

Using Claims Data to Address Public Health Issues

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FAIR Health at a Glance



Unique Origins

Established as a conflict-free, independent, national nonprofit public charity



Broad Mission

To bring transparency and integrity to healthcare costs and health insurance information



Multi-Stakeholder Solutions

Fulfills mission with robust data products and custom analytics, award-winning consumer tools and research/policy-making platform

The FAIR Health Private Claims Repository

31+
Billion

**Medical and Dental Claims
from 2002 to the Present**

Updated on a monthly basis

150+
Million

Covered Lives

493

Regions in the United States



Insights into the Private Claims Repository



Coverage

- All 50 states and District of Columbia
- US territories – Puerto Rico, US Virgin Islands



60+ Contributors

- National and regional payors
- Third-party administrators



Private Insurance Claims

- Fully insured and self-insured/ERISA plans
- Cover 75 percent of privately insured US population



Quality Testing and Control

- Data validated with expert-vetted tests for completeness, volume, accuracy, etc.
- Recognized statistical outlier methodologies exclude excessively low and high values that distort distribution

FAIR Health: Certified CMS Qualified Entity (QE)



Complete collection of Medicare Parts A, B and D claims data for all 50 states and Washington, DC

Entrusted with QE data due to national breadth of FH private claims/state-of-the-art security protections

Medicare data from 2013 to present

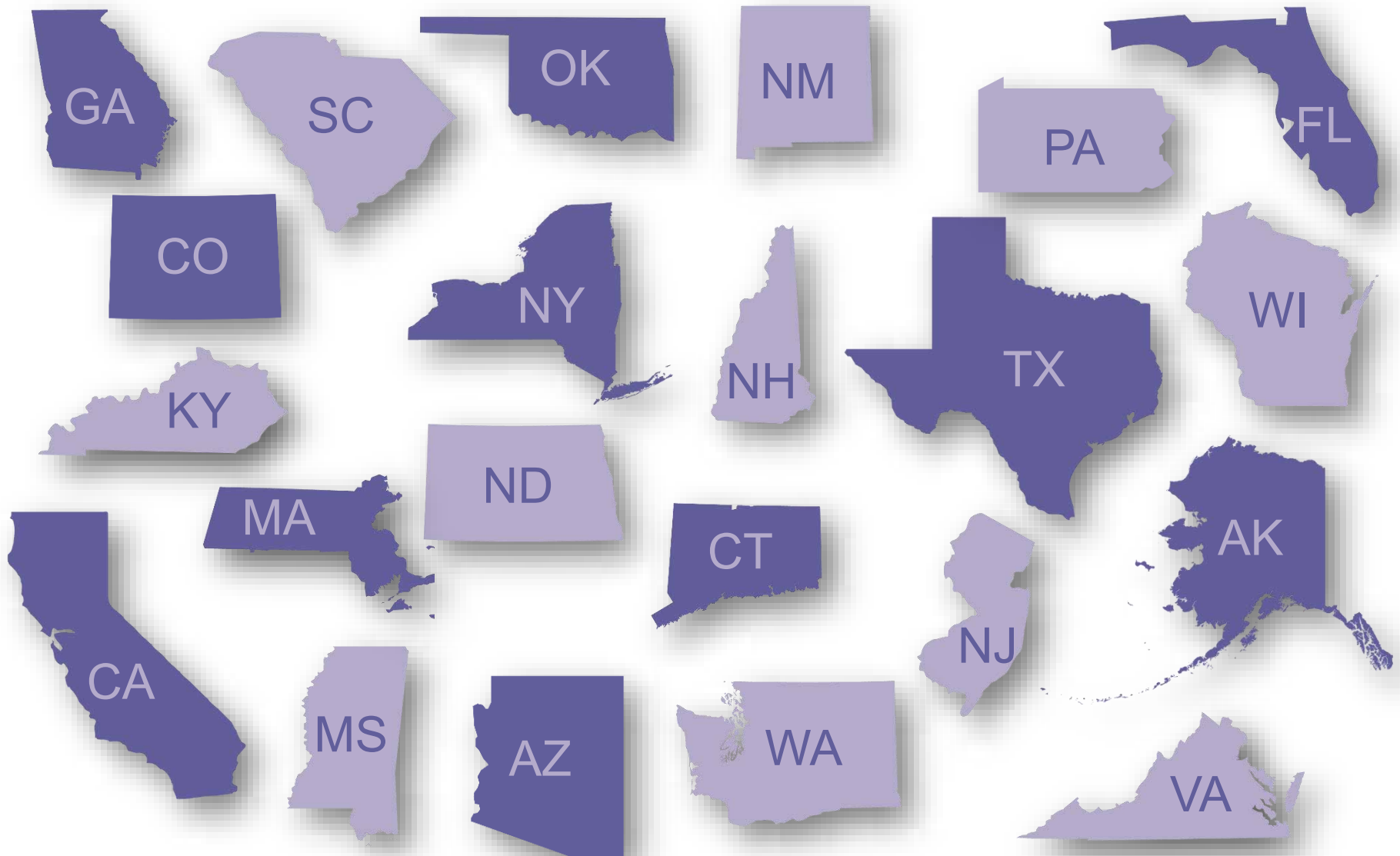
33+ billion Medicare claims



Interaction with Federal Agencies and Officials



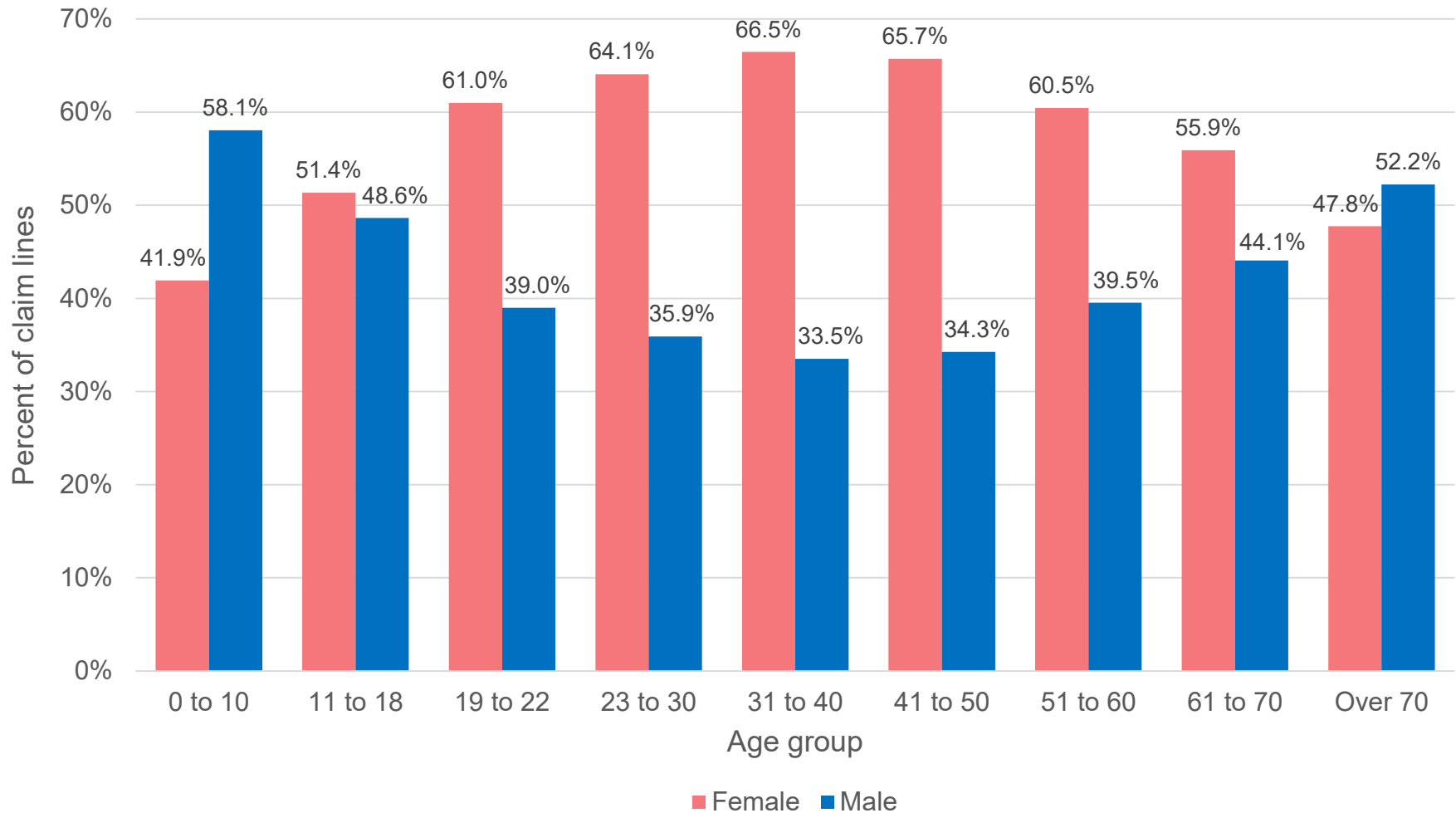
FAIR Health State Policy Connections: Laws, Regulations, Programs and Policy





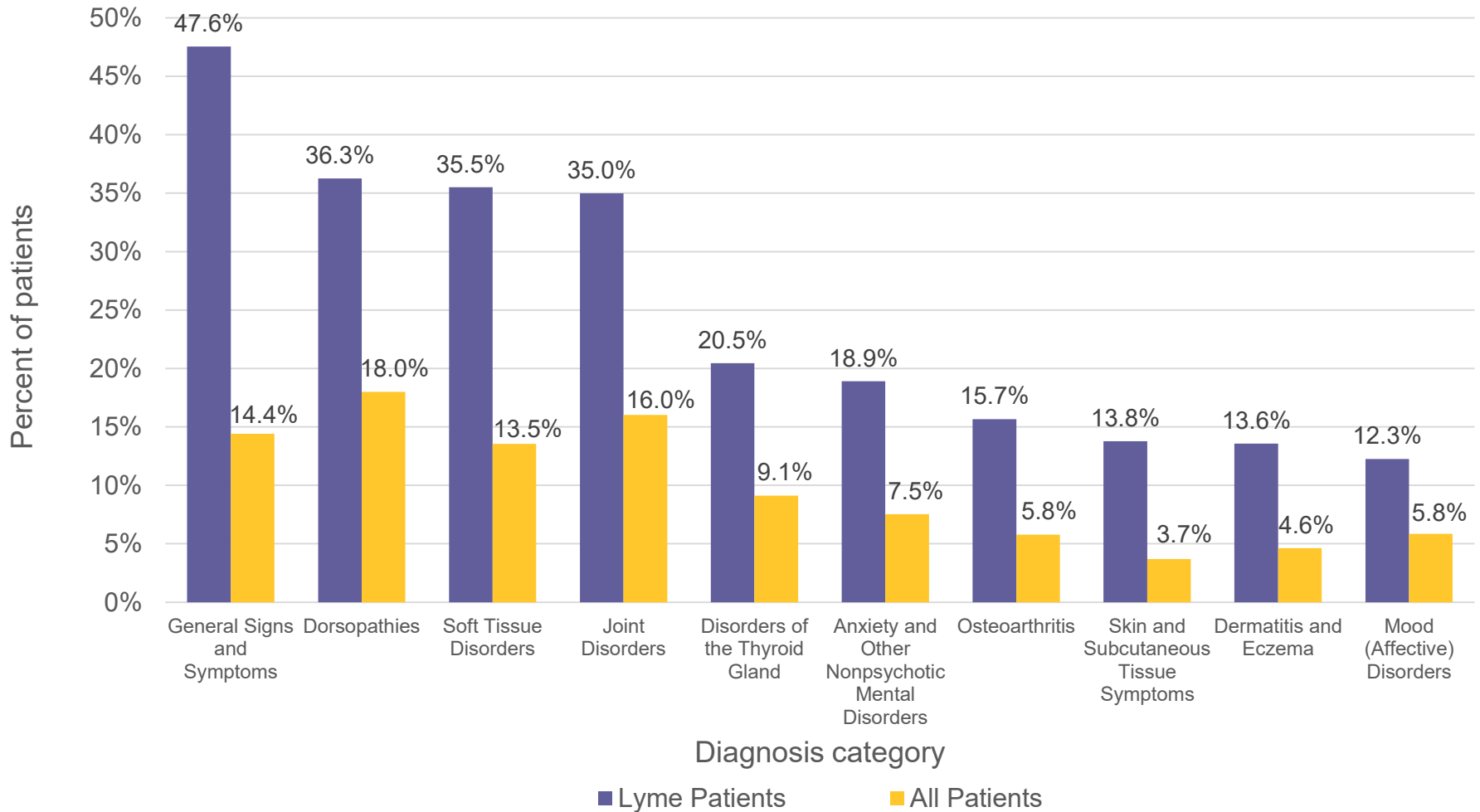
Lyme Disease

Lyme Diagnoses by Age and Gender, 2018



FAIR Health, *Trends and Patterns in Lyme Disease: An Analysis of Private Claims Data*, A FAIR Health White Paper, December 2019, <https://s3.amazonaws.com/media2.fairhealth.org/whitepaper/asset/Trends%20and%20Patterns%20in%20Lyme%20Disease%20-%20An%20Analysis%20of%20Private%20Claims%20Data%20-%20A%20FAIR%20Health%20White%20Paper.pdf>.

Mid-Level Diagnostic Categories: Lyme Patients vs. All Patients, 2018

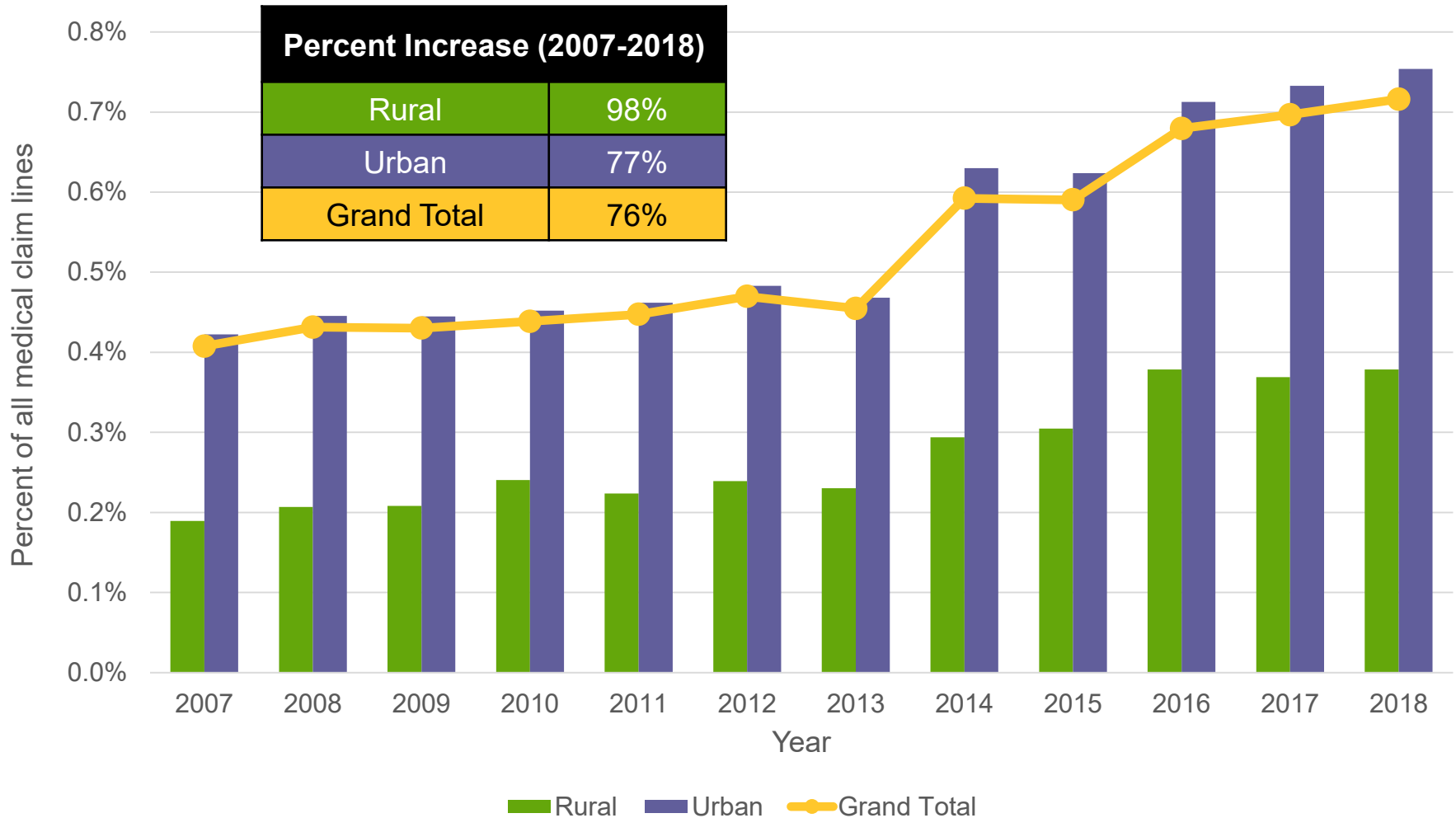


FAIR Health, *Trends and Patterns in Lyme Disease: An Analysis of Private Claims Data*, A FAIR Health White Paper, December 2019, <https://s3.amazonaws.com/media2.fairhealth.org/whitepaper/asset/Trends%20and%20Patterns%20in%20Lyme%20Disease%20-%20An%20Analysis%20of%20Private%20Claims%20Data%20-%20A%20FAIR%20Health%20White%20Paper.pdf>.



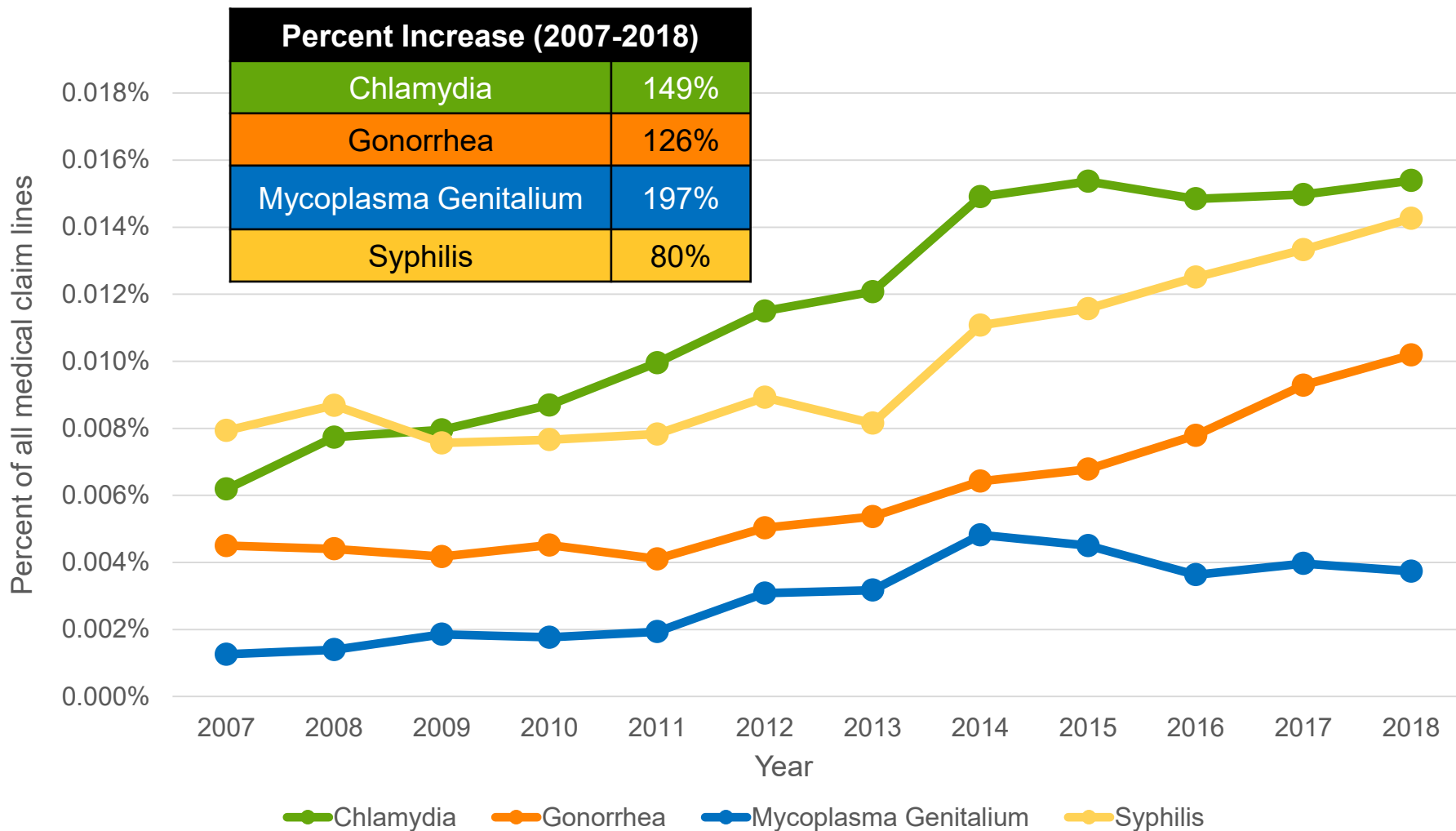
Sexually Transmitted Diseases (STDs)

All STDs by Urban/Rural Indication, from 2007 to 2018



FAIR Health, *Sexually Transmitted Diseases (STDs): A Growing Health Problem*, A FAIR Health Infographic, February 2020, <https://s3.amazonaws.com/media2.fairhealth.org/infographic/asset/STD%20Infographic.pdf>.

Top Four Increasing STDs, from 2007 to 2018

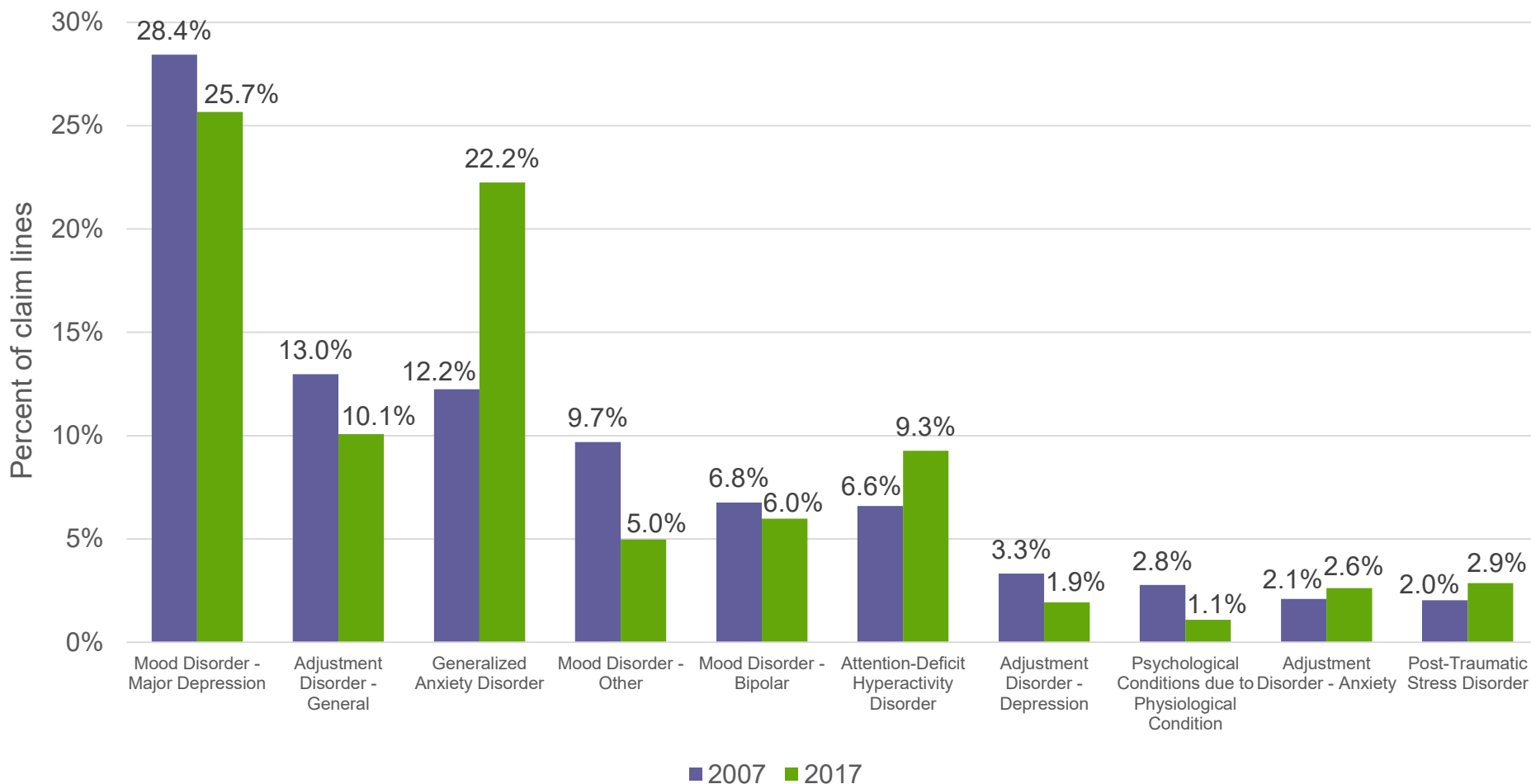


FAIR Health, *Sexually Transmitted Diseases (STDs): A Growing Health Problem*, A FAIR Health Infographic, February 2020, <https://s3.amazonaws.com/media2.fairhealth.org/infographic/asset/STD%20Infographic.pdf>.



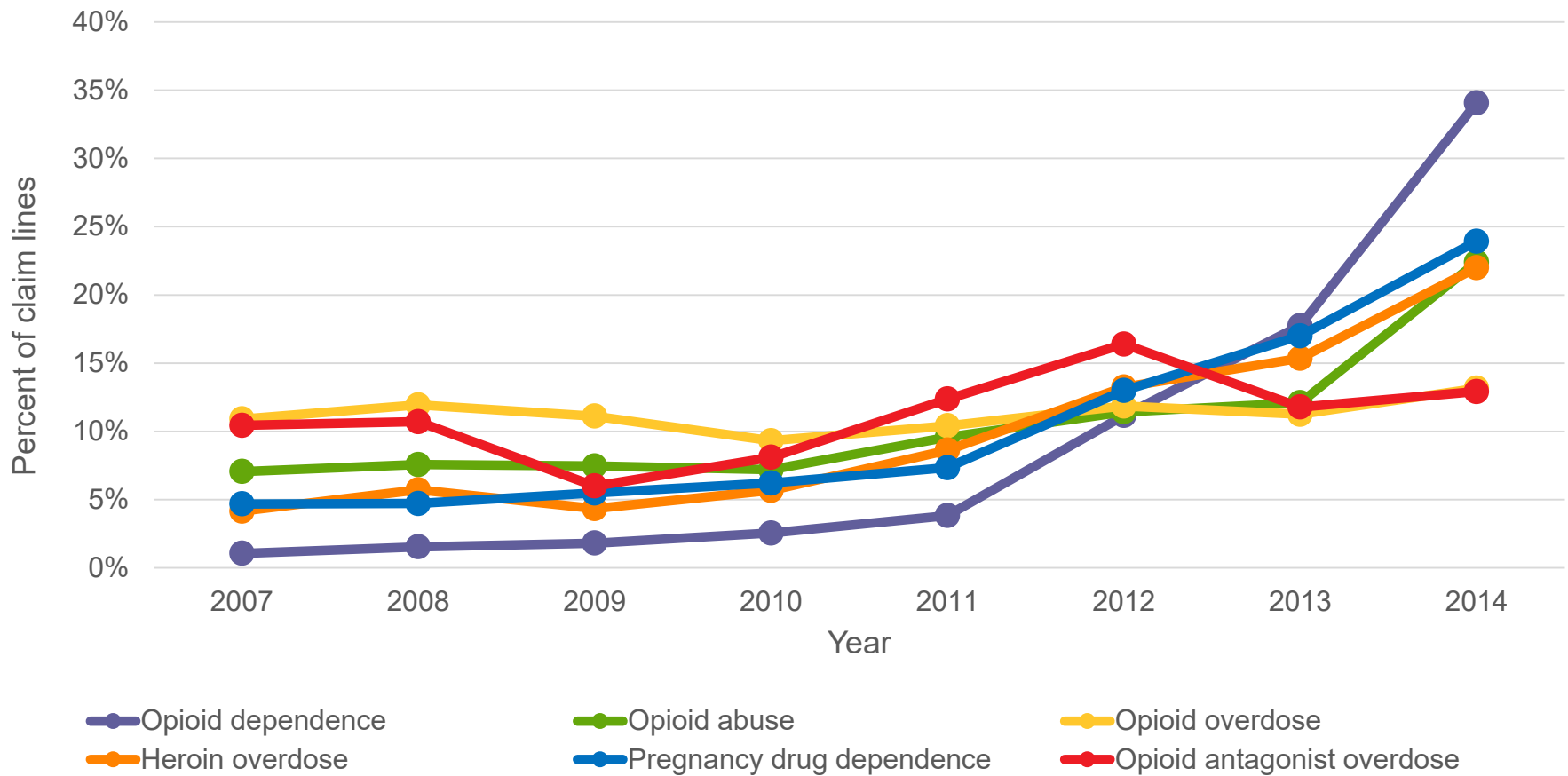
Mental Health and Substance Use Disorders

Distribution of National Claim Lines with Mental Health Diagnoses, 2007 and 2017



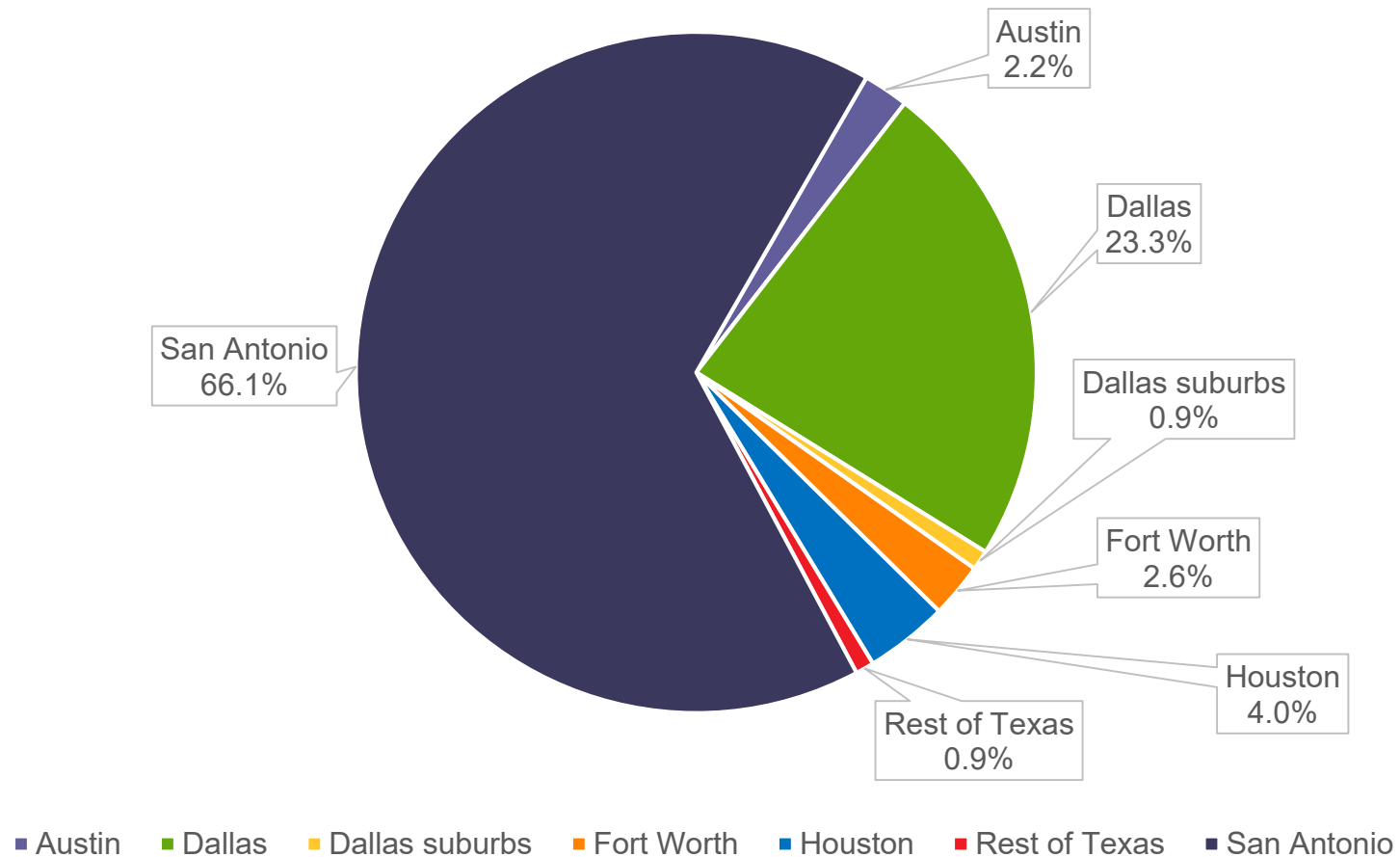
FAIR Health, *Spotlight on National Behavioral Health Trends: A 10-Year Window into Key Mental Health and Substance Abuse Indicators*, A FAIR Health White Paper, May 2019, <https://s3.amazonaws.com/media2.fairhealth.org/whitepaper/asset/Spotlight%20on%20National%20Behavioral%20Health%20Trends%20-%20A%20FAIR%20Health%20White%20Paper%20-%20May%202019.pdf>.

Distribution of Claim Lines with Opioid Dependence and Abuse, from 2007 to 2014



FAIR Health, *The Opioid Crisis among the Privately Insured: The Opioid Abuse Epidemic as Documented in Private Claims Data*, A FAIR Health White Paper, July 2016, <https://s3.amazonaws.com/media2.fairhealth.org/whitepaper/asset/FH%20White%20Paper%20-%20The%20Opioid%20Crisis%20among%20the%20Privately%20Insured%20-%20July%202016-5972409963cf3.pdf>.

Distribution of Claim Lines with Opioid-Related Diagnoses in Texas, from 2007 to 2016



FAIR Health, *Peeling Back the Curtain on Regional Variation in the Opioid Crisis: Spotlight on Five Key Urban Centers and Their Respective States*, A FAIR Health White Paper, June 2017, https://s3.amazonaws.com/media2.fairhealth.org/whitepaper/asset/FH%20White%20Paper%20-%20Peeling%20Back%20the%20Curtain%20on%20Regional_Variation%20in%20the%20Opioid%20Crisis%20-%20June%202017-5972405d4efee.pdf.

Opioid Abuse and Dependence, 2018

Top Five Codes by Utilization

New York

CPT®/ HCPCS	DESCRIPTION
H0020	ALCOHOL AND/OR DRUG SERVICES; METHADONE ADMINISTRATION
H0005	ALCOHOL AND/OR DRUG SERVICES; GROUP COUNSELING BY A CLINICIAN
80307	PRESUMPTIVE DRUG TESTING READ BY INSTRUMENT CHEMISTRY ANALYZERS
99213	ESTABLISHED PATIENT OFFICE OR OTHER OUTPATIENT VISIT, TYPICALLY 15 MINUTES
G0480	DRUG TEST, DEFINITIVE, 1-7 CLASSES

Arizona

CPT/ HCPCS	DESCRIPTION
99214	ESTABLISHED PATIENT OFFICE OR OTHER OUTPATIENT VISIT, TYPICALLY 25 MINUTES
H2010	COMPREHENSIVE MEDICATION SERVICES, 15 MINUTES
80307	PRESUMPTIVE DRUG TESTING READ BY INSTRUMENT CHEMISTRY ANALYZERS
90833	PSYCHOTHERAPY, 30 MINUTES
99213	ESTABLISHED PATIENT OFFICE OR OTHER OUTPATIENT VISIT, TYPICALLY 15 MINUTES

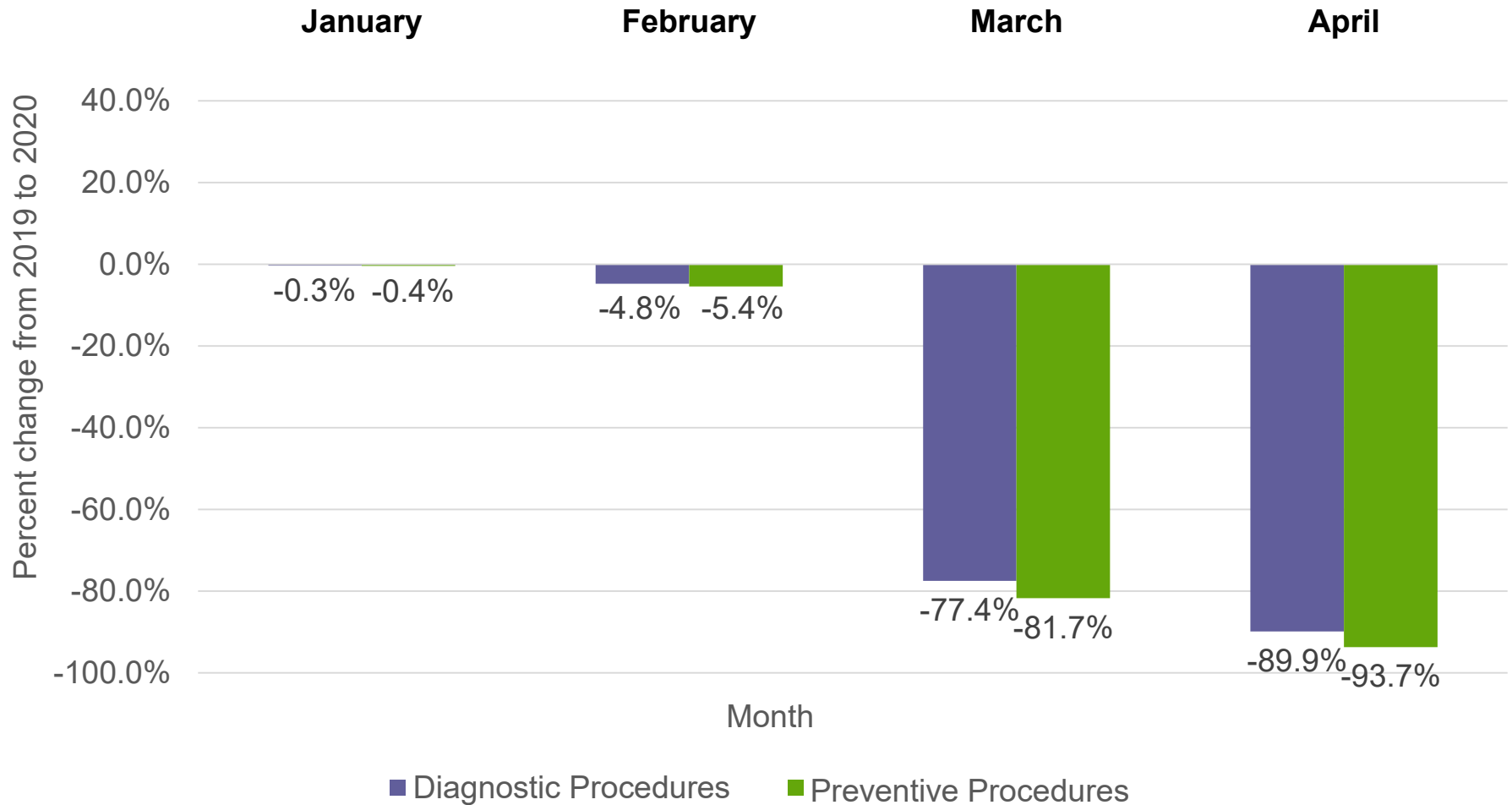
California

CPT/ HCPCS	DESCRIPTION
H0015	ALCOHOL AND/OR DRUG SERVICES; INTENSIVE OUTPATIENT
80307	PRESUMPTIVE DRUG TESTING READ BY INSTRUMENT CHEMISTRY ANALYZERS
G0483	DRUG TEST, DEFINITIVE, 22+ CLASSES
90853	GROUP PSYCHOTHERAPY
82570	ASSAY OF URINE CREATININE



Dental Care

Change in Dental Diagnostic and Preventive Procedures Nationally, from 2019 to 2020

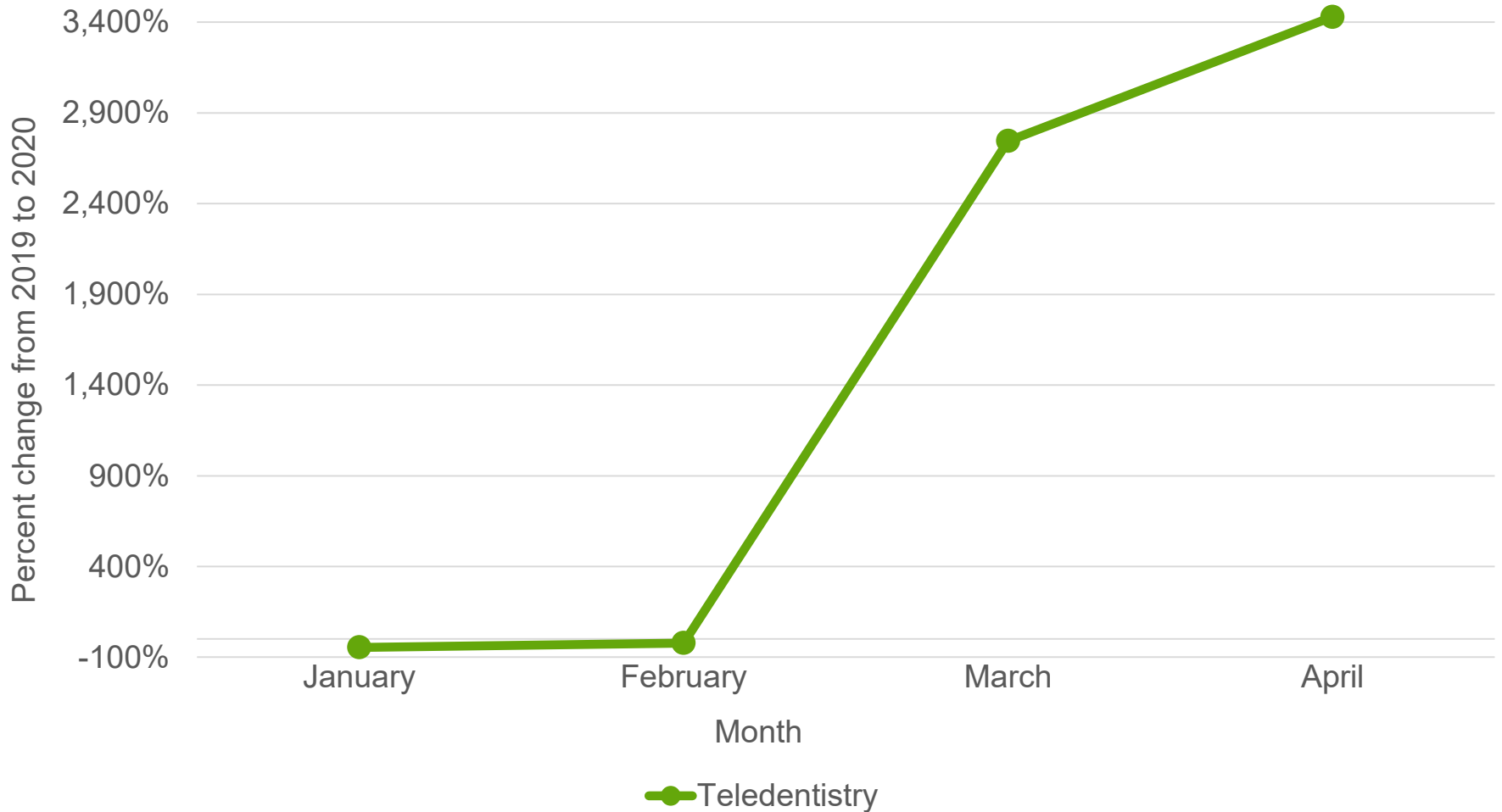


CDT® codes include:

Diagnostic: D0120 through D0999

Preventive: D1110 through D19999

Change in Teledentistry Procedures Nationally, from 2019 to 2020



CDT Code D9995: Teledentistry – synchronous; real-time encounter

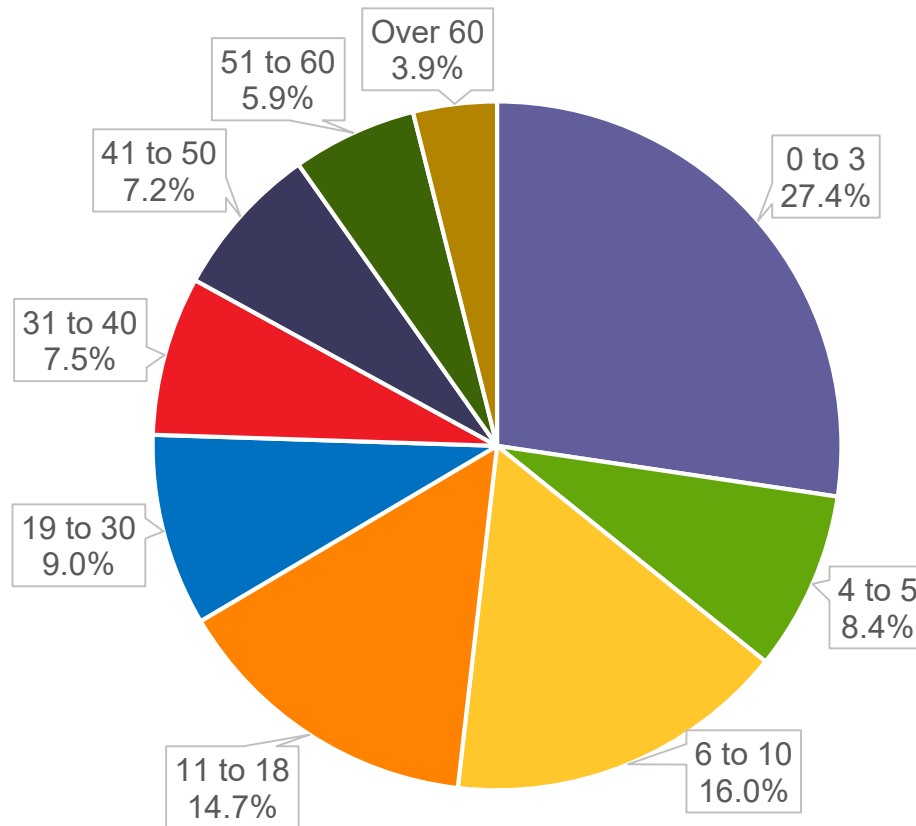
CDT Code D9996: Teledentistry – asynchronous; information stored and forwarded to dentist for subsequent review



Additional Informative Analyses

Food Allergy Demographics

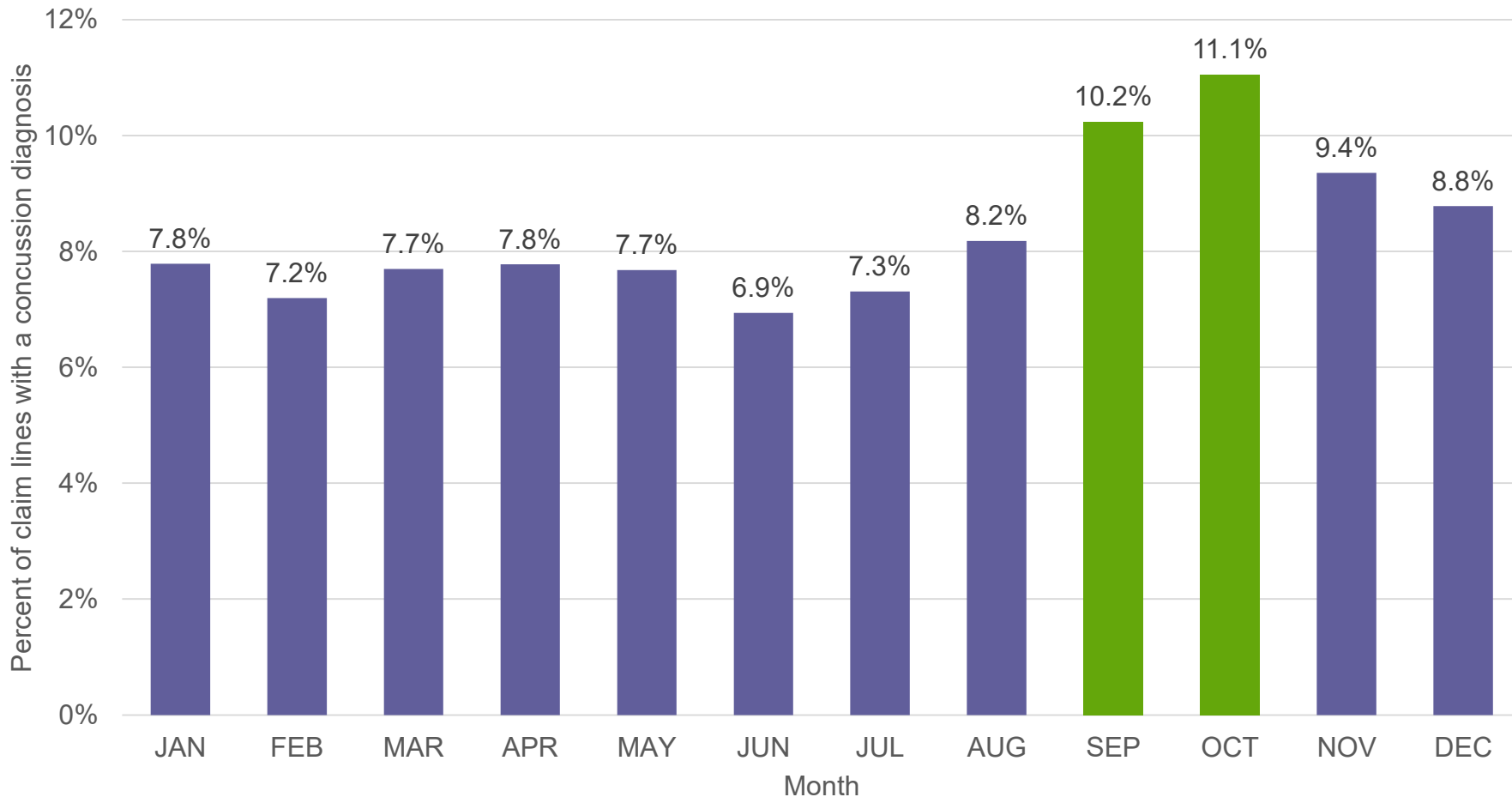
Claim Lines with Food Allergy Diagnoses by Age Group in Years, 2007-2016



FAIR Health, *Food Allergy in the United States: Recent Trends and Costs*, A FAIR Health White Paper, November 2017, <https://s3.amazonaws.com/media2.fairhealth.org/whitepaper/asset/Food%20Allergy%20White%20Paper%20Final.compressed.pdf>.

Pediatric Concussion Diagnoses by Month

Percent of Concussions in Pediatric Patients, 2015-2017 (under Age 22)

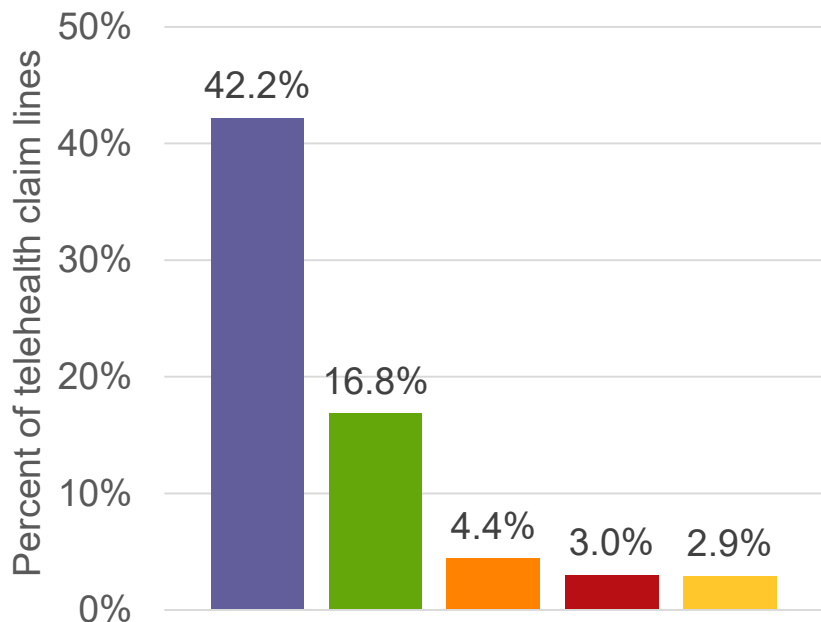




COVID-19

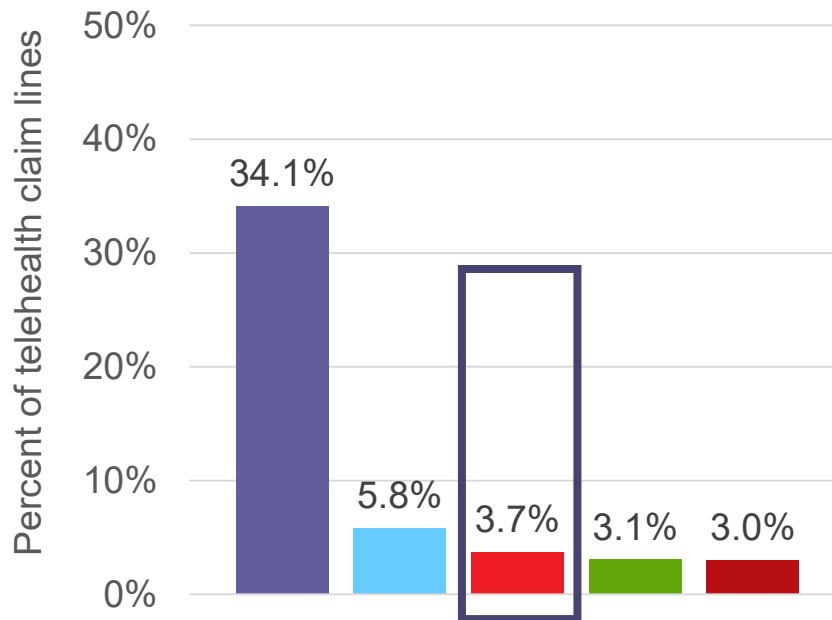
Increase in Hypertension Diagnoses via Telehealth Nationally from April 2019 to April 2020

April 2019



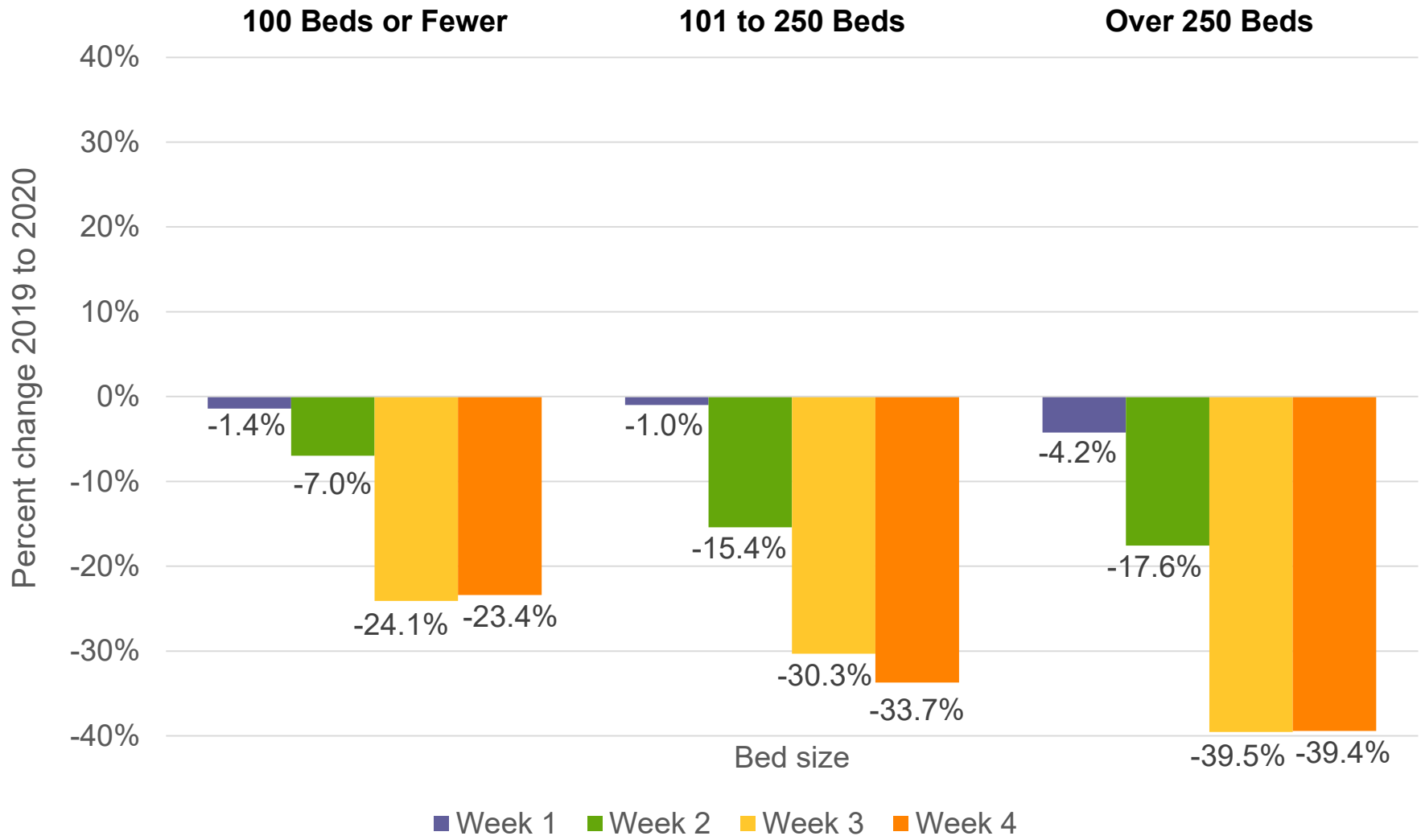
- Mental Health Conditions
- Acute Respiratory Diseases and Infections
- Urinary Tract Infections
- Skin Infections and Issues
- Eye Infections and Issues

April 2020



- Mental Health Conditions
- Joint/Soft Tissue Diseases and Issues
- Hypertension
- Acute Respiratory Diseases and Infections
- Skin Infections and Issues

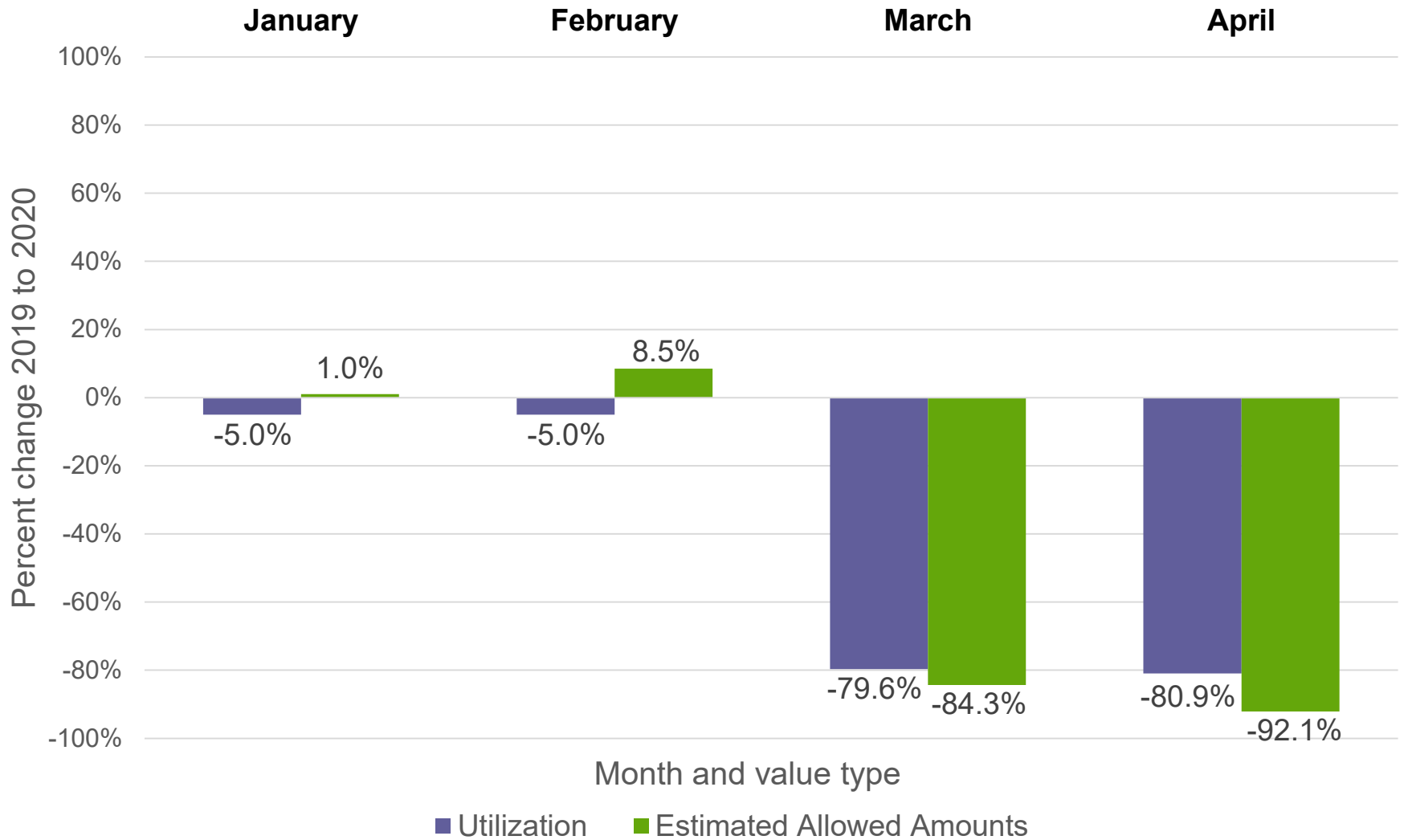
Change in Per-Facility Volumes in Northeast, from March 2019 to March 2020



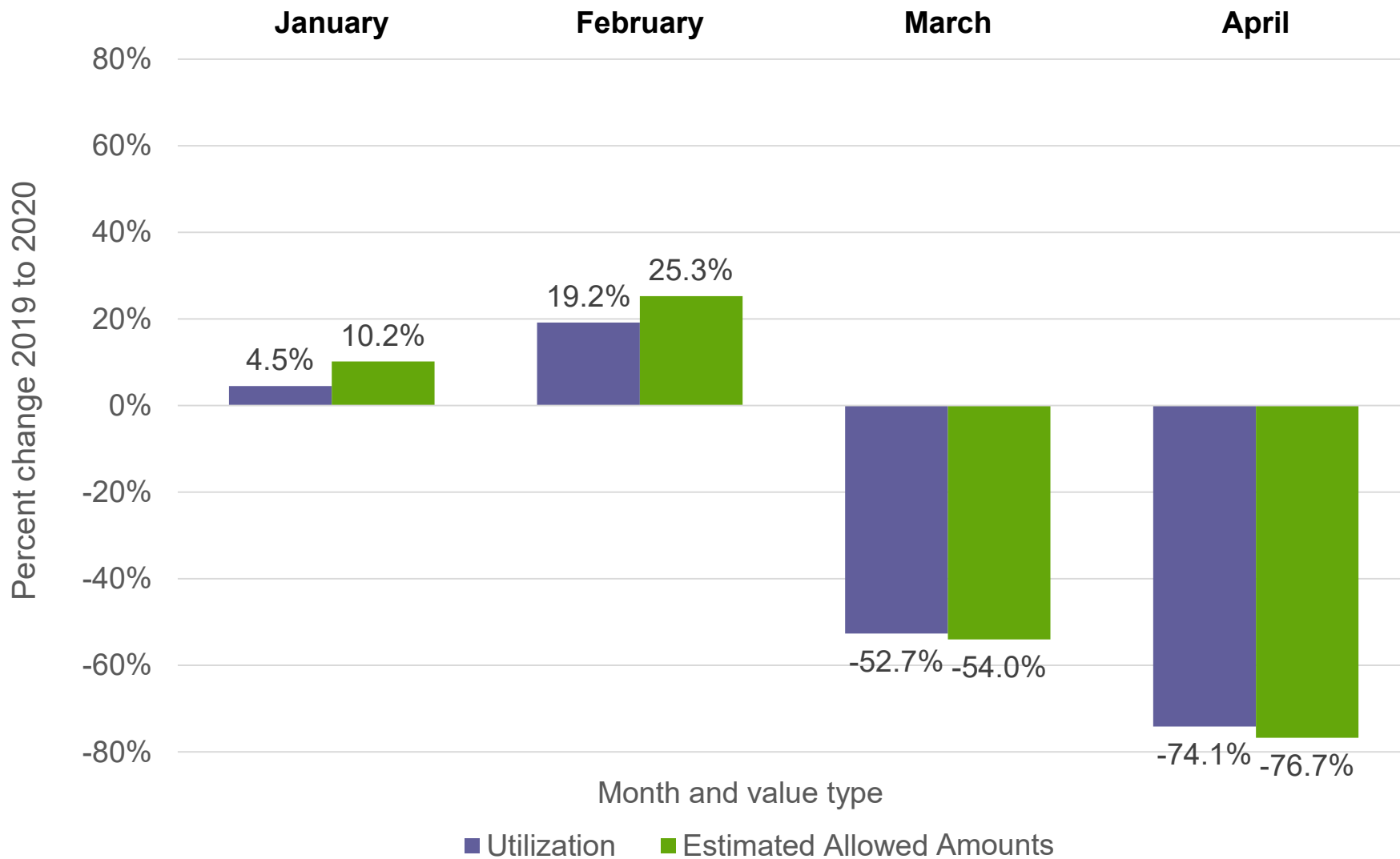
Top Comorbidities of Patients Hospitalized for COVID-19 Nationally, from January to May 2020

Comorbidity	Ranking	Percent of Hospitalized COVID-19 Patients
Chronic Kidney Disease and Kidney Failure	1	13%
Type 2 Diabetes	2	10%
Hypertension	3	7%
Atrial Fibrillation and Flutter	4	7%
Heart Failure	5	6%
Sleep Disorders	6	6%
Chronic Obstructive Pulmonary Disease	7	5%
Asthma	8	4%
Anxiety Disorders	9	4%
Other Cardiac Arrhythmias	10	4%

Change in Oral Surgery Nationally, from 2019 to 2020



Change in Adult Preventive Care Nationally, from 2019 to 2020



Questions/Discussion



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**For more information, contact
855-301-FAIR (3247) or info@fairhealth.org.**