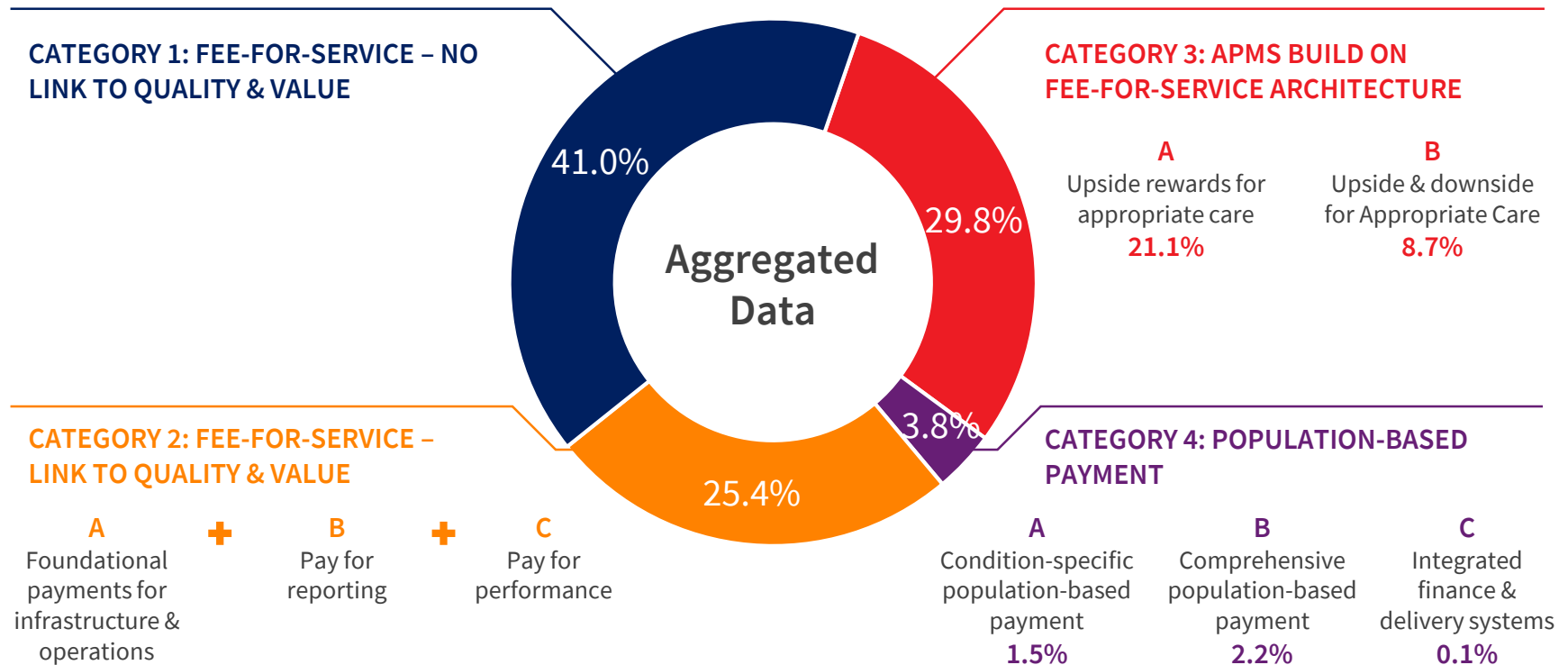
## Shopping for Healthcare

<https://healthinformatics.uic.edu/blog/shift-from-volume-based-care-to-value-based-care/>  
Based on 61 plans, 3 states, Medicare FFS



## FFS Transitions to Alternate Payment Methods (APMs):

- APMs account for 35% of payments, but represent 77% of the covered population (~226M Americans)
- Industry goals to see APMs grow to 50%+ within the next 5 years



# Industry Trends

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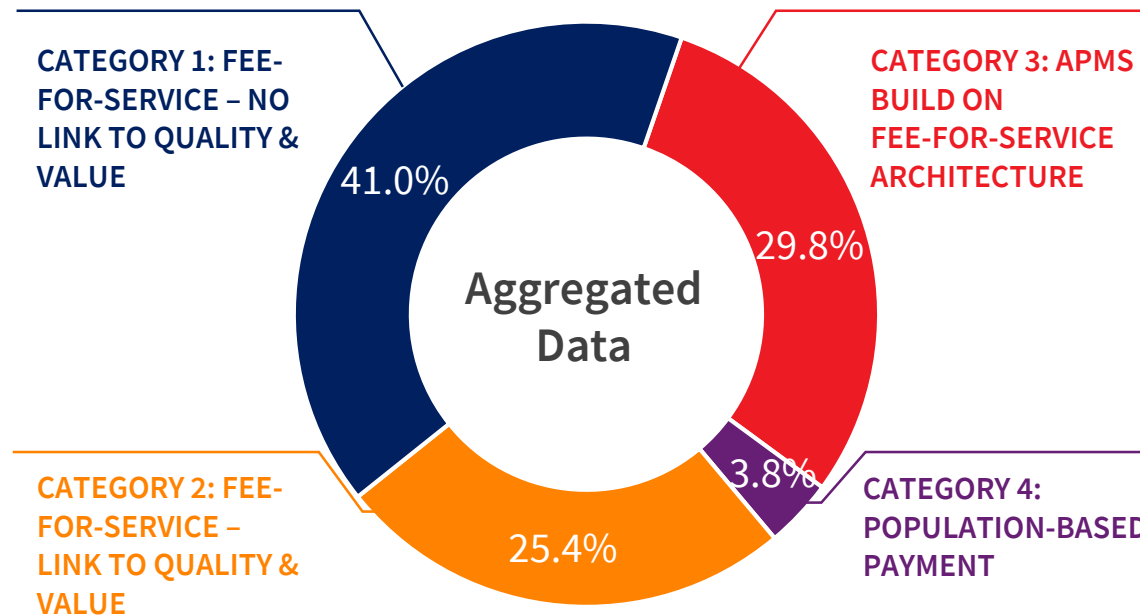
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**FFS Decline**  
is already underway

**2% Decrease**  
from the year before

**Cat. 3 & 4 Models**  
increasingly prevalent

**% of FFS Split Varies**  
by Service Plan Type

# Industry Trends

## Move from Volume-to-Value

## Shifting Cost to Patients

- Shift from PPO to High Deductible Plans
- Lowering of employer costs while increasing monthly patient insurance costs
- Patients are paying more out-of-pocket

## Increased Price Transparency

## Shopping for Healthcare

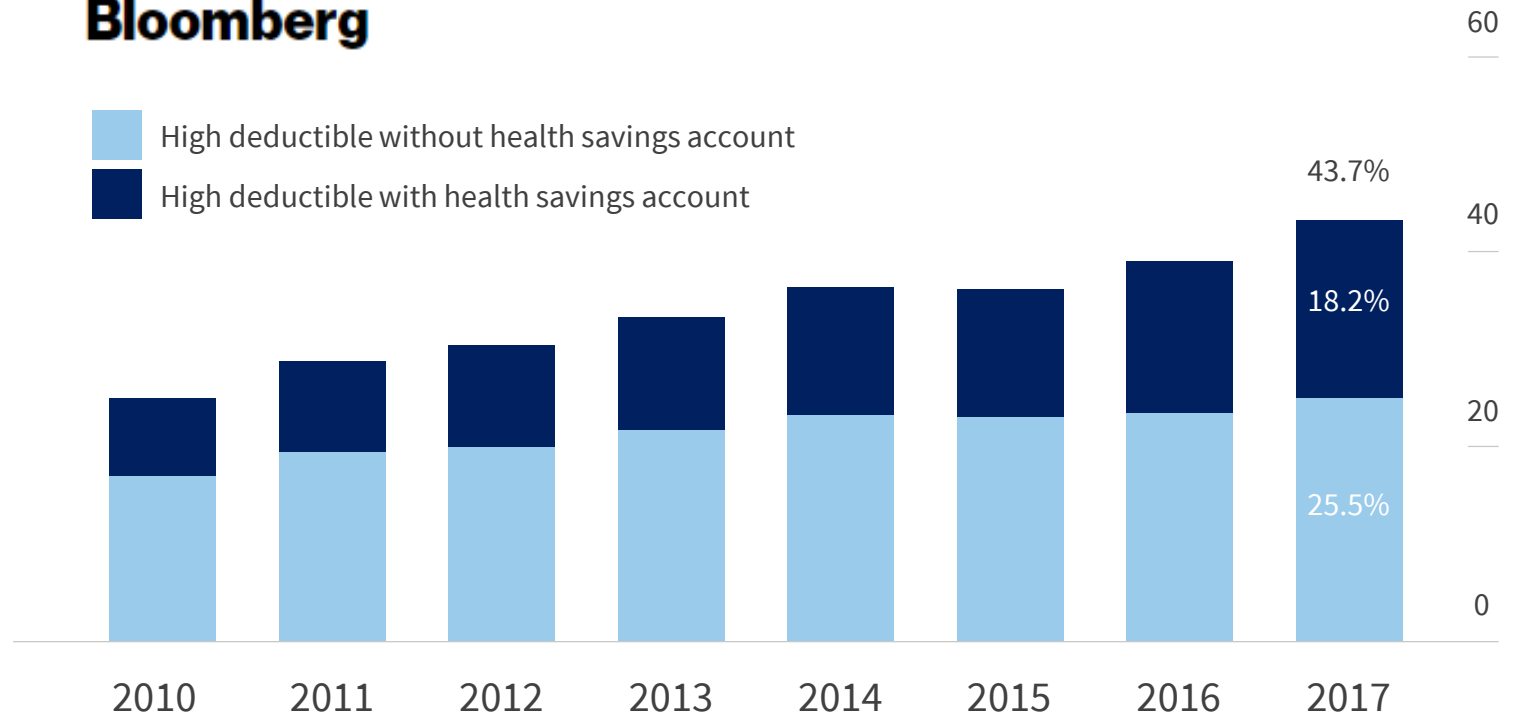
<https://www.bloomberg.com/news/features/2018-06-26/sky-high-deductibles-broke-the-u-s-health-insurance-system>



## Patients Exposed:

The share of Americans under 65 enrolled in high-deductible plans is rising quickly

## Bloomberg



# Industry Trends

Move from Volume-to-Value

Shifting Cost to Patients

## Increased Price Transparency

- Presidential Order signed in June: “Hospitals will be required to publish prices that reflect what people pay for services”
- Started with the ACA — requires hospitals to publish standard prices on the internet

## Shopping for Healthcare

<https://www.whitehouse.gov/presidential-actions/executive-order-improving-price-quality-transparency-american-healthcare-put-patients-first/>



## Publishing Standard Pricing

- Charge-Masters make patient cost difficult to discern
- Example: Hospital’s report is 456 pages long

Service ID	Service Description	Price
317637	THERAPEUTIC SERVICES - MECHANICAL SEPARATION OF PLATELET CELLS FROM BLOOD	\$3,804.00
317636	THERAPEUTIC SERVICES - MECHANICAL SEPARATION OF RED BLOOD CELLS	\$4,079.00
317635	THERAPEUTIC SERVICES - MECHANICAL SEPARATION OF WHITE BLOOD CELLS	\$2,846.00
317641	THERAPEUTIC SERVICES - MECHANICAL SEPARATION OF WHITE BLOOD CELLS AND PLATELETS FROM BLOOD	\$13,260.00
218782	THERAPEUTIC SERVICES - THERAPEUTIC REMOVAL OF WHOLE BLOOD TO CORRECT BLOOD LEVEL IMBALANCE	\$384.00
338264	TRAUMA RESPONSE - HOSPITAL CRITICAL CARE SERVICE	\$9,017.00
338263	TRAUMA RESPONSE - HOSPITAL CRITICAL CARE SERVICE	\$15,735.00
338348	TRAUMA RESPONSE - HOSPITAL CRITICAL CARE SERVICE	\$16,802.00
257621	TREATMENT ROOM - LOW FREQUENCY, NON-CONTACT, NON-THERMAL ULTRASOUND WOUND ASSESSMENT AND INSTRUCTIONS FOR ONGOING CARE, PER DAY	\$319.00
257647	TREATMENT ROOM - NEGATIVE PRESSURE WOUND THERAPY SURFACE AREA GREATER THAN 50 SQUARE CENTIMETERS	\$608.00
257646	TREATMENT ROOM - NEGATIVE PRESSURE WOUND THERAPY SURFACE AREA LESS THAN OR EQUAL TO 50 SQUARE CENTIMETERS PER SESSION	\$585.00
257501	TREATMENT ROOM - NEGATIVE PRESSURE WOUND THERAPY, SURFACE AREA GREATER THAN 50 SQUARE CENTIMETERS, PER SESSION	\$585.00
257500	TREATMENT ROOM - NEGATIVE PRESSURE WOUND THERAPY, SURFACE AREA LESS THAN OR EQUAL TO 50 SQUARE CENTIMETERS, PER SESSION	\$349.00
257574	TREATMENT ROOM - REMOVAL OF TISSUE FROM WOUNDS, PER SESSION	\$468.00
162892	TREATMENT ROOM - STRAPPING, UNNA BOOT	\$605.00
162893	TREATMENT ROOM - STRAPPING, UNNA BOOT	\$605.00
162891	TREATMENT ROOM - STRAPPING, UNNA BOOT	\$1,210.00

# Industry Trends

Move from Volume-to-Value

Shifting Cost to Patients

Increased Price Transparency

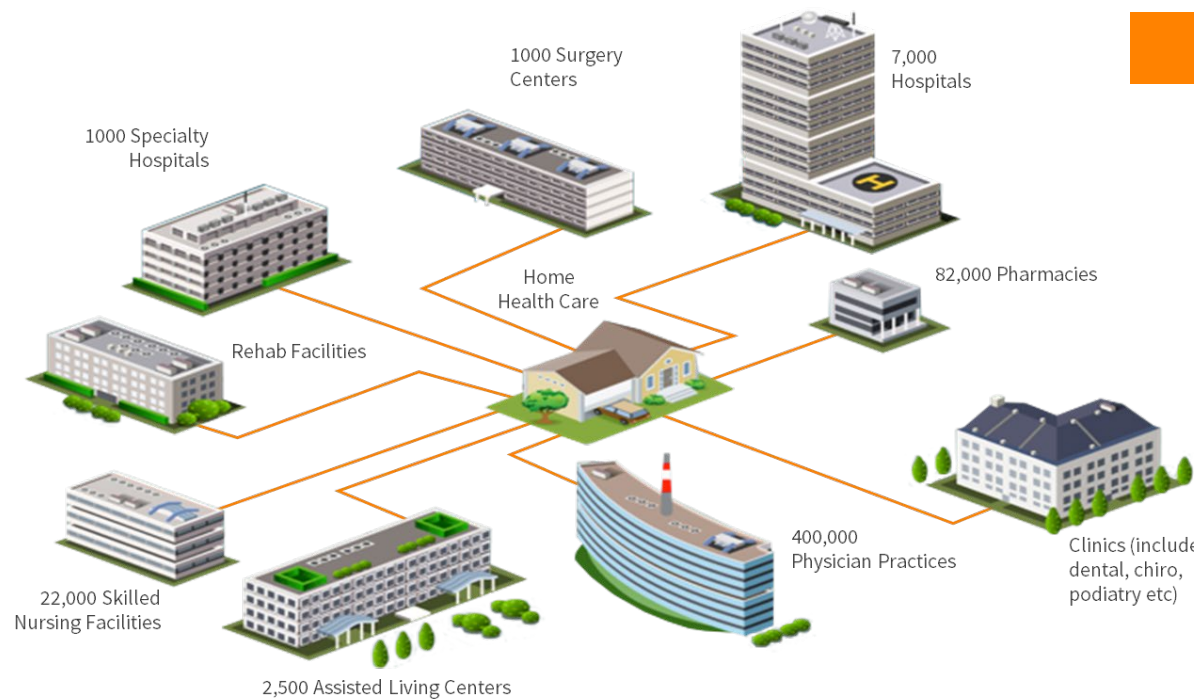
## Shopping for Healthcare

- Consumerism dominates buying preferences
- Consumers are beginning to look at price before undergoing prescribed procedures
- Where should I get my MRI done?



## The Move to Consumerism

- Capturing consumer mindshare and preference is critical for successful market penetration and product adoption
- Provider product preference and patient experiences can make-or-break how you're received



8.5 million practitioners





# Industry Trends

Move from Volume-to-Value

Shifting Cost to Patients

Increased Price Transparency

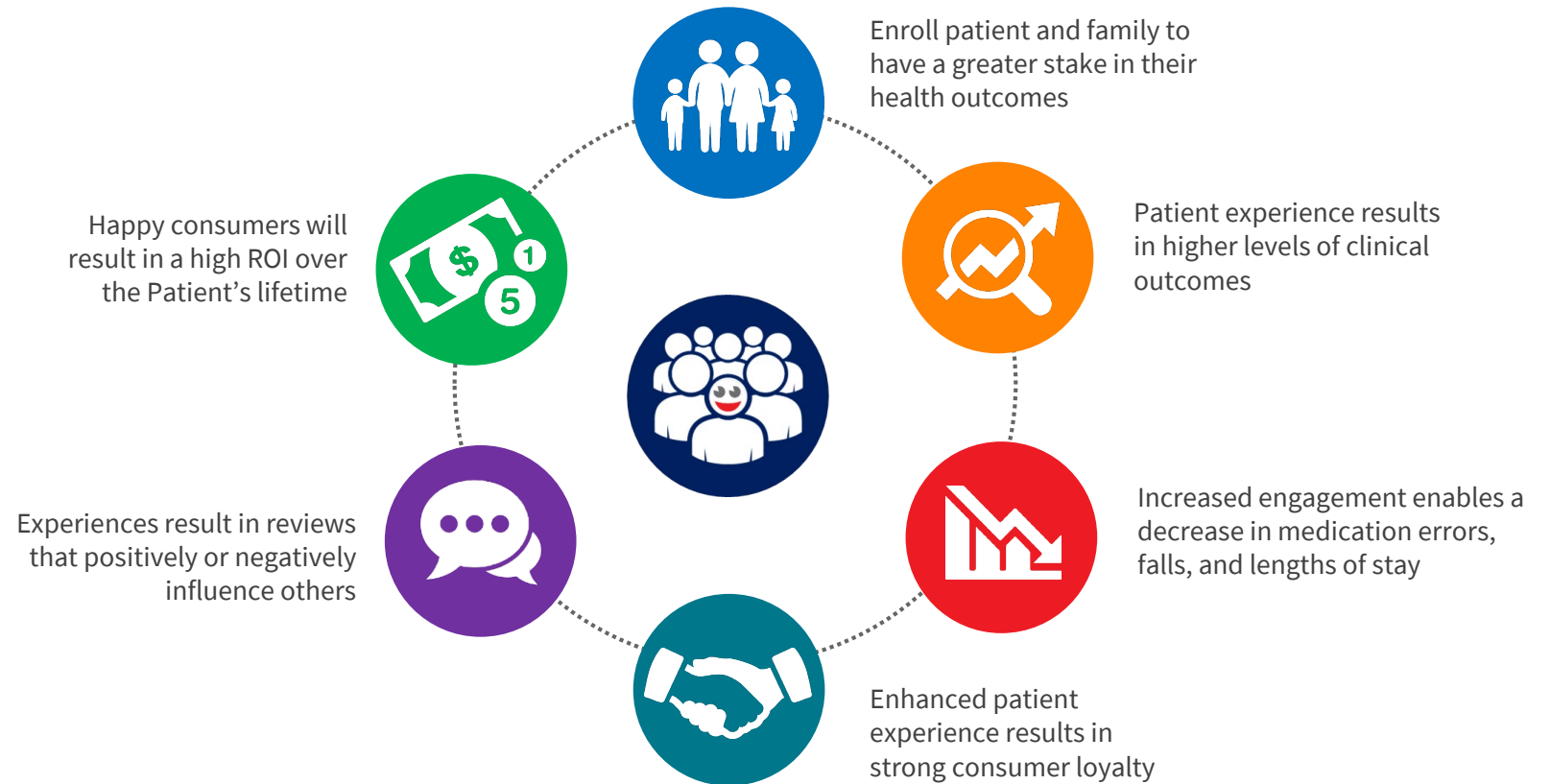
## Shopping for Healthcare

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- Where should I get my MRI done?



## The Move to Consumerism – Patient Engagement Matters

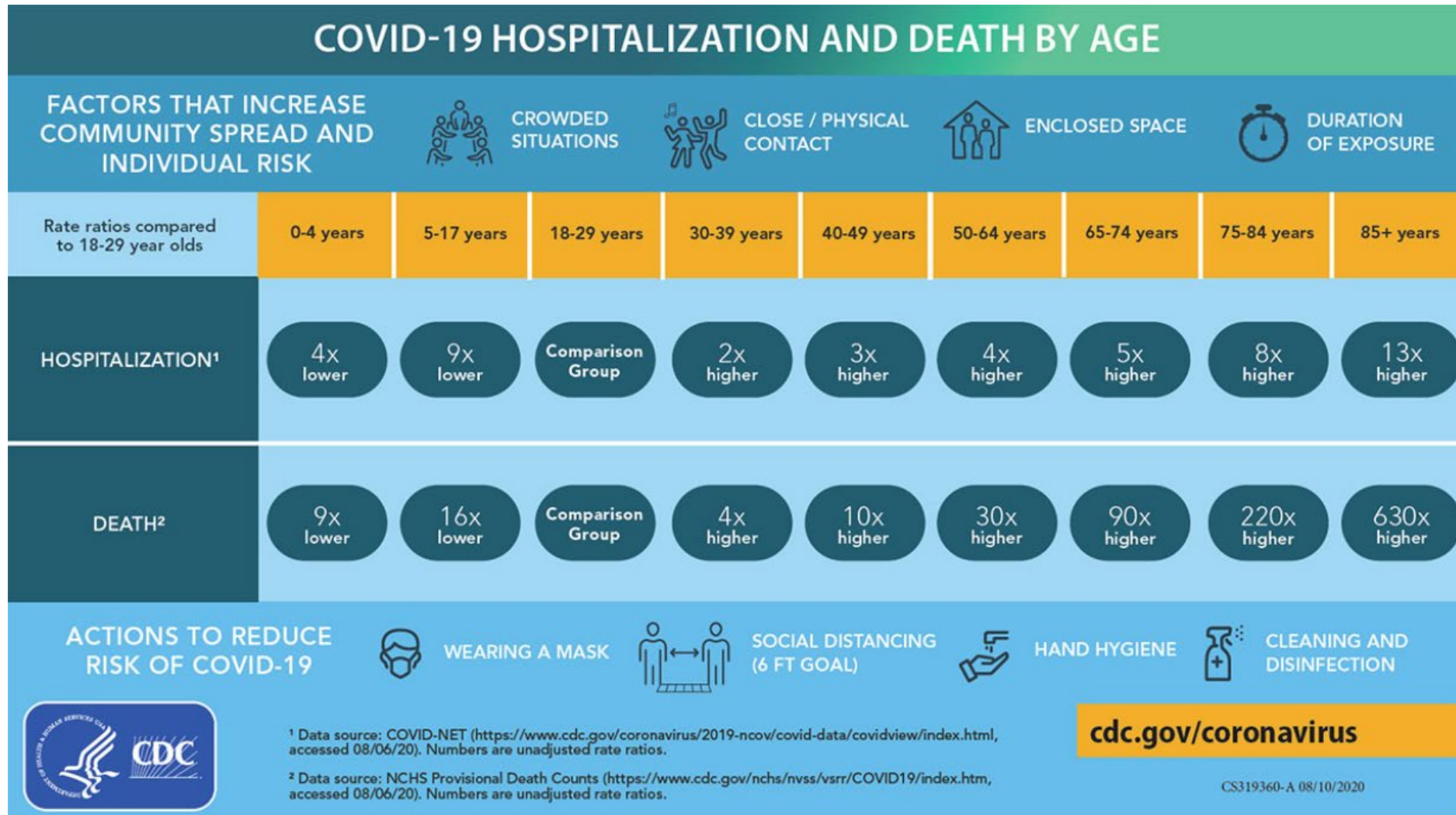
- \$1.4M: Lifetime patient value
- 62% decrease in medication errors
- 40% reduction in # of falls
- 50% decrease in length of stay
- 32% of hospital patients read the reviews first



# COVID-19 Challenges

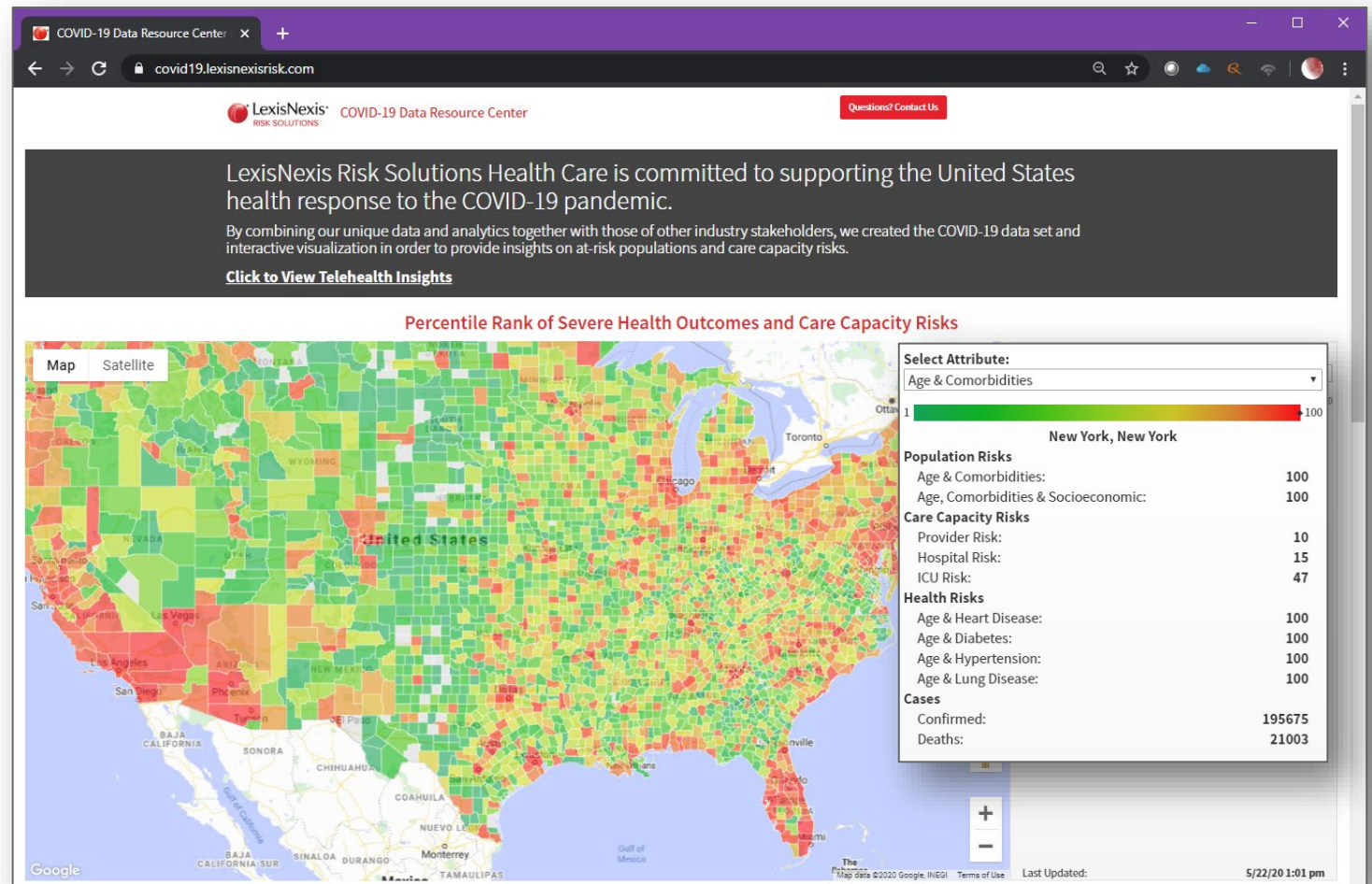


# CDC Hospitalization and Deaths by Age Group



## National Data Insights on the COVID-19 Pandemic

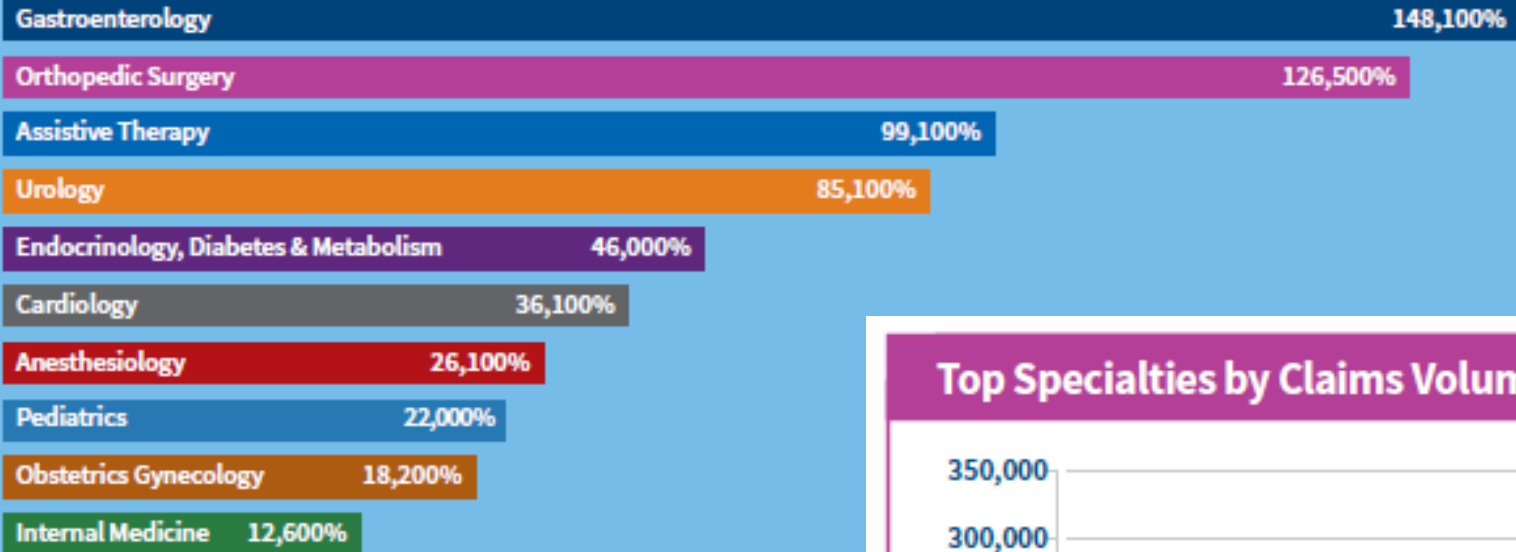
- Seeks to help address the scarcity of resources available by leveraging real-time insights relating to individuals, practitioners, and diagnoses
- Helps healthcare organizations combat and identify areas of at-risk individuals and correlated provider coverage
- Provides intelligence to ensure the effective and timely dissemination of knowledge and resources



<https://risk.lexisnexis.com/about-us/press-room/press-release/20200422-covid-19-resource-center>

# Telehealth Insights – Growth and Adoption

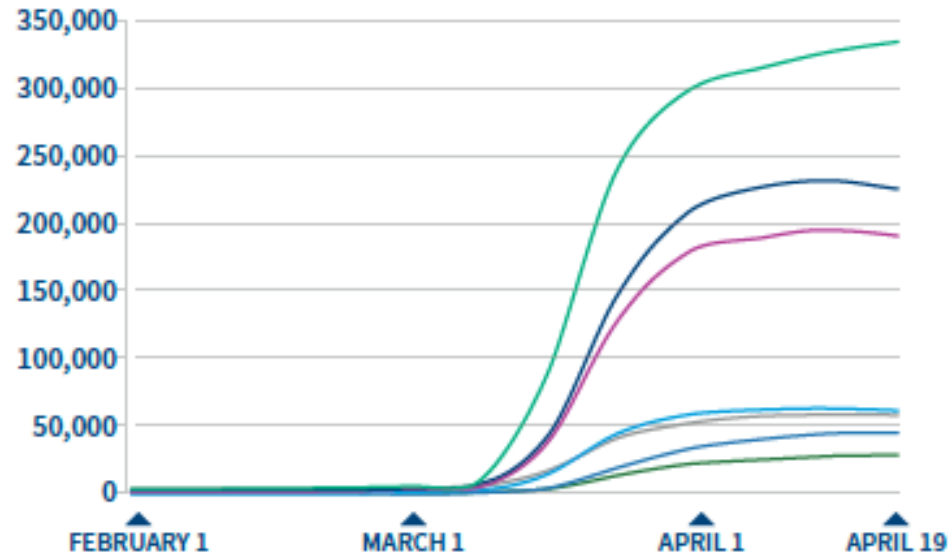
## Top 10 Specialties with Greatest % Increase\*



The nationwide expansion of telehealth has helped **maintain continuity of care** and **support social distancing requirements**

At-risk communities benefit from vital services that **reduce potential care gaps** and limit patient exposure

## Top Specialties by Claims Volumes



### APRIL TELEHEALTH CLAIMS VOLUMES

Behavioral Care	1.3M+
Family Practice	889K+
Internal Medicine	752K+
Pediatrics	242K+
Psychiatry	227K+
Assistive Therapy	171K+
Cardiology	107K+

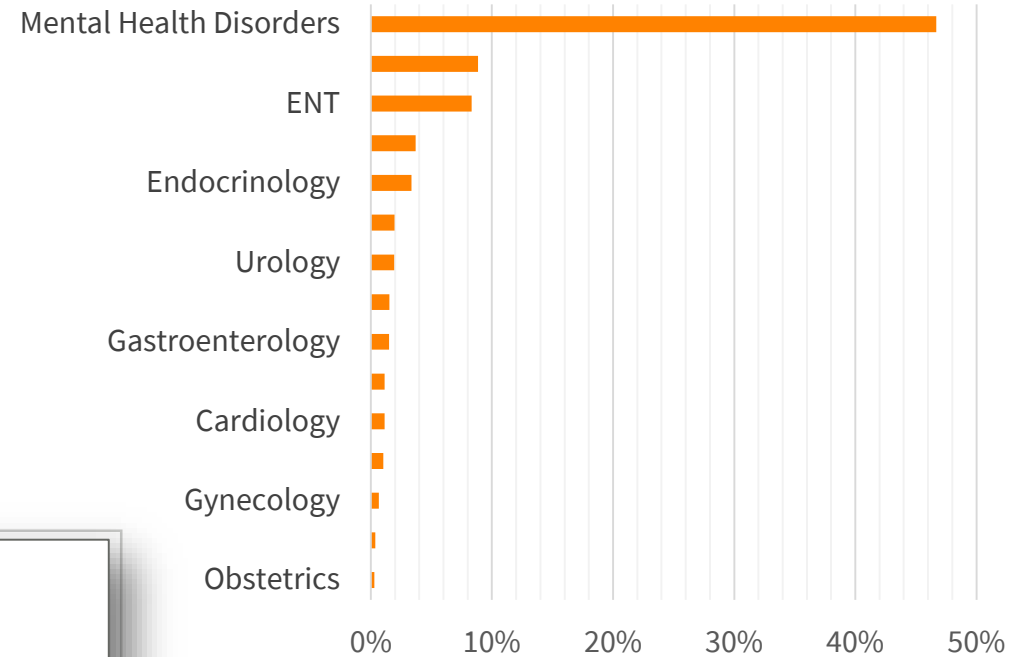
# Telehealth Insights – Service Line and Sub-Service Line Telehealth Insights



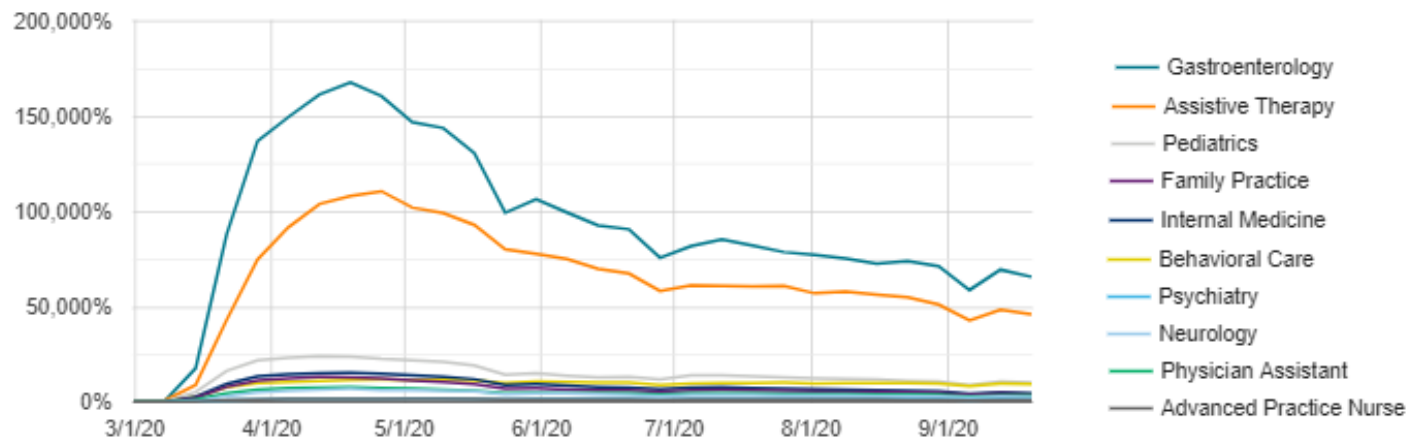
## Top 3 Diagnoses of Telehealth Claims Risk

1. Generalized anxiety disorder
2. Major depressive disorder, recurrent, moderate
3. Attention-deficit hyperactivity disorder, combined type

## Telehealth Claims Diagnoses

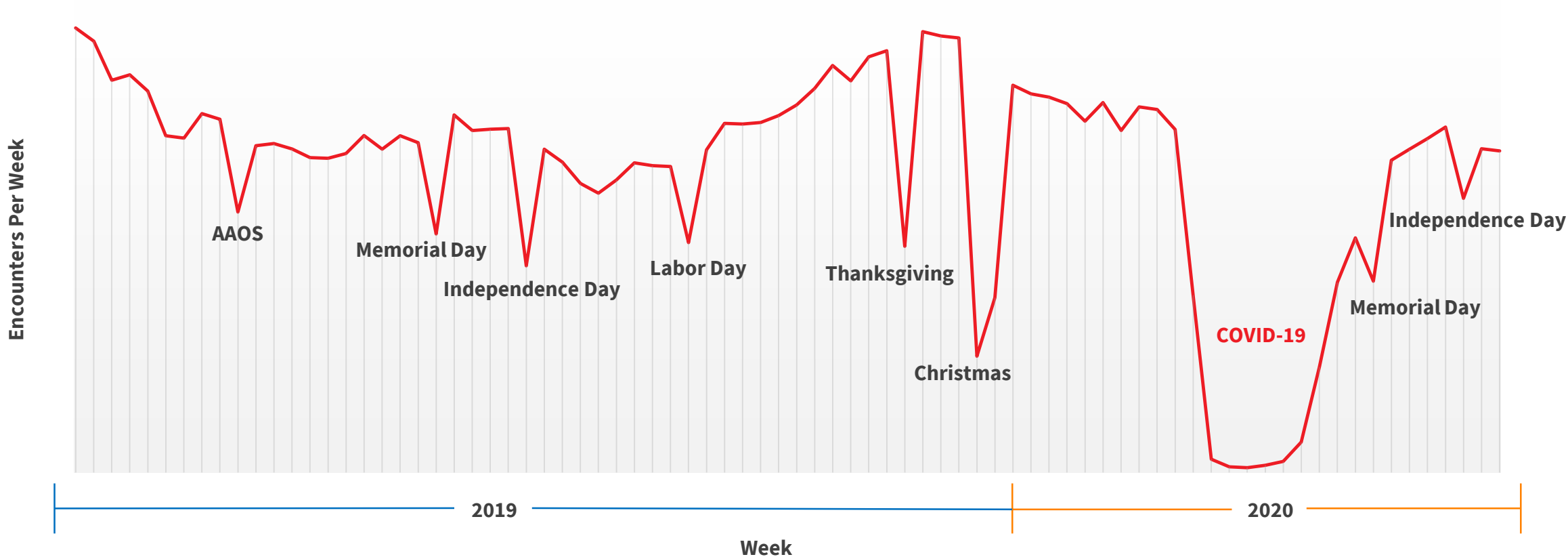


Top Weekly Increases in Telehealth Claims by Specialty

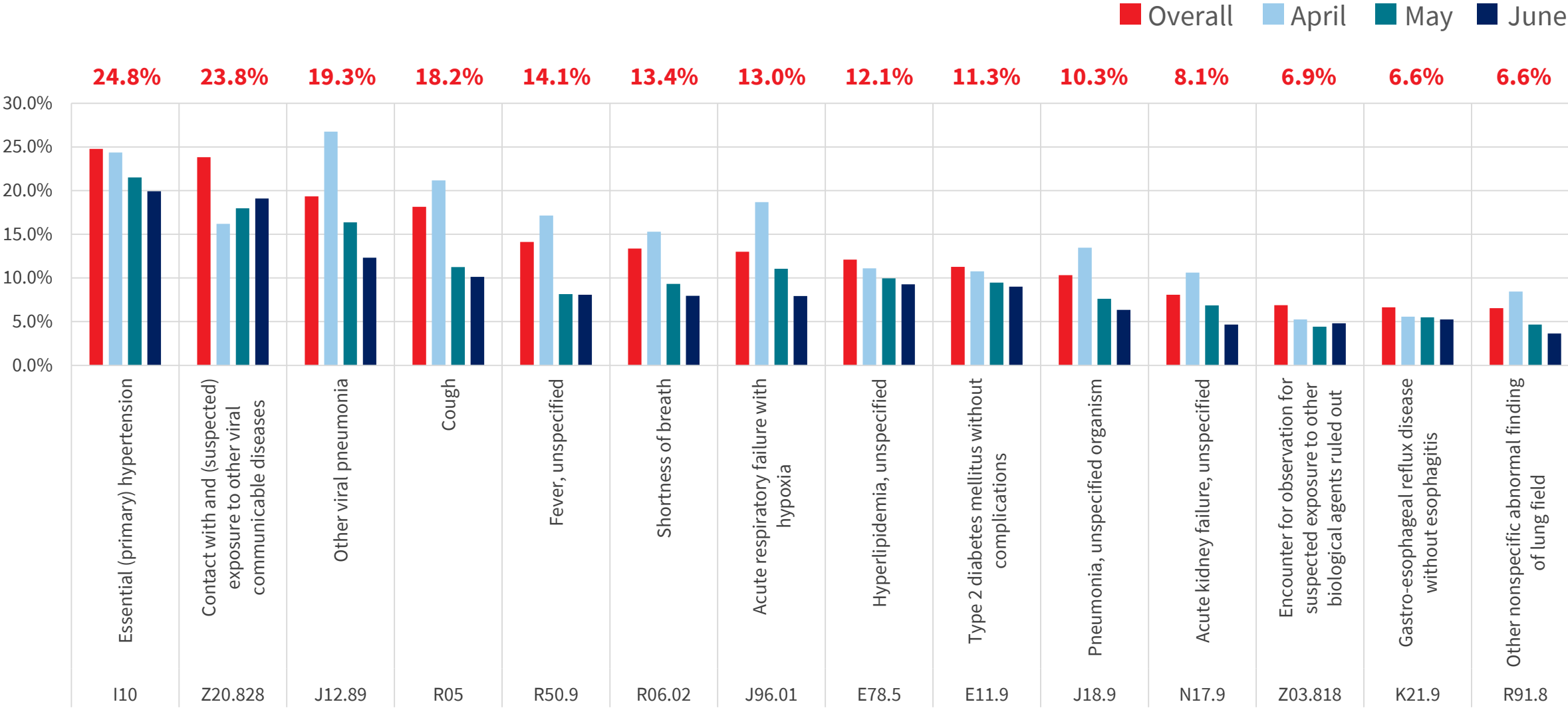


# Nationally, Clinical Volume Began to Return at the Beginning of May

## National Knee Replacement Volume by Week



# COVID-19 Patient Co-Occurring Diagnoses



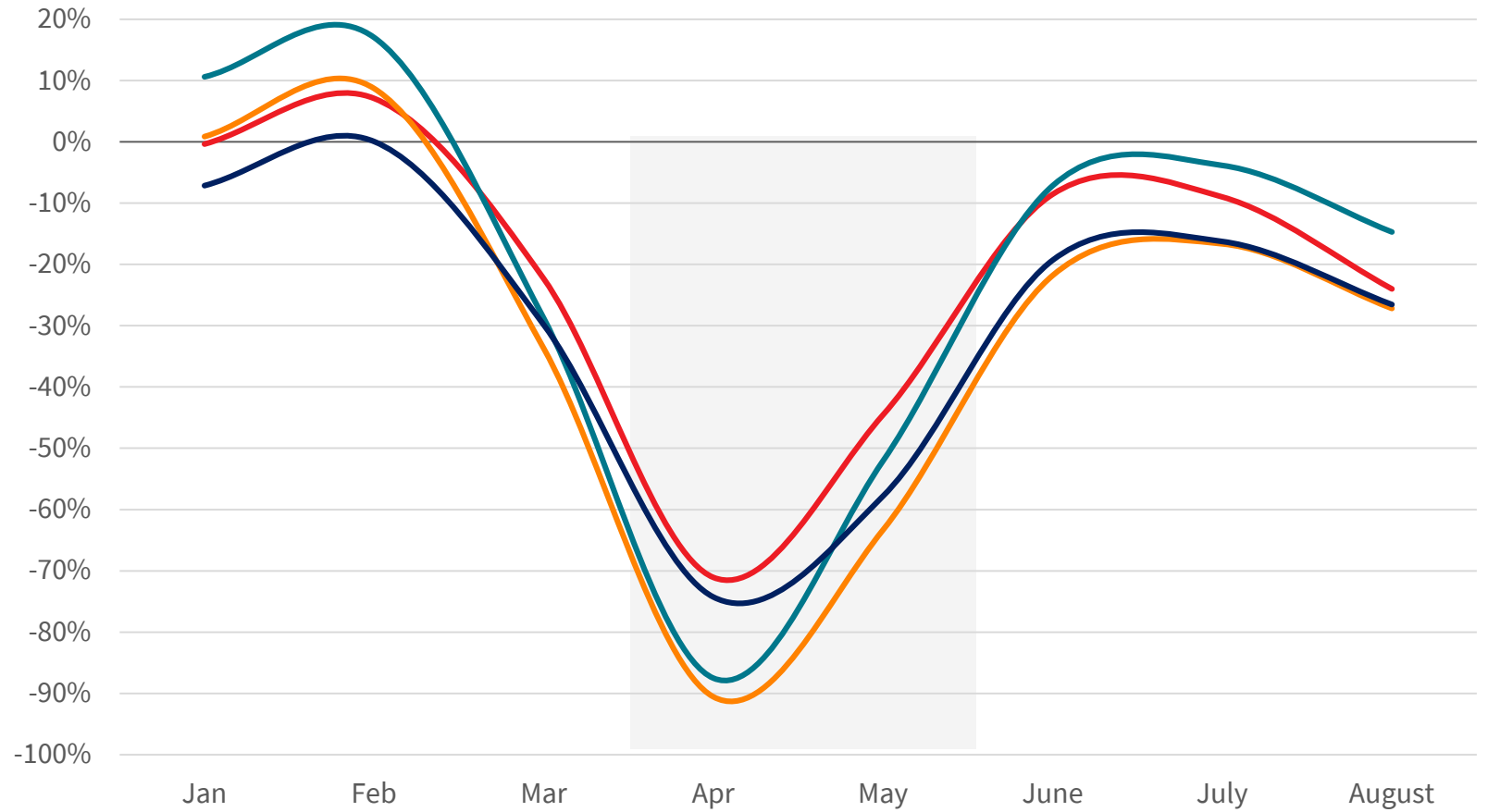


# COVID's Impact in Oncology

Pausing elective and some routine screenings ...

	April	May
<b>Biopsy</b>	-71.1%	-44.6%
<b>Colonoscopy</b>	-90.6%	-63.3%
<b>Mammography</b>	-87.5%	-52.1%
<b>Skin Cancer Screening</b>	-74.3%	-57.8%

% Change in Patients Who Received Cancer Screenings  
(2020 vs 2019)

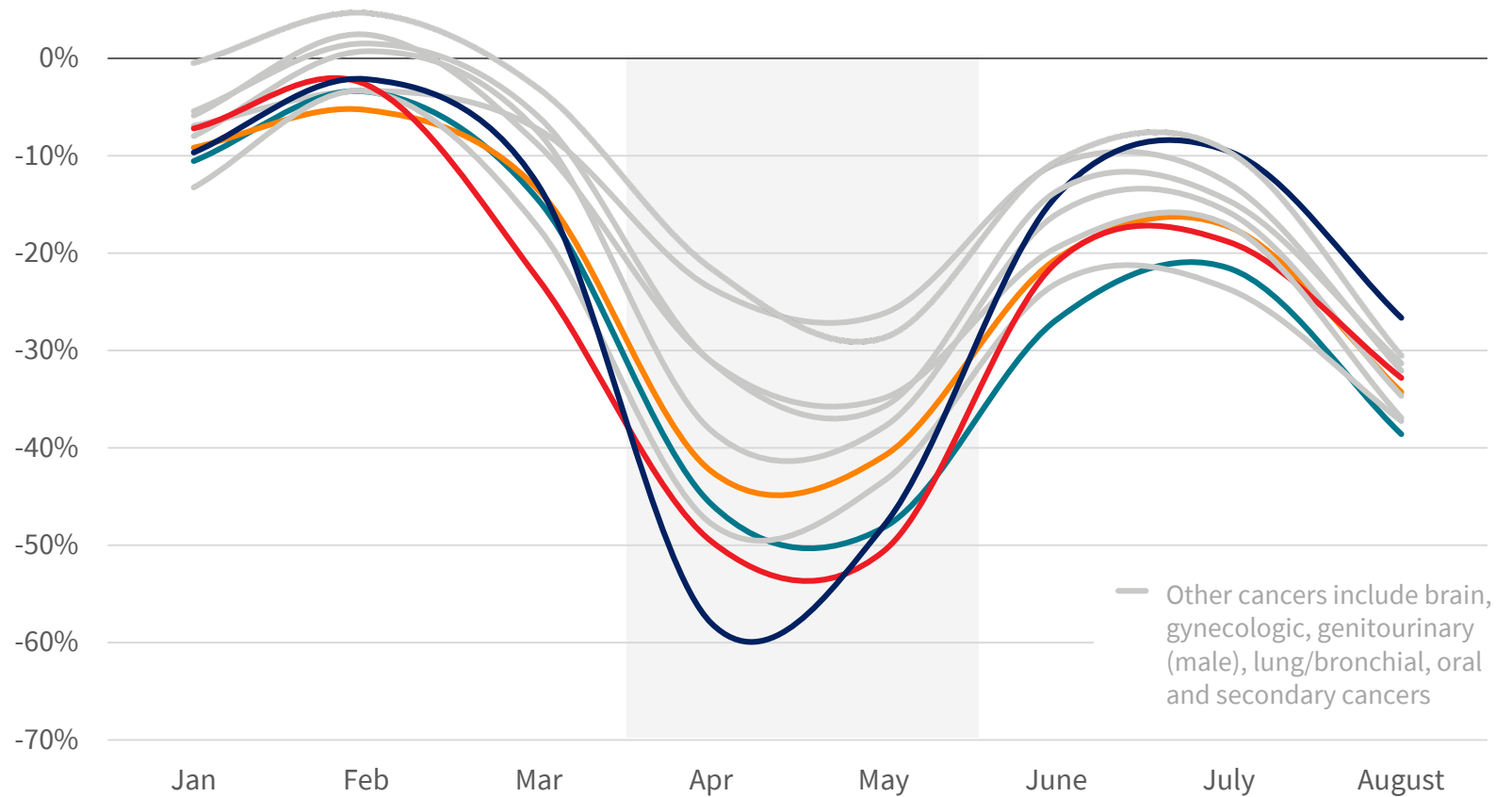


# COVID's Impact in Oncology

... contributes to a dramatic decrease in rate of newly diagnosed patients.

	April	May
<b>Hematology</b>	-71.1%	-44.6%
<b>Colorectal</b>	-90.6%	-63.3%
<b>Breast Cancer</b>	-87.5%	-52.1%
<b>Melanoma</b>	-74.3%	-57.8%

% Change in New Patient Diagnoses  
(2020 vs 2019)



# Understanding the Integrated Delivery Network (IDN) through Claims Intelligence



# Understanding the Integrated Delivery Network

DME  
Office  
Infusion

Skilled Nursing

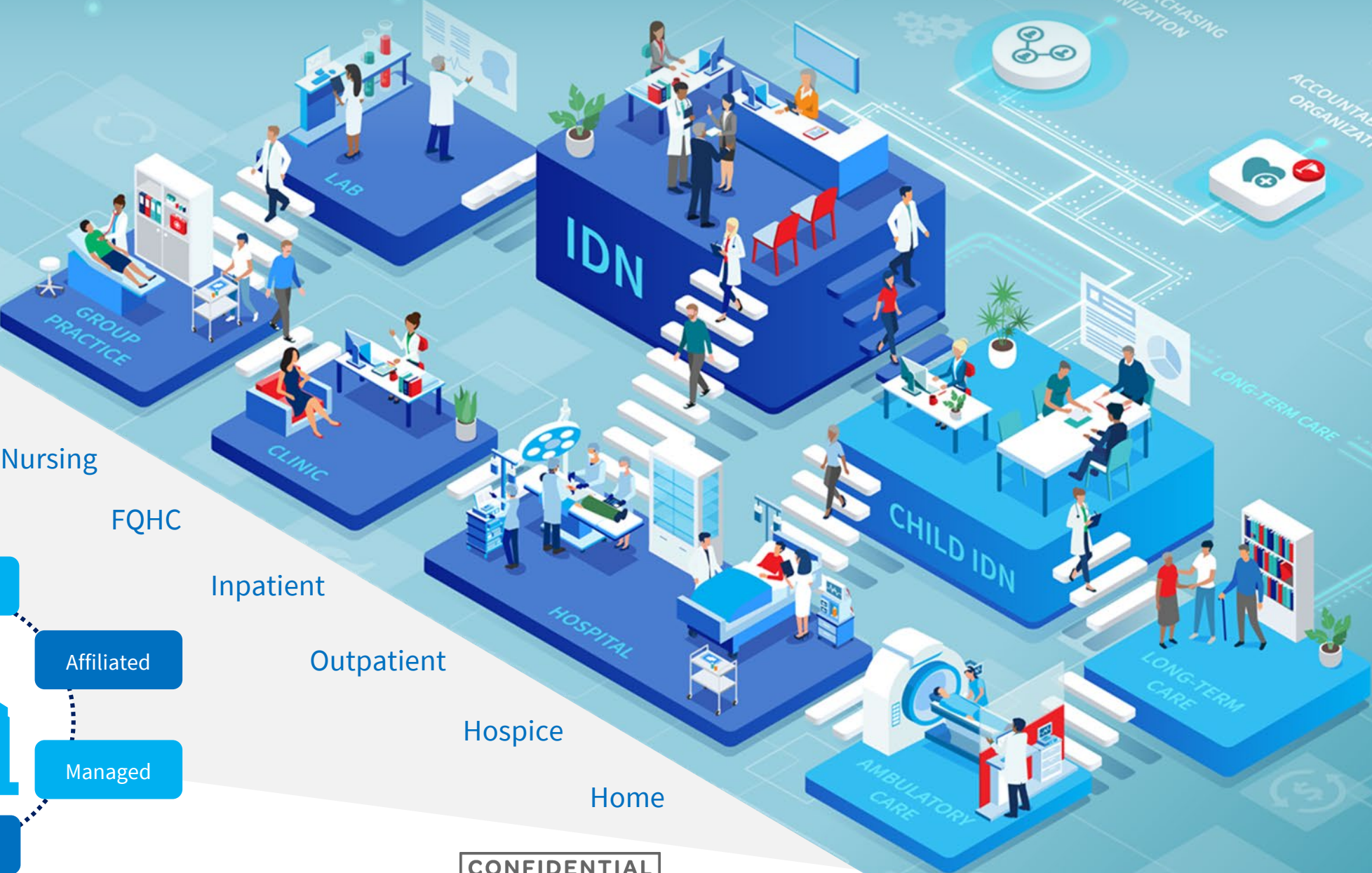
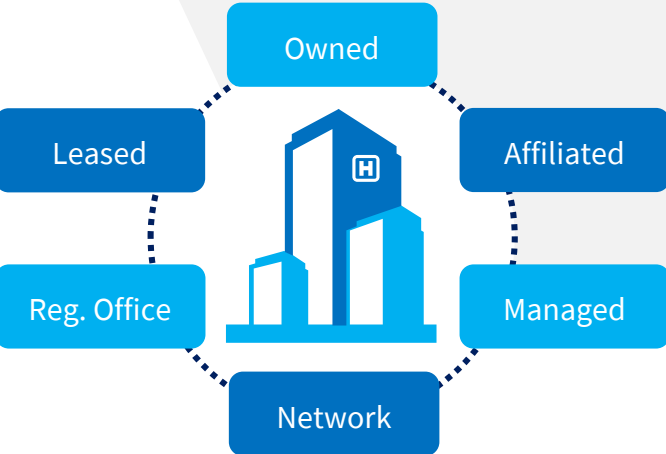
FQHC

Inpatient

Outpatient

Hospice

Home



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# Provider Data MasterFile

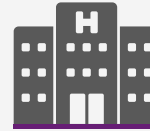
## IDN Affiliation Counts

LexisNexis Facility Type	Affiliations
Agencies	1.7K+
Extended Care	8K+
Group Practices	80K+
Hospitals	6.5K+
Imaging Centers	6.5K+
Laboratories	5K+
Out-Patient Clinics	11K+
Pharmacy / Suppliers	3.4K+



### More than 8.5M Provider Records Tracked:

- 1M+ Physicians with active locations
- 3.5M RN/LPNs
- 180K NPs, 98K PAs
- 225K Dental Providers
- 3.5M Ancillary Providers



### 1M Facility, Group, and Other Business Entities:

- 7K Acute Care Hospitals
- 50K LTC Facilities
- 230K Medical Group Practices



### 850 IDNs with Over 120K Parent-Child Relationships

- 40+ GPOs with 50K+ purchasing relationships
- 500+ ACOs with 1K+ relationships to HCOs and IDNs
- 3.5K+ Executive Contacts including 300+ IDNs

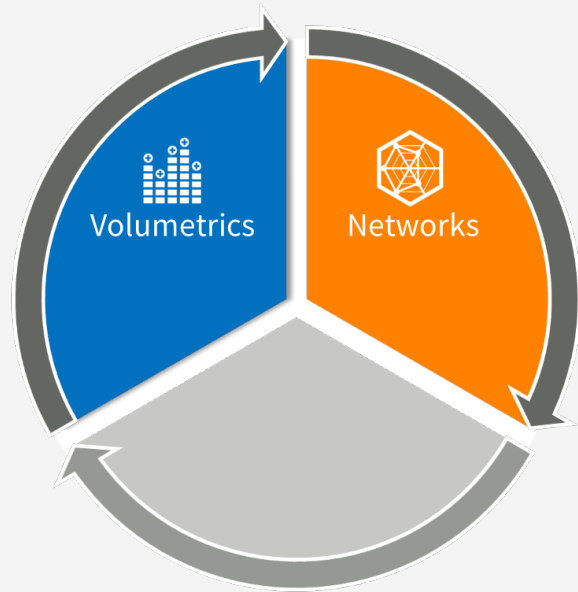
# Understanding the Integrated Delivery Network (IDN) through Claims Intelligence

Life Science Organizations need to know more than **‘how big’** an IDN is...

They need to know **‘how valuable’** each IDN is for their business when compared with one another



# Claims Driven Network Intelligence | Systems of Care (SOC)



**Medical Claims Insights**



**Integrated Delivery  
Network Hierarchies**



**Claims Driven Network Intelligence**

- **Optimize sales and marketing outreach** by identifying high value IDNs and decision makers
- **Increase market share by therapy area** by unveiling relationships between key HCPs and IDNs
- **Improve revenue growth** by evaluating the potential value of IDNs using claims volumes

# Claims Driven Network Intelligence | Systems of Care (SOC)



## What did they do?

Expand your scope beyond the 'who' and discover 'how' providers and your competitors practice

### Evaluate:

- Physician and Facility Patient Volumes
- Procedures Performed
- Conditions Treated
- Care Settings Leveraged

### Leveraged for:

- Market Intelligence
- Physician Outreach
- Improved Facility Utilization
- Recruitment and Network Integration



## Where did they go?

Expand your knowledge of 'who went where and why' through referral analytics

### Uncover:

- Provider Connections
  - Provider-to-Provider
  - Facility-to-Facility
  - Provider-to-Facility
- Referral Targets
- Network Leakage

### Leveraged for:

- Leakage Mitigation
- Patient Acquisition
- Post-Discharge Care Management
- Recruitment and Network Integration



# Claims Driven Network Intelligence | Systems of Care (SOC)



## What did they do?

Expand your scope beyond the 'who' and discover 'how' providers and your competitors practice



## Where did they go?

Expand your knowledge of 'who went where and why' through referral analytics

Identify key IDNs of focus for sales and marketing outreach



Increase market share capture through HCP-to-IDN intelligence



Evaluate procedural volumes at the HCP, HCO, HCP@HCO, IDN, and Child IDN levels



Optimize commercial efficiency through claims intelligence and targeted IDN/affiliations data



Identify the true decision makers for their product



Improve revenue growth through IDN, GPO, and ACO value-based targeting



# Claims Driven Network Intelligence | Systems of Care (SOC)

## Understanding How They Compare and Their Benefit to Your Business



# Claims Driven Network Intelligence | Systems of Care (SOC)

## Understanding How They Compare and Their Benefit to Your Business



**STATE  
HOSPITAL**

*Rank: 9*

*Claims: 6,623*



**Should you target  
the IDN or the HCO?**

*Life Science strategies may differ  
based on claim volume distribution  
among facilities...*

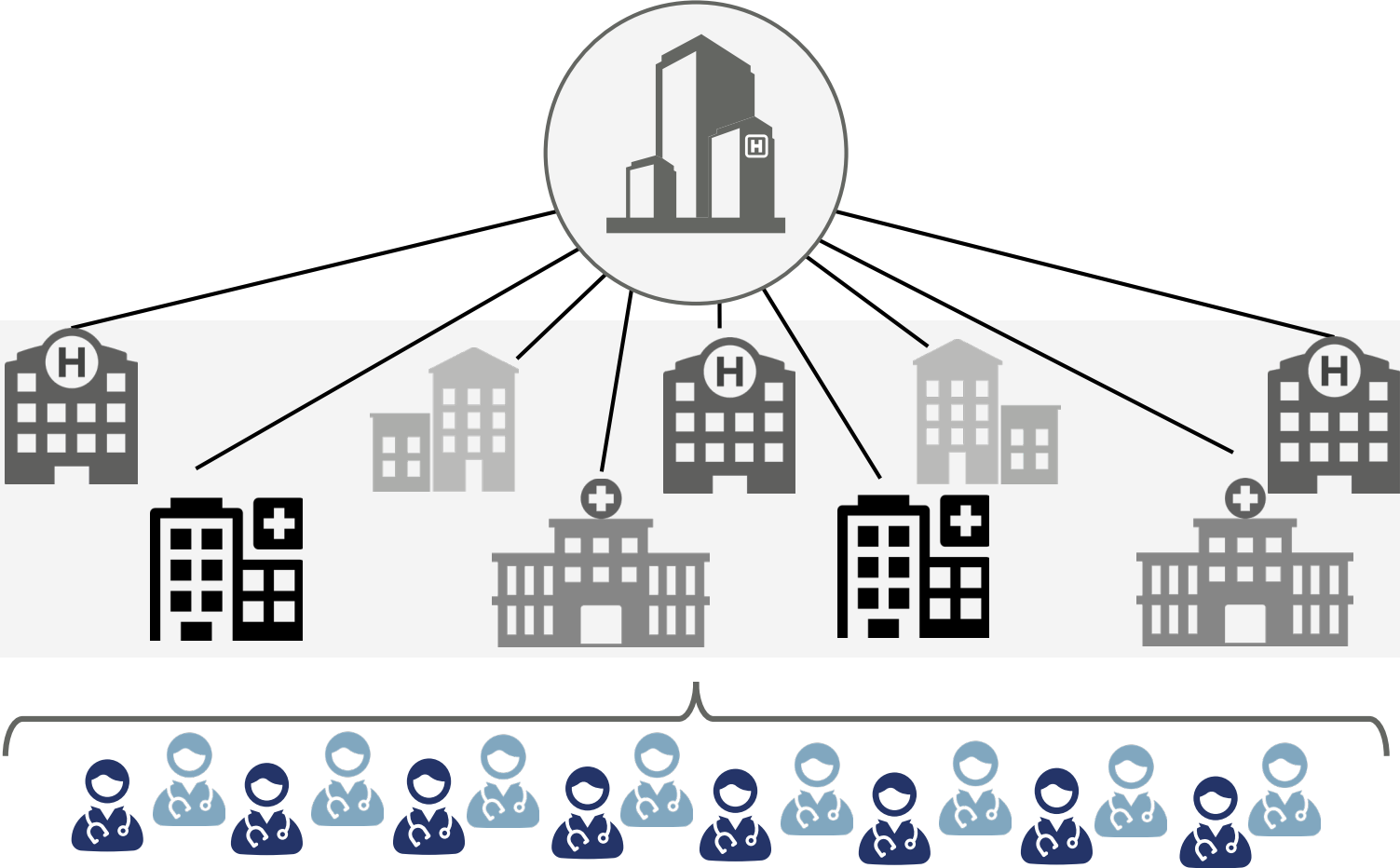


**ANGEL  
HOSPITAL N.**

*Rank: 2*

*Claims: 283*

# Claims Driven Network Intelligence | Systems of Care (SOC)



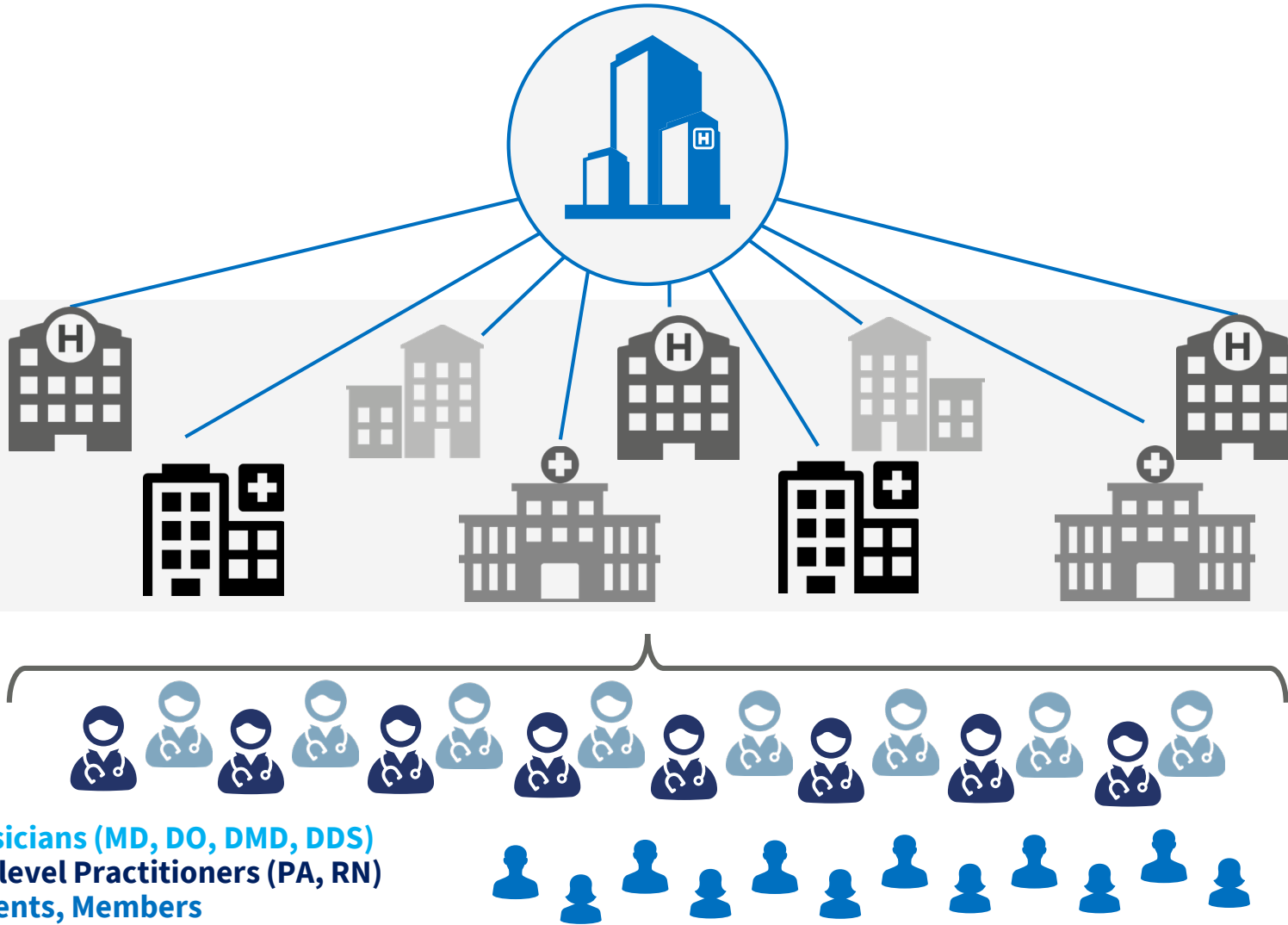
Physicians (MD, DO, DMD, DDS)  
Mid-level Practitioners (PA, RN)

**IDN: Colossal Healthcare**  
456 Medical Way  
Miami, FL

FACILITY TYPE	COUNTS
Group Practice	116
Hospital	43
Extended Care	42
Outpatient Facility	30
Equipment/Supplies	15
Pharmacy	7
Other	3
Imaging	2
Ambulance	1

# Claims Driven Network Intelligence | Systems of Care (SOC)

How big is big?



Physicians (MD, DO, DMD, DDS)  
 Mid-level Practitioners (PA, RN)  
 Patients, Members

## IDN: Colossal Healthcare

456 Medical Way  
 Miami, FL

- **5,009,271** Total Claims for Colossal IDN
- **259 HCOs** with All-Codes Claims Volumes for Colossal IDN
- **20,855 HCPS** with with All-Codes Claims Volumes for Colossal IDN

FACILITY TYPE	COUNTS
Group Practice	116
Hospital	43
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# Claims Driven Network Intelligence | Systems of Care (SOC)

## LUNG CANCER DIAGNOSIS

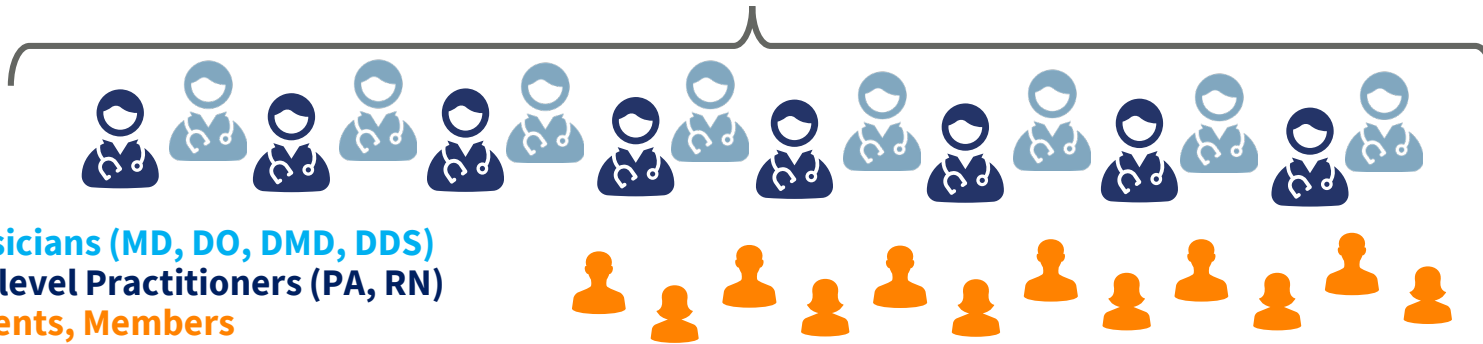


**Pulmonary Center**  
Miami, FL  
*Decile Rank: 4*  
Total Claims: 1,121

**ABC Imaging**  
Tampa, FL  
*Decile Rank: 2*  
Total Claims: 305

**State Hospital**  
Atlanta, GA  
*Decile Rank: 3*  
Total Claims: 733

**State Hospital**  
Orlando, FL  
*Decile Rank: 9*  
Total Claims: 4,623



**Physicians (MD, DO, DMD, DDS)**  
**Mid-level Practitioners (PA, RN)**  
**Patients, Members**

### IDN: Colossal Healthcare

456 Medical Way  
Miami, FL

- **16,757** Total Lung Cancer Claims for Colossal IDN
- **154 HCOs** with Lung Cancer Claims Volumes for Colossal IDN
- **2,005 HCPs** with Lung Cancer Claims Volumes for Colossal IDN

FACILITY TYPE	COUNTS
Group Practice	54
Hospital	39
Extended Care	30
Outpatient Facility	20
Equipment/Supplies	3
Pharmacy	4
Other	1
Imaging	2
Ambulance	1




# Top Facilities and Practitioners with **LUNG CANCER** Claims Volume

ORNAME	ADDRESS1	CITY	STATE	ZIP	DECILE_RANK	CLAIMS
STATE HOSPITAL	123 WALNUT ST	ORLANDO	FL	32803	9	4623
ABC HEALTH SERVICES PULMONARY CENTER	456 WATER AVE	COLORADO SPRINGS	CO	80907	5	2015
STATE HOSPITAL MEDICAL CENTER	789 LUNG CIR	MIAMI	FL	33101	4	1121
STATE HOSPITAL	1011 MEDICAL BLVD	SEBRING	FL	33872	3	908
ANGEL HOSPITAL CENTRAL	1213 REX WAY	ATLANTA	GA	30312	3	733
STATE HOSPITAL SMITH MEMORIAL	1415 MILE DR	DENVER	CO	80204	3	530
CLARA MEDICAL CENTER	2617 EHLEER CT	ORANGE CITY	FL	32763	3	704
ABC IMAGING	3819 PINE RD	OVERLAND PARK	KS	66204	3	838
LAWRENCE HOSPITAL	4021 CIRCLE AVE	TAMPA	FL	33610	2	305
	516 DIAMOND CT	GARDEN CITY	KS	67846	2	289

FIRST	LAST	PRACTITIONER_TYPE	SPECIALTY	CITY	STATE	DECILE_RANK	CLAIMS
KIM	SHAW	Physician	Hematology & Oncology	ORLANDO	FL	10	2775
ROBERT	SCOTT	Physician	Oncology, Medical	DALTON	GA	10	2066
RUTH	JETER	Physician	Hematology & Oncology	ALTAMONTE SPRINGS	FL	10	1323
ANTHONY	THOMPSON	Physician	Oncology, Medical	AUSTIN	TX	10	1166
RITA	O'DONNELL	Physician	Internal Medicine	ORLANDO	FL	10	1076
DENISE	SMITH	Physician	Radiation Oncology	TAVARES	FL	10	1033
DAISY	LUKEN	Physician	Hematology & Oncology	SANFORD	FL	9	929
JILLIAN	GRIFFIN	Physician	Internal Medicine	NEW BRAUNFELS	TX	9	976
TIMOTHY	SWETT	Physician	Radiation Oncology	SUN CITY CENTER	FL	9	946
EVA	PLANTE	Physician	Hematology & Oncology	TAVARES	FL	9	839

# Claims Driven Network Intelligence | Systems of Care (SOC)

## Create an additional layer of insight to MarketView Volumetrics Solutions

Compare physicians at a regional level on the following:	 <b>DR. VIOLET</b>	 <b>DR. ORANGE</b>	 <b>DR. RED</b>
<b>SPECIALTY</b>	Surgery, General	Surgery, Colon & Rectal	Surgery, General
<b>NPI</b>	1234512345	2345623456	3456734567
<b>PRACTITIONER NATIONAL RANK</b>	10	7	9
<b>TOTAL PATIENT COUNT</b>	82 Patients	23 Patients	51 Patients
<b>AFFILIATED ORGANIZATIONS</b>	1	2	3
<b>NETWORK CONNECTIONS</b>	6	2	4
<b>PRIMARY FACILITY</b>	Fox Chase Cancer Center	Abramson Cancer Center	Fox Chase Cancer Center
<b>PRIMARY FACILITY WORKLOAD</b>	>50%	>50%	25%-50%
<b>SYSTEMS OF CARE</b>	Temple Health System	UPENN Health System	Temple Health System

**Enterprise wide data management • Targeting and segmentation • Commercial and contracting**



# Claims Driven Network Intelligence | Systems of Care (SOC)



## Systems of Care:

Where should we focus?



### IDN Scorecard

- Comprehensive IDN Profile
- IDN Value Across Therapeutic Markets
- National IDN Ranking
- Geographic Drilldown
- Key IDN Metrics:
  - HCO Types
  - Number of IDN-Level HCOs and HCPs
  - IDN and HCO Demographics



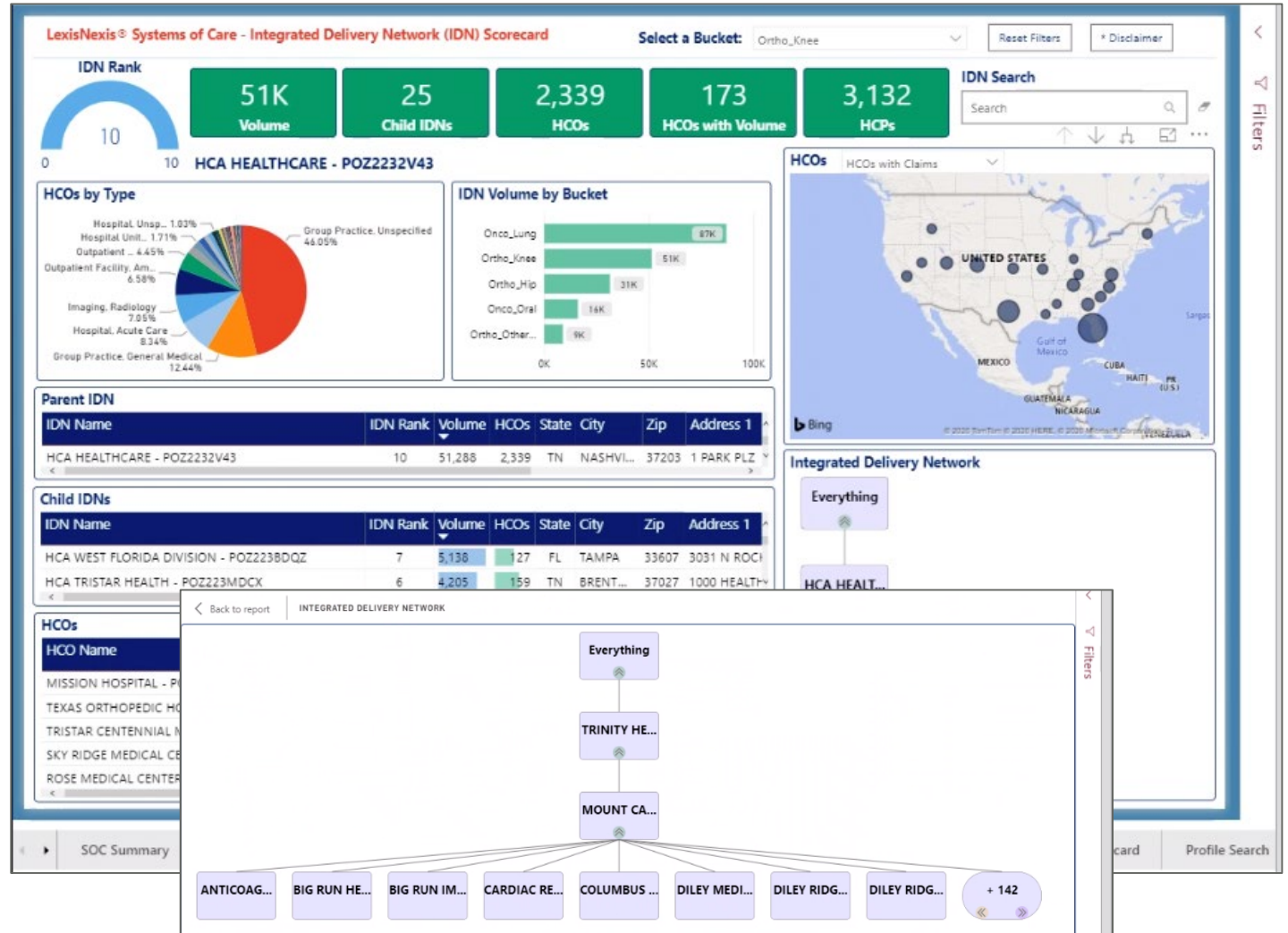
### IDN Hierarchy

- IDN Organizational Tree
- Sub-Views by IDN Branch
- Claims Volumes Across IDN, Child IDNs, and HCOs
- National HCO Ranking



### Drill-Through Functionality

- (Up) National IDN Comparison
- (Down) Practitioner / Organization Scorecards and Direct Search
- Claims Summary by Strategic Market



# Questions?

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*Mgr. of Healthcare Strategy*

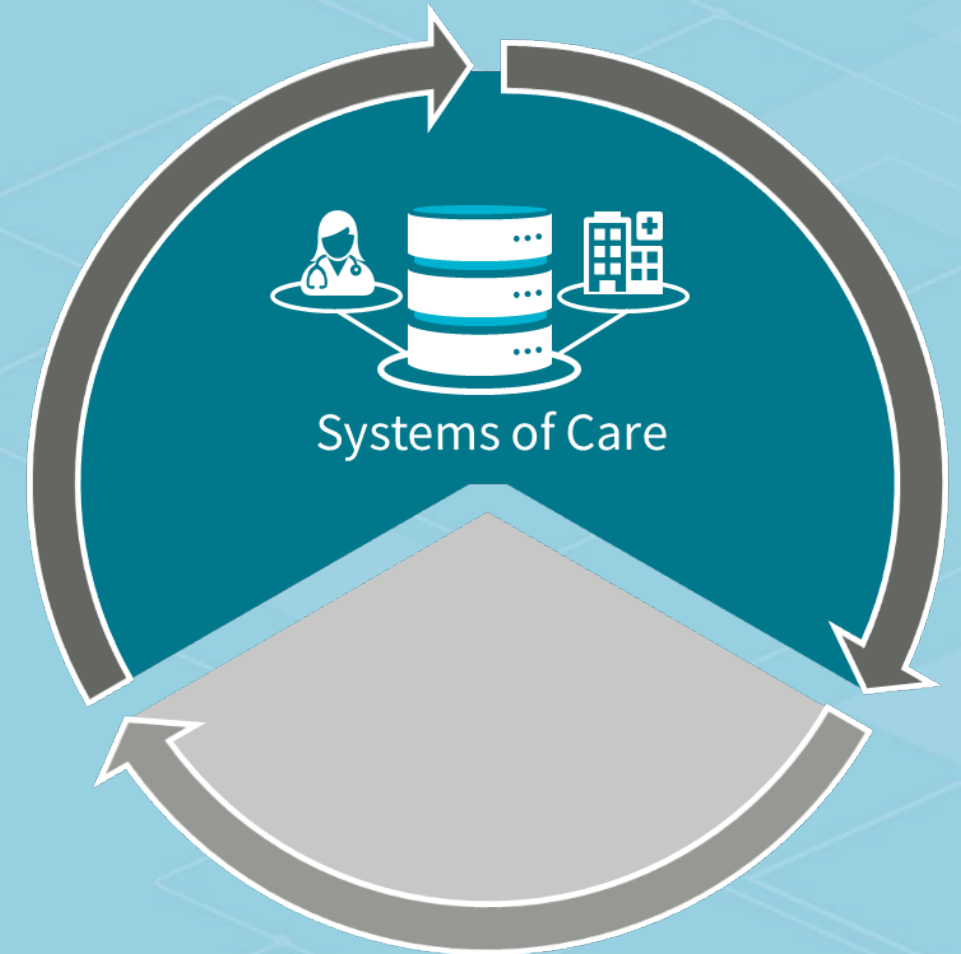
**LexisNexis Risk Solutions | Healthcare**

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Health Care

# Appendix



# Medical Claims Data 101 | Anatomy of a Submitted Claim



## DIAGNOSIS:

ICD-10-CM code for appropriate diagnosis or nature of illness



## PROCEDURE:

CPT code for services provided to an established patient



## DRUG:

Appropriate HCPCS code for medication administered



## PATIENT INFORMATION:

Age, gender, location



## PAYER:

Government/commercial insurance company responsible for payment



## PRACTITIONER(S):

HCP(s) responsible for care of patient



## FACILITY:

Location where service was provided

The image shows a complex medical claim form with multiple sections and fields. Key sections include:
 

- Header:** Patient name, address, date of birth, sex, admission date, and condition codes.
- Diagnosis and Procedure:** ICD-10-CM codes and CPT codes with occurrence dates and amounts.
- Charges:** A table with columns for description, HCPCS code, date, units, total charges, and non-covered charges.
- Payer Information:** Health plan ID, group name, and insurance group number.
- Practitioner Information:** Name, title, and specialty of the provider.
- Facility Information:** Name and address of the service location.
- Remarks:** A section for additional notes or comments.

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# Medical Claims Data 101 | Anatomy of a Submitted Claim



## PROCEDURE:

CPT code for services provided to an established patient



## PROCEDURE DETAILS:

Key details like procedure modifier codes, units, etc.



## ALLOWED AMOUNT:

Appropriate HCPCS code for medication administered



## PAYER:

Government/commercial insurance company responsible for payment



## PAYEE:

HCP(s) receiving payment for claim submission



## PLACE OF SERVICE:

Type of location where service was provided

The image shows a complex medical claim form with multiple sections. Key sections include:
 

- Header:** Patient name, address, birth date, sex, admission date, and condition codes.
- Procedure Section:** Multiple rows for procedure codes (31-36), occurrence dates, and values.
- Charges Section:** A table with columns for description (43), HCPCS code (44), date (45), units (46), total charges (47), and non-covered charges (48).
- Payer/Payee Section:** Fields for payer name (50), health plan ID (51), provider name (58), and insurance group ID (60).
- Remarks Section:** A section for additional notes (80) with sub-sections for attending (76), operating (77), and other (78) procedures.

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