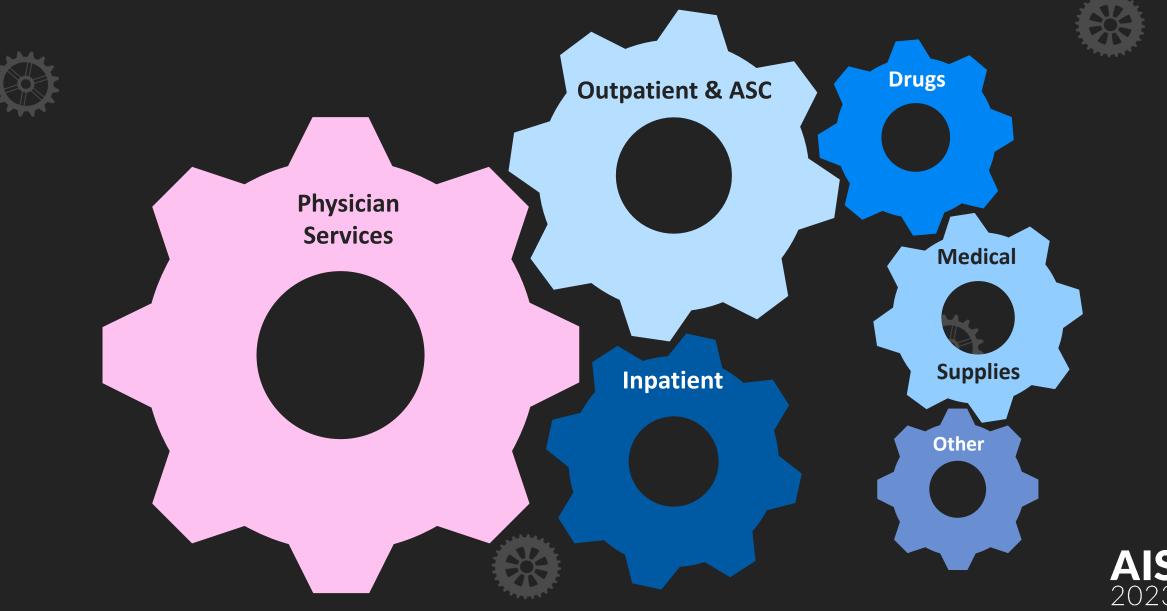
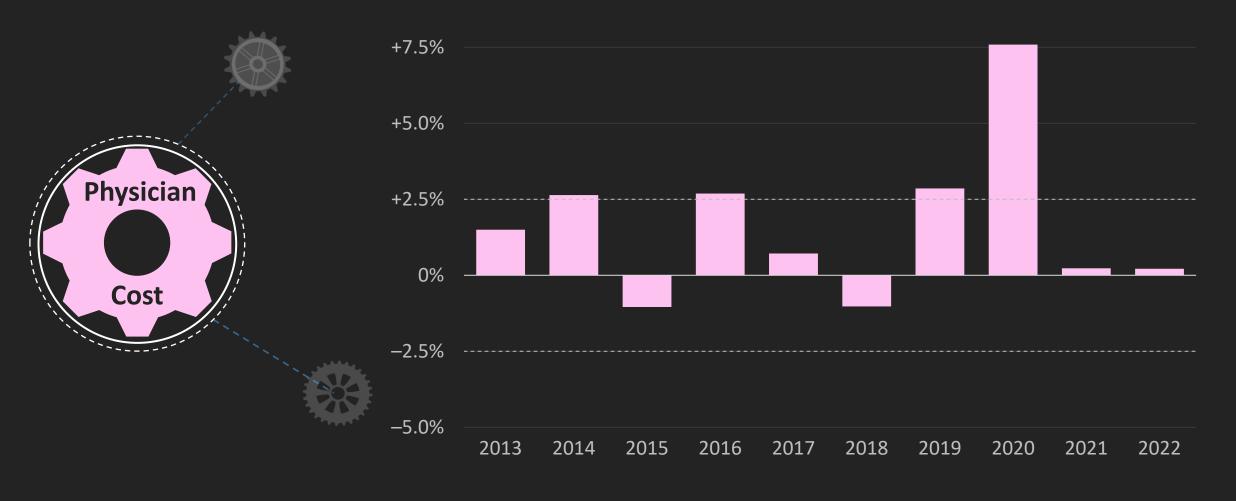


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### Physician Services Drive Medical Severity

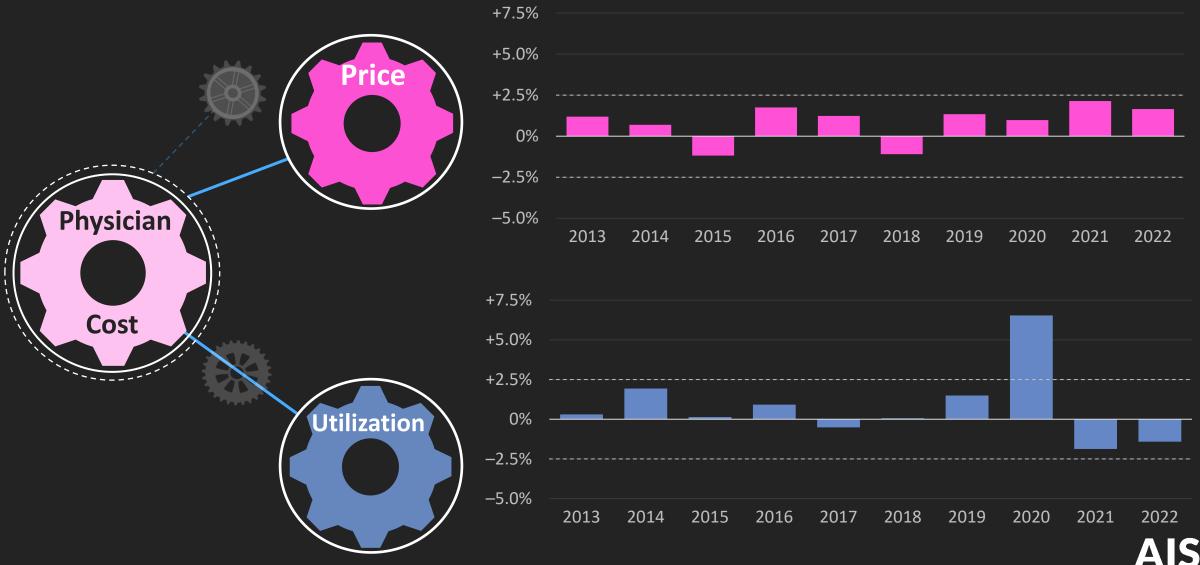


### Annual Changes in Physician Cost per Claim Are (Mostly) Moderate



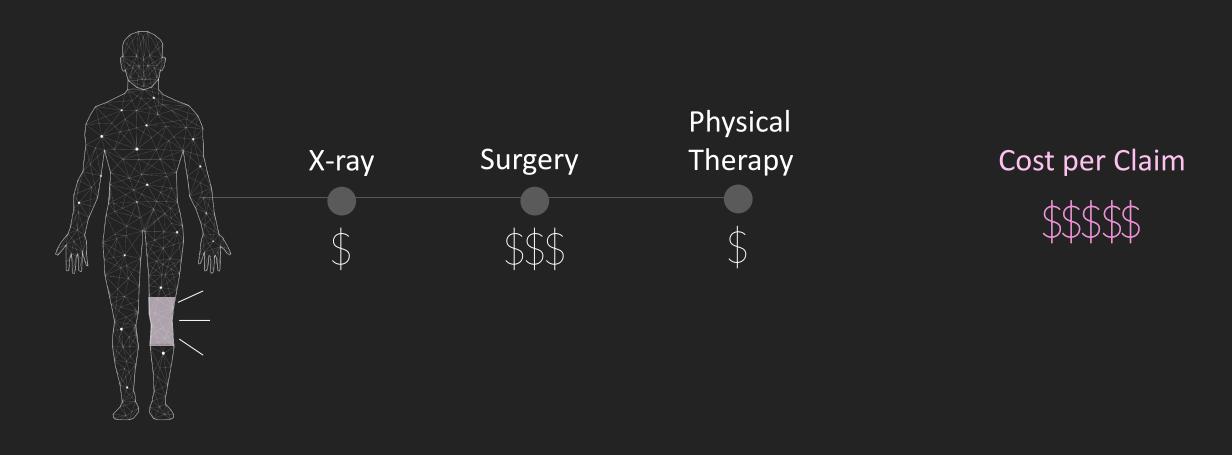


### Annual Utilization Changes Are Steady, Except for COVID Years



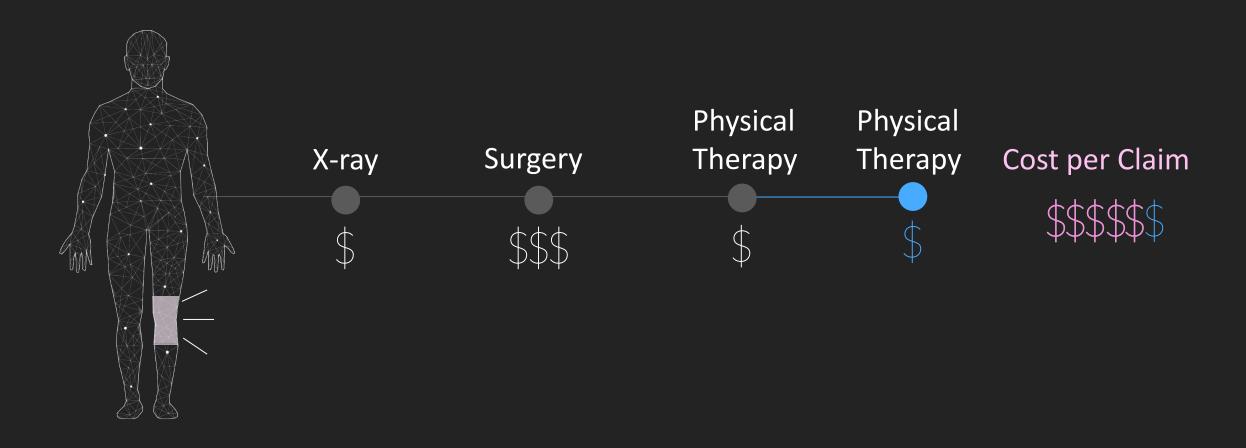
Source: NCCI's Medical Data Call

# Paid Cost per Claim Is Driven by Price and Utilization



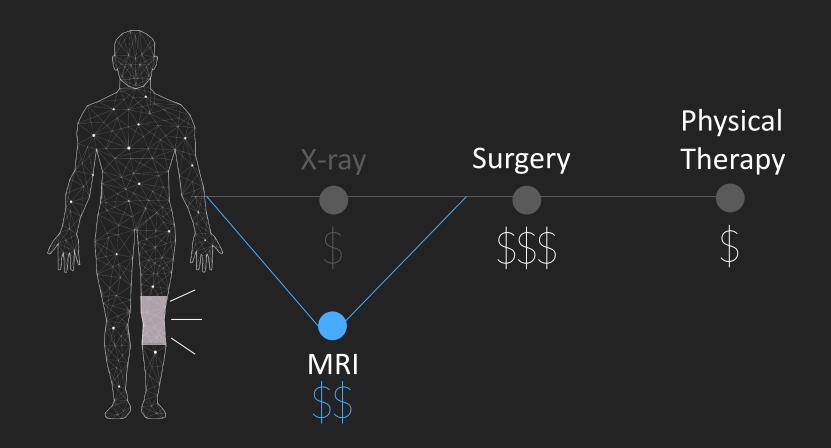


# Utilization Depends on the Quantity of Services ...





# ... and the Type of Service as Well

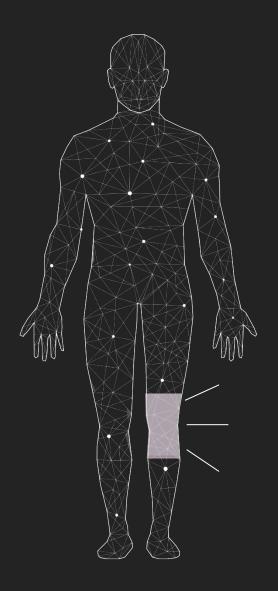


Cost per Claim

\$\$\$\$\$



# Like Paid Cost, Utilization Can Be Quantified

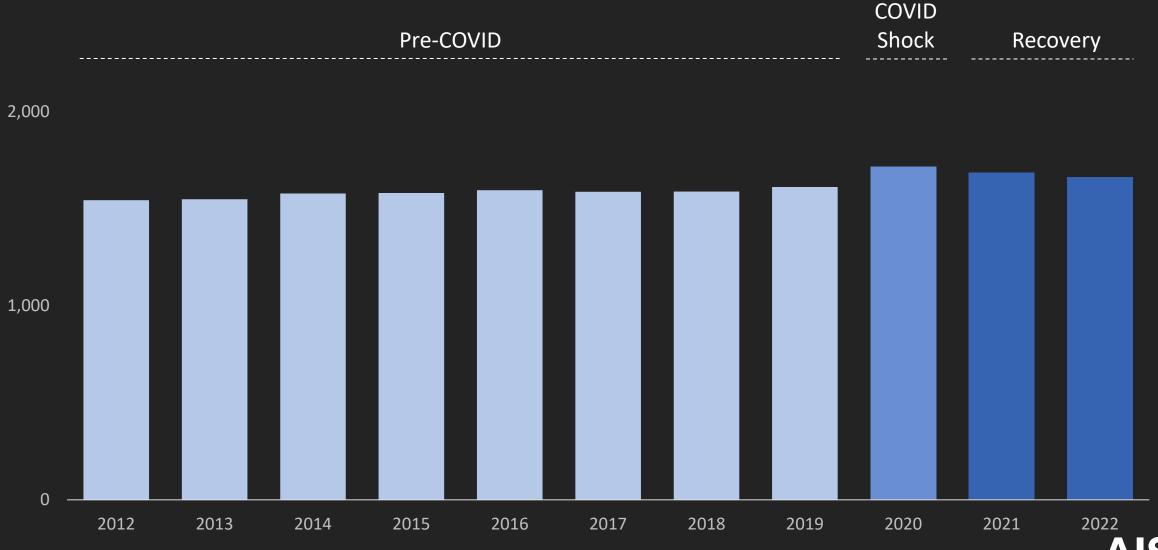


Service	<b>Utilization Units</b>
X-ray	50
Surgery	2,200
Physical Ther	apy 40



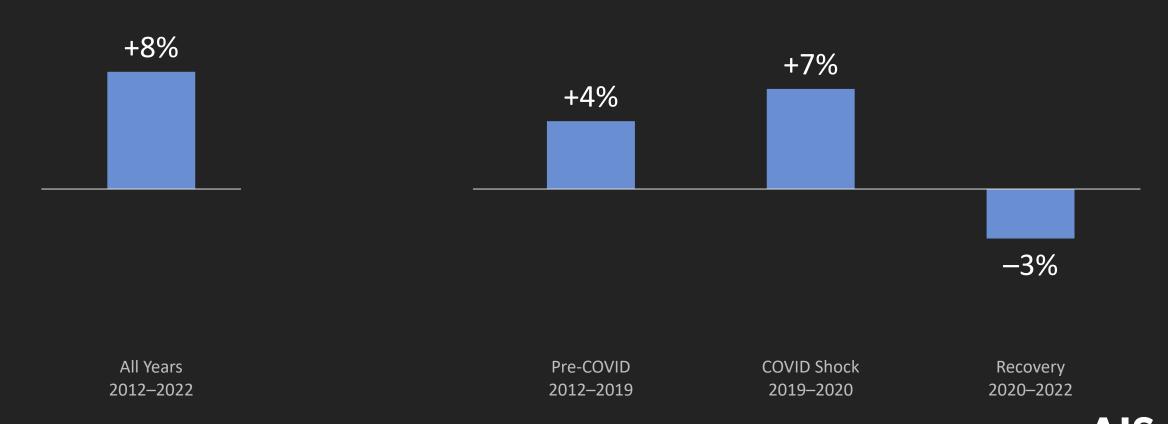


#### Utilization of Physician Services per WC Claim Has Been Stable



Source: NCCI's Medical Data Call

### Steady Increase Through 2019, Then COVID Shock and Recovery



Source: NCCI's Medical Data Call

### What Drives Changes in Physician Service Utilization per Claim?

**Injury Mix** 

Medical Treatment



**Body System** 



**Surgery Rate** 



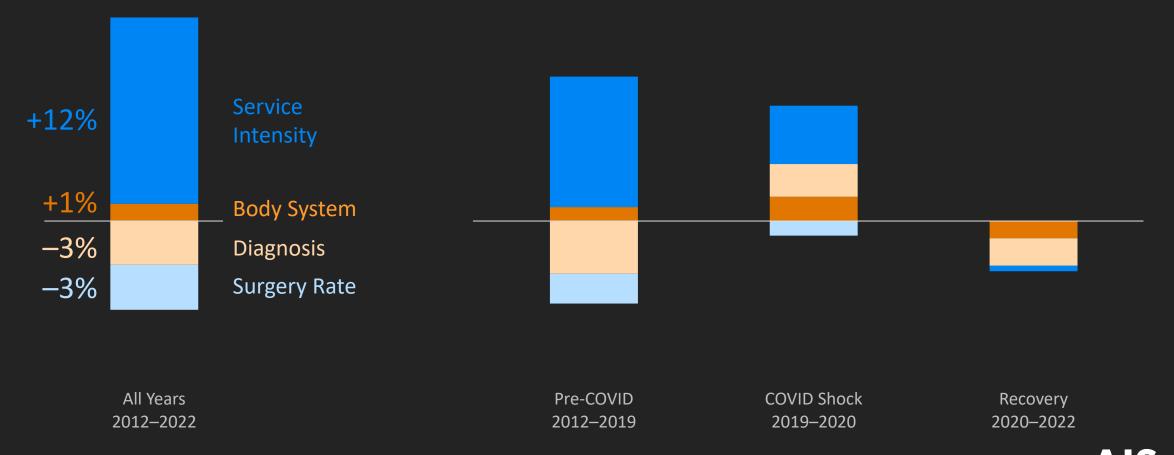
Diagnosis



**Service Intensity** 

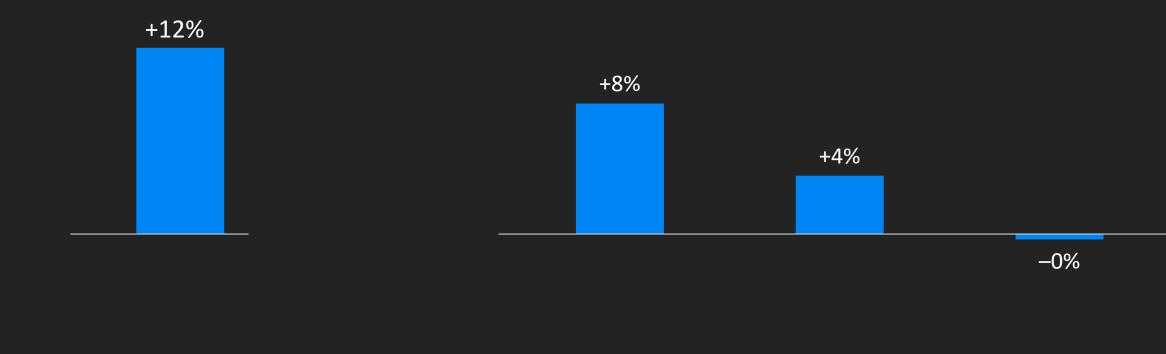


#### Contributions via Medical Treatment Dominate Shifts in Mix



Source: NCCI's Medical Data Call

#### Medical Service Intensity per Claim Is the Biggest Contributor ...



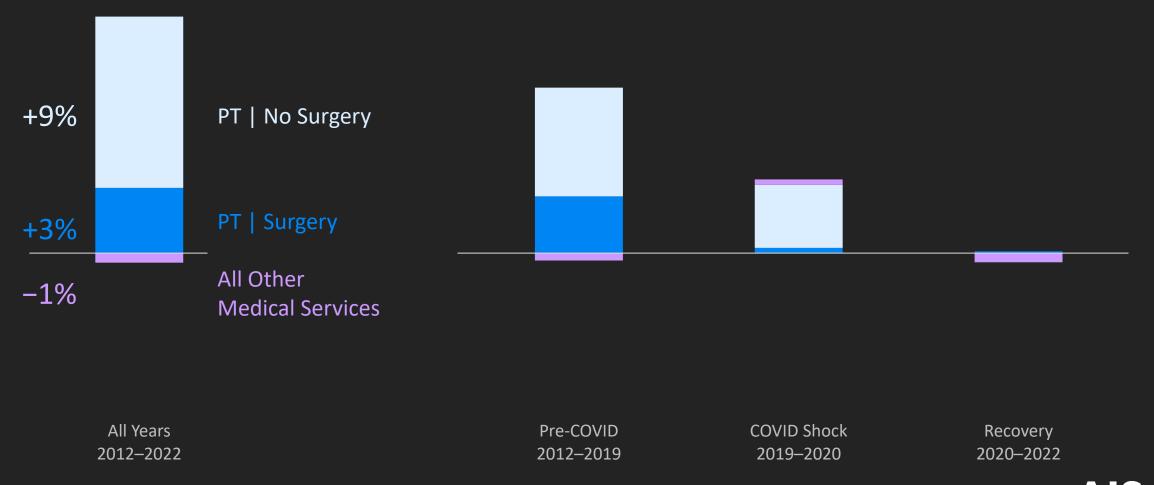
All Years 2012–2022 Pre-COVID 2012–2019

COVID Shock 2019–2020

Recovery 2020–2022

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### ... Driven By More Physical Therapy (PT) per Claim



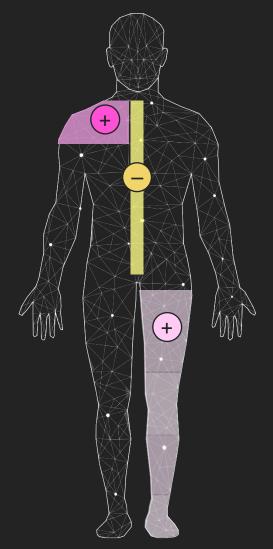
Source: NCCI's Medical Data Call





### Which Body Systems Are Driving Utilization Trends?

Calendar Year 2012 to 2022

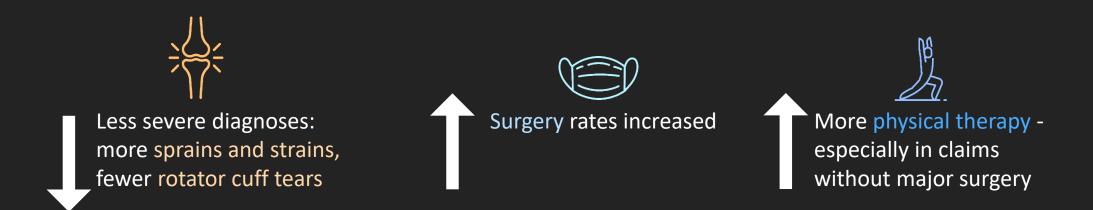


Body System	Claim Share	Contribution
All Other	42%	+2%
Leg (Leg/Knee/ Ankle/Foot	25%	+6%
Shoulder	14%	+6%
Back/Neck	19%	-6%
		_



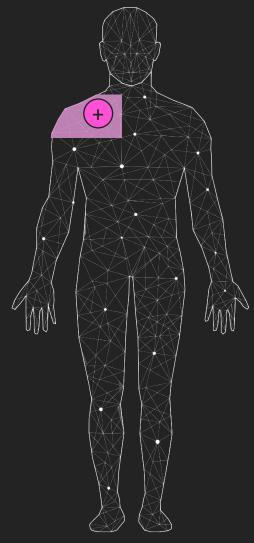
### Utilization of Physician Services per Shoulder Claim Is Up +6%







### And More Shoulder Injuries Push Up Utilization per WC Claim



12% 14%

Shoulder Claim Share

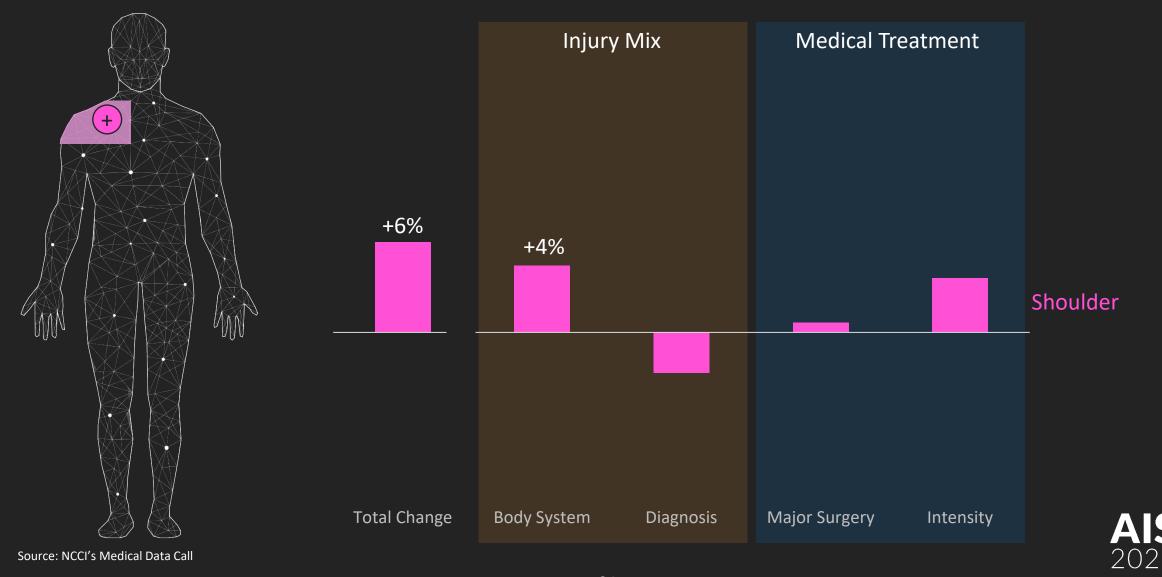
+4%

Physician Utilization via Shoulder Claim Share





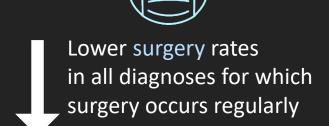
### Shoulder Injuries Contribute +6% to Utilization Change



### Utilization of Physician Services per Leg Claim is Up +13%



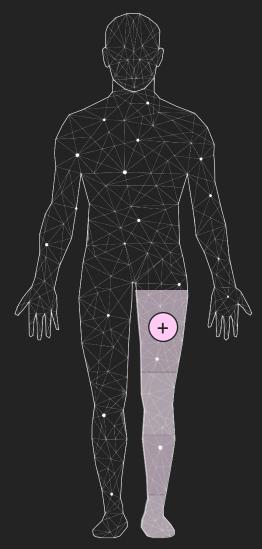








#### And More Leg Injuries Push Up Utilization per WC Claim



21% 1 25%

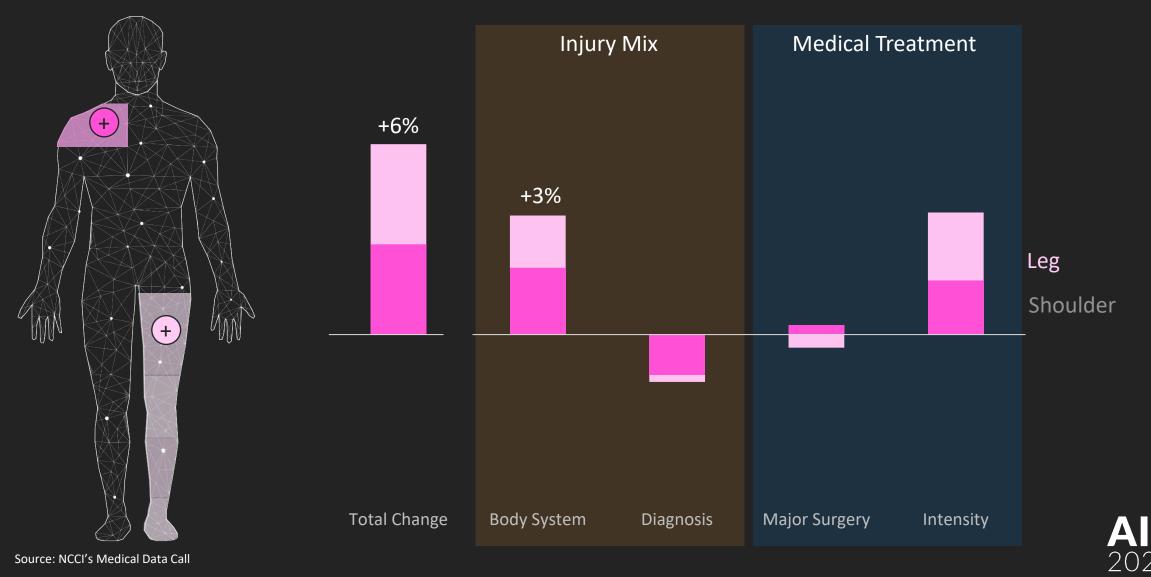
Leg Claim Share

+3%

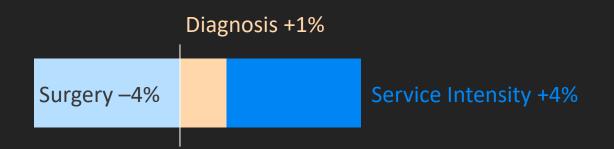
Physician Utilization via Leg Claim Share



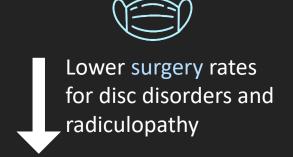
#### Leg Injuries Contribute +6% to Utilization Change



### Utilization of Physician Services per Back/Neck Claim is Up +1%





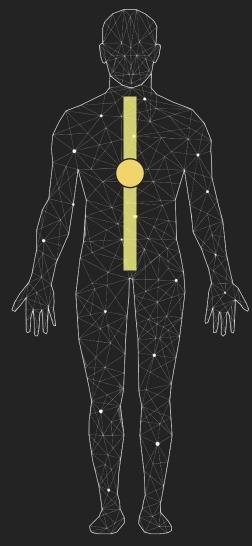




Service intensity Increased PT offset by decreases in complex imaging and injections



#### And Fewer Back/Neck Injuries Push Down Utilization per WC Claim



24% 19%

-6%

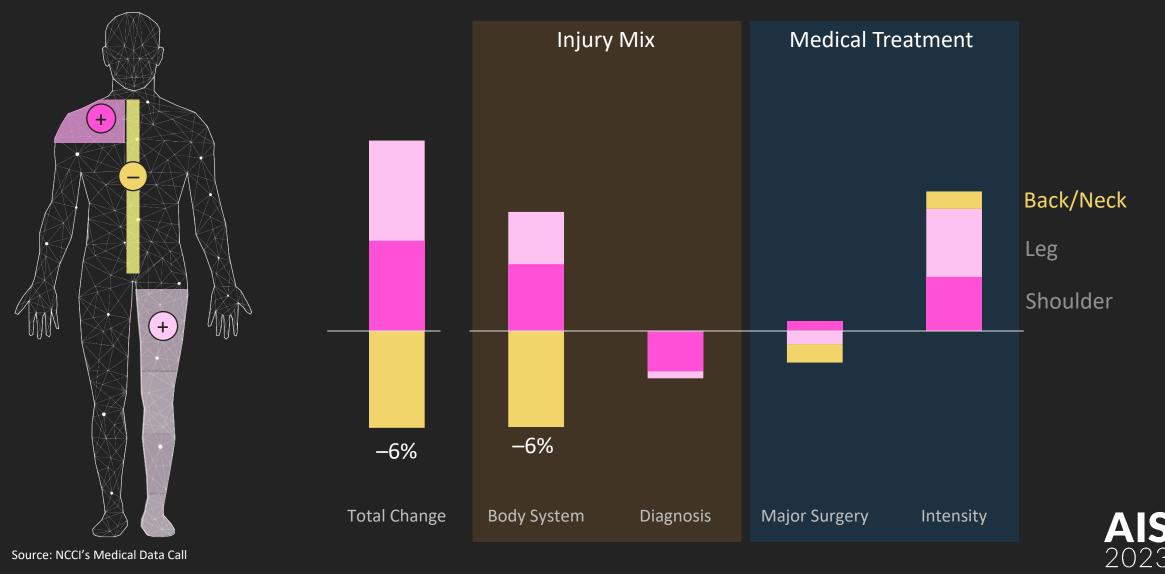
Back/Neck Claim Share

Physician Utilization via Back/Neck Claim Share



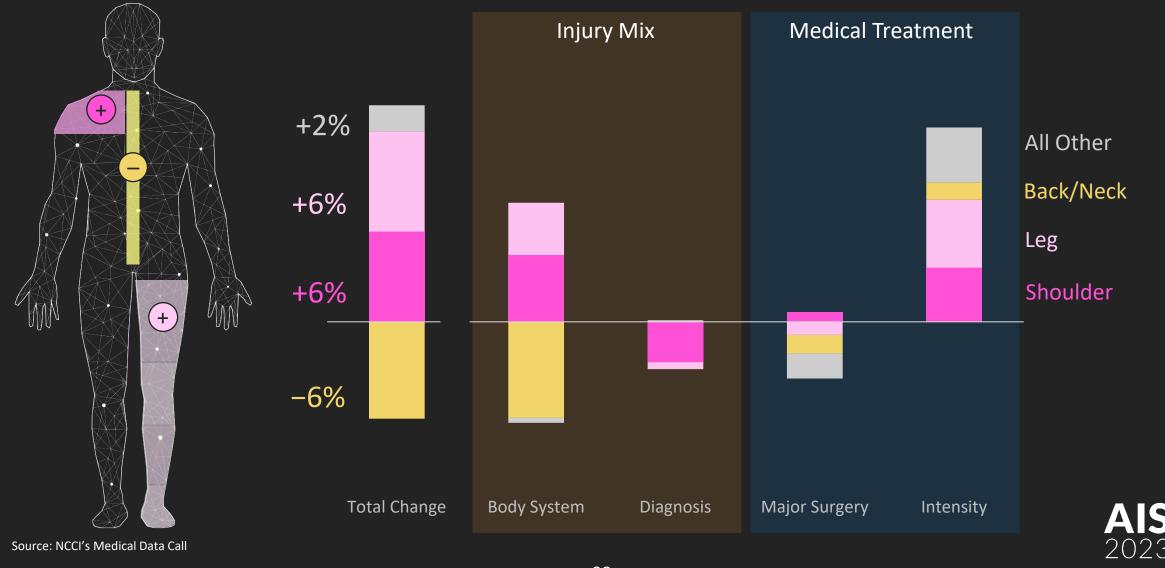


### Back/Neck Injuries Contribute -6% to Utilization Change



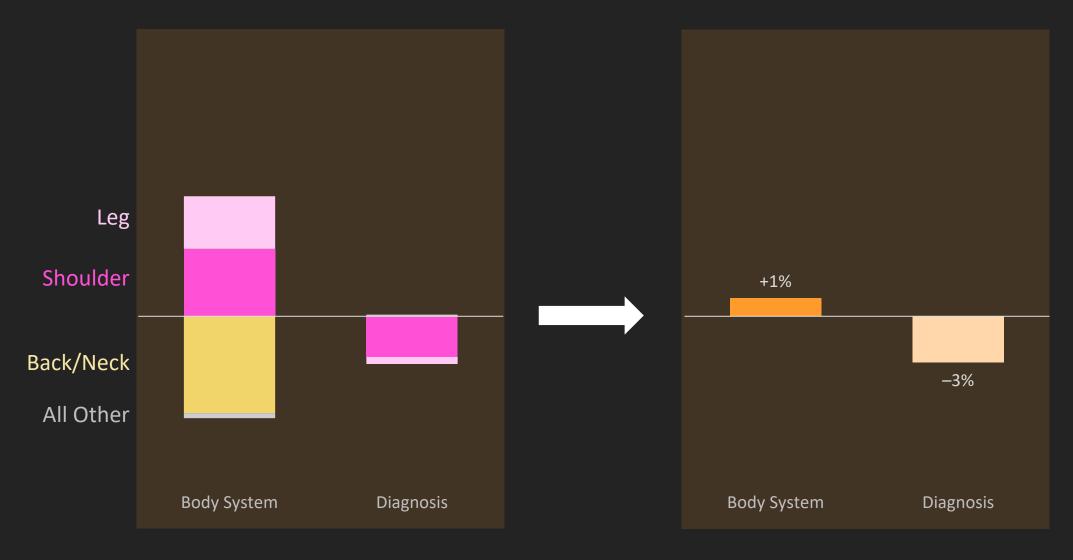
#### Adding Up the Utilization Changes Across Body Systems

Calendar Year 2012 to 2022



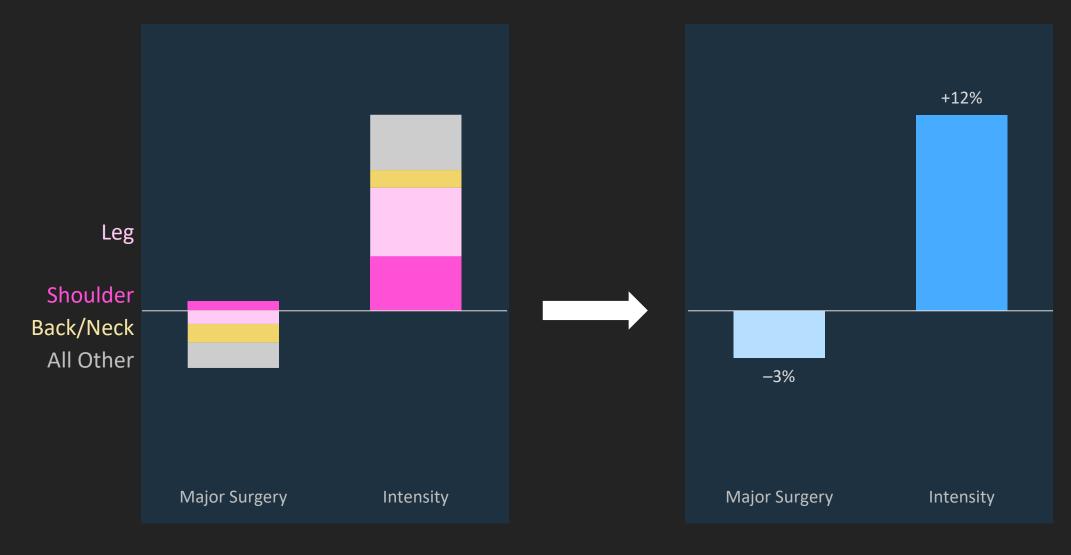


#### Injury Mix Contributes –2% to Utilization Change per Claim



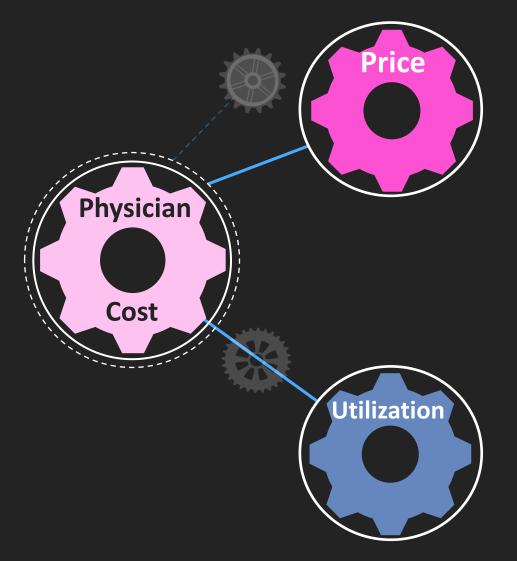


#### Medical Treatment Contributes +9% to Utilization Change per Claim



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### Utilization is a Key Driver of Physician Cost per Claim



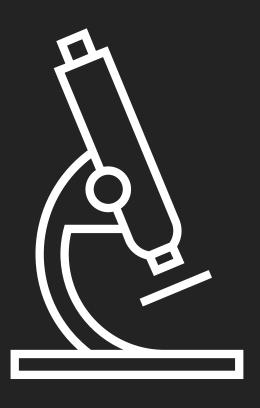
Physician Service Utilization

+8%

from 2012 to 2022



### Deconstructing Medical Cost Drivers Provides Insight



#### **Injury Mix**



Body System Diagnosis

#### **Medical Treatment**



Service Intensity Surgery Rate

