# 2024 ACR-RBMA Practice Leadership Forum

Keynote Address:
Challenges Facing the Radiology Workforce:
Physician Wellness, Engagement, and
Empowerment

Alexander Ding, MD, MS, MBA Friday, January 19 | Phoenix



American College of Radiology™ Radiology Leadership Institute



# **Faculty**



Alexander Ding, MD, MS, MBA

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### <u>Disclosures</u>

Nothing to disclose

### **Objectives**

- Define the challenges facing the radiology workforce
- Describe strategies for workforce wellness, engagement, and empowerment

### The State of the Radiology Workforce

- Rising volumes
- Increasing workloads
- Workforce shortage
- Rate cuts
- Aging workforce
- Increasing burnout

# What are the biggest challenges you've faced so far this year?

#### Management

- 1) Overall staffing levels
- 2) Increased workload due to organizational changes
- 3) Patient volumes increased
- 4) Struggles dealing with staff
- 5) Struggles with internal management
- 6) Patient volumes down

#### **Physicians**

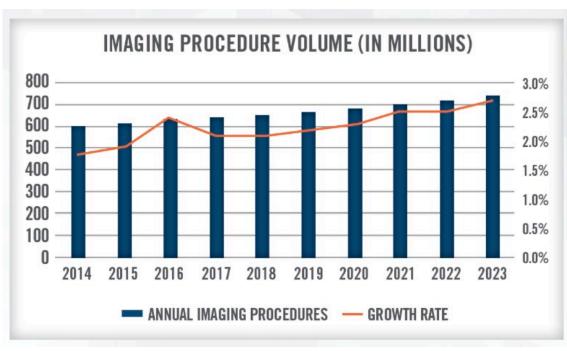
- 1) Patient volumes increased
- 2) Increased workload due to organizational changes
- 3) Overall staffing levels
- 4) Struggles with internal management
- 5) New role or position internally
- 6) Patient severity/mix

#### **Technologists**

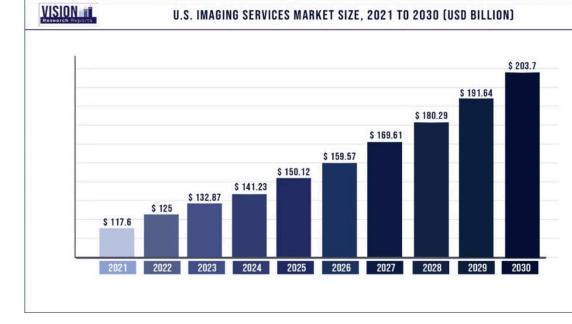
- 1) Patient volumes increased
- 2) Increased workload due to organizational changes
- 3) Struggles with internal management
- 4) Overall staffing levels
- 5) Struggles dealing with staff
- 6) Danger or risk of treating COVID patients

Source: 2023 Radiology Business Salary and Job Satisfaction Report

#### Volumes have and will continue to rise







Source: 2020 Outlook HealthCare Appraisers

### But workforce numbers are stagnant to slow growing

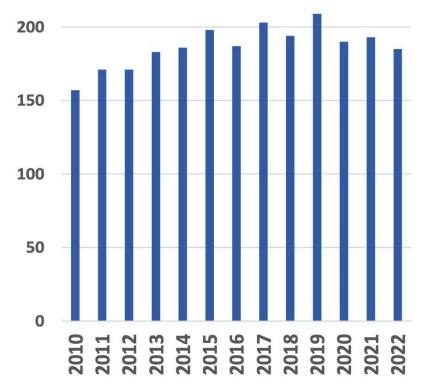


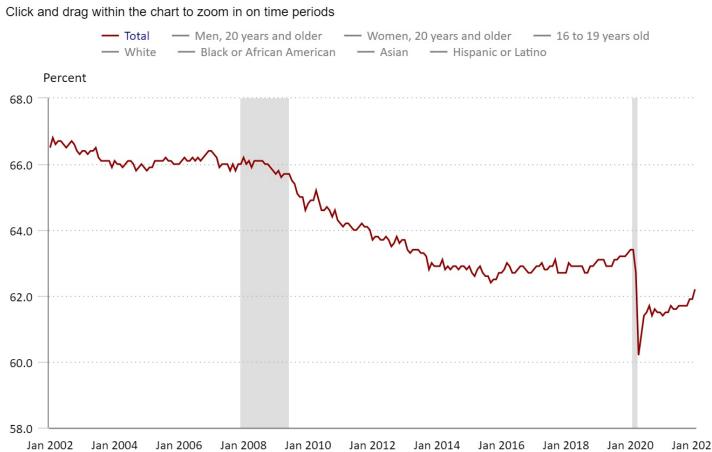
Figure 1: Radiation oncology total residency slot quotas 2010 - 2022

Source: ASTRO

- Growth is restricted by residency spots, and is slower than rise in work volumes
- Workforce itself is aging
- Workforce is leaving for other careers
- Younger generations have different views on work

#### Great Resignation: Healthcare not immune

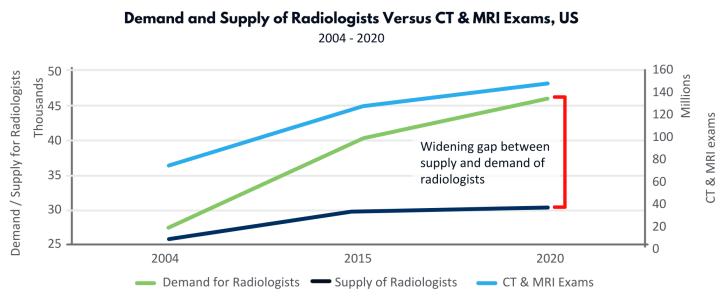
#### Civilian labor force participation rate, seasonally adjusted



- U.S. Bureau of Labor Statistics (BLS) stated
   4.5 million workers quit or changed jobs in November 2021
- Health care industry was second among industries hit by the "Great Resignation."

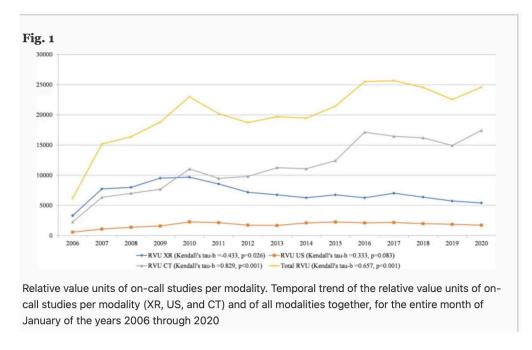
Source: US Bureau of Labor Statistics

# Resulting in supply/demand mismatch & rising workloads



Source: Frost & Sullivan, 2019

Source: 2021 vRad Staffing Report Trends



Source: Bruls and Kwee. https://doi.org/10.1186/s13244-020-00925-z

# All while payment goes down, disproportionately to rads

Medicare physician payment is **not** keeping up with inflation. Why are physician services taking a backseat?

# Medicare updates compared to inflation (2001–2022)

Adjusted for inflation in practice costs, Medicare physician payment declined 22% from 2001 to 2022.





CMS estimates an overall impact of the MPFS proposed changes to radiology to be a 3 percent decrease, while interventional radiology would see an aggregate decrease of 4 percent, nuclear medicine a 3 percent decrease and radiation oncology and radiation therapy centers a 2 percent decrease if the provisions within the proposed rule are finalized. Part of the decrease is due to changes in relative value units (RVUs) and the third year of the transition to clinical labor pricing updates.

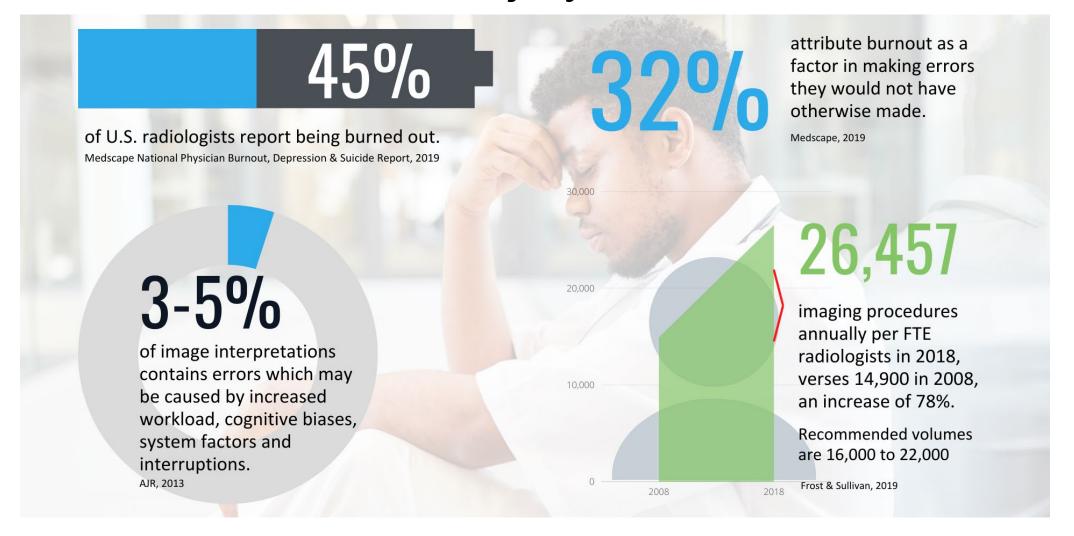
Table 1. Mean adjusted reimbursement trends from 2007 to 2019

lmaging Modality	Mean CAGR	Mean Annual Change	Mean Unadjusted Total Percentage Change	Mean Total Percentage Change
Bone densitometry	-9.7%	-\$8.24	-63.6%	<del>-</del> 70.5%
CT	-4.9%	<b>-</b> \$17.66	-32.2%	-45.1%
CTA	-6.0%	-\$38.12	-41.4%	-52.5%
Mammography	-0.6%	-\$0.98	14.7%	<b>-7.1%</b>
MRA	-6.2%	-\$39.83	-42.8%	-53.7%
MRI	-8.2%	-\$52.08	-55.7%	-64.1%
Nuclear medicine	-0.4%	-\$0.32	18.2%	-4.3%
Radiography	-1.3%	-\$0.71	5.5%	-14.6%
Ultrasound	-2.1%	-\$4.13	-4.8%	-22.9%

Note: All values are adjusted for inflation. CAGR = compound annual growth rate; CTA = CT angiography; MRA = MR angiography.

Source: JACR https://doi.org/10.1016/j.jacr.2020.07.003

### This results in moral injury and a demoralized field



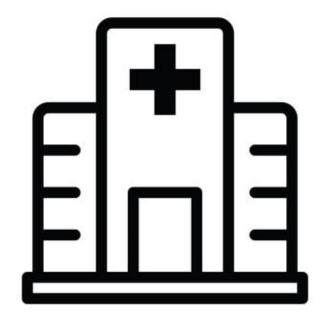
### ...with different implications by practice type



**Private Practice** 



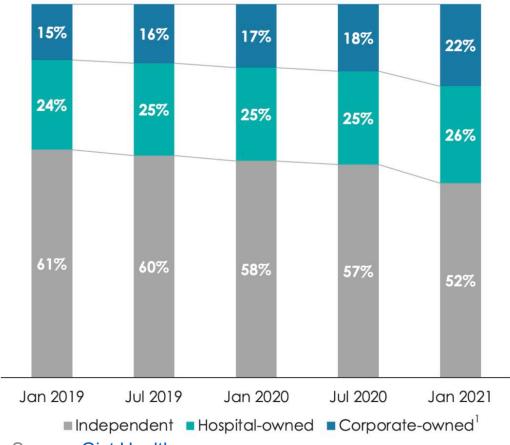
**Corporate Practice** 



**Academic Practice** 

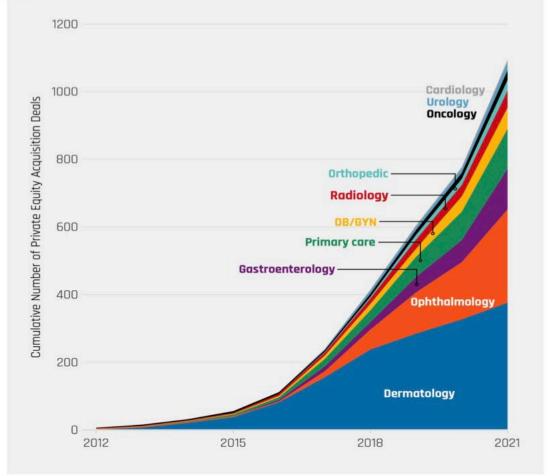
### Rise of physician employment impacts workforce

Percentage of Physician Practices by Ownership Type



Source: Gist Healthcare

Figure 2: Cumulative Number of Private Equity Acquisition Deals of Physician Practices by Specialty, 2012-2021



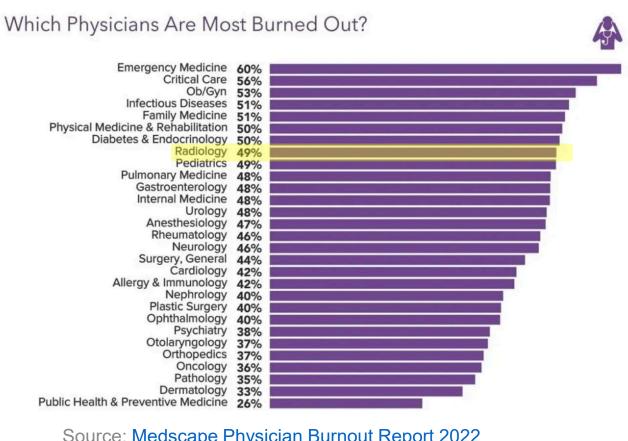
Source: Authors' analysis of PitchBook Data, Inc., as of June 15, 2022. PitchBook data has not been reviewed by PitchBook analysts.

Source: American Antitrust Institute

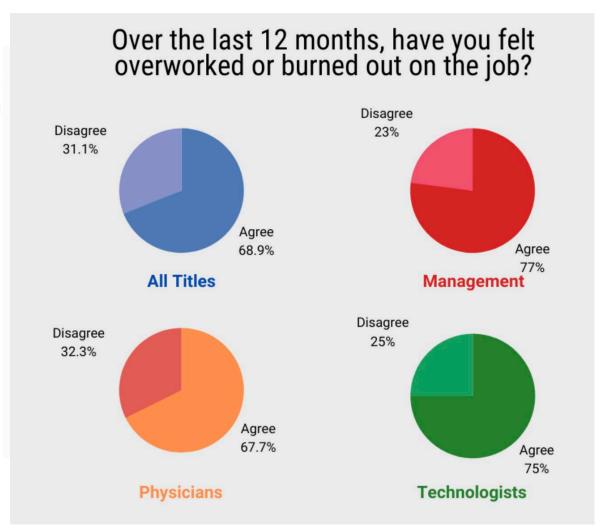
## Other industry trends contributing to workforce issues

- Admin burdens, increased documentation
- Increased complexity of cases
- Increased number of images per study, i.e. more sequences, thinner slices, more series
- Clunky IT systems
- Rising expectations for TAT

#### The workforce is burning/burned out







# Key Research Findings on Physician Burnout

Almost

2/3rds

of U.S. physicians experience burnout (AMA data)

Each 1 point increase equates to a

43% greater

likelihood of clinical reduction within 24 months





*It is estimated that* 

80%

of burnout is related to organizational factors

Burnout is shown to increase the risk of medical errors by

200%



Source: AMA

### Primary Drivers of Physician Burnout



High workloads







Increased time spent documenting/admin



Cultural shift from health values to corporate values





Loss of meaning in work

Workflow inefficiencies



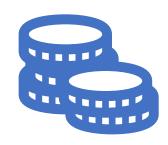
Source: AMA

#### **Estimated Costs of Burnout**

Each year, approximately

\$4.6 billion

in costs related to physician turnover and reduced clinical hours can be attributed to physician burnout in the United States.



\$500K

12-14 mos.

to replace a physician

Every 1 pt. increase in burnout and 1 pt. decrease in professional satisfaction, is associated with a

30-50%

increased likelihood that physicians will decrease their professional work effort.



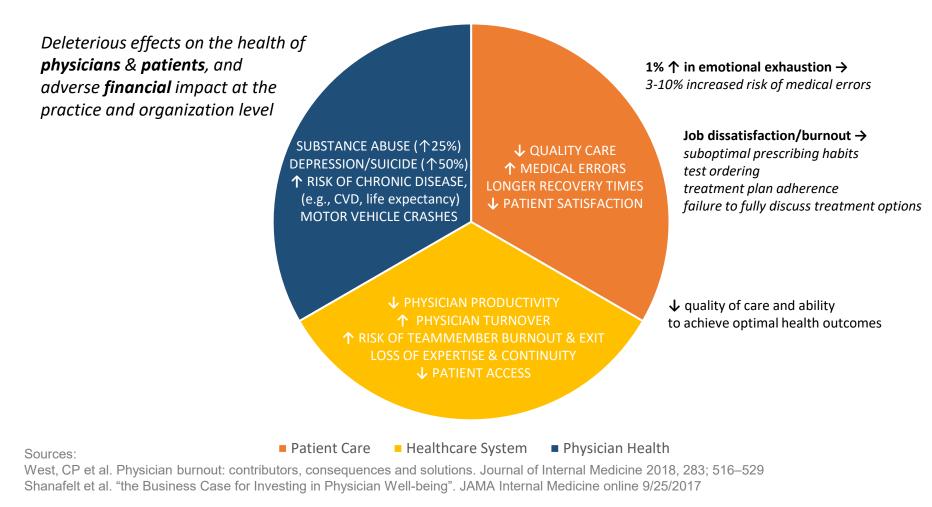
Annual economic costs associated with burnout related to turnover and reduced clinical hours is approximately

\$7,600

per employed physician per year.

Source: AMA

### Consequences of Physician Burnout



2024 ACR-RBMA PRACTICE LEADERSHIP FORUM

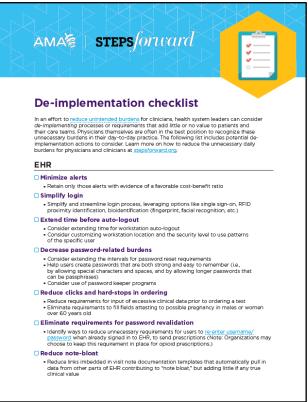
#### How the AMA thinks about burnout



Source: Stanford Model of Professional Fulfillment

#### Resources/services

- Organizational biopsy<sup>TM</sup>
- Steps Forward
- Joy in Medicine<sup>TM</sup>



#### How the ACR thinks about burnout

 Similar focus on root causes from the system

#### Also has great resources:

- ACR Well-Being 360 report
- Well-being support guides
- ACGME-aligned curriculum
- Well-being case studies

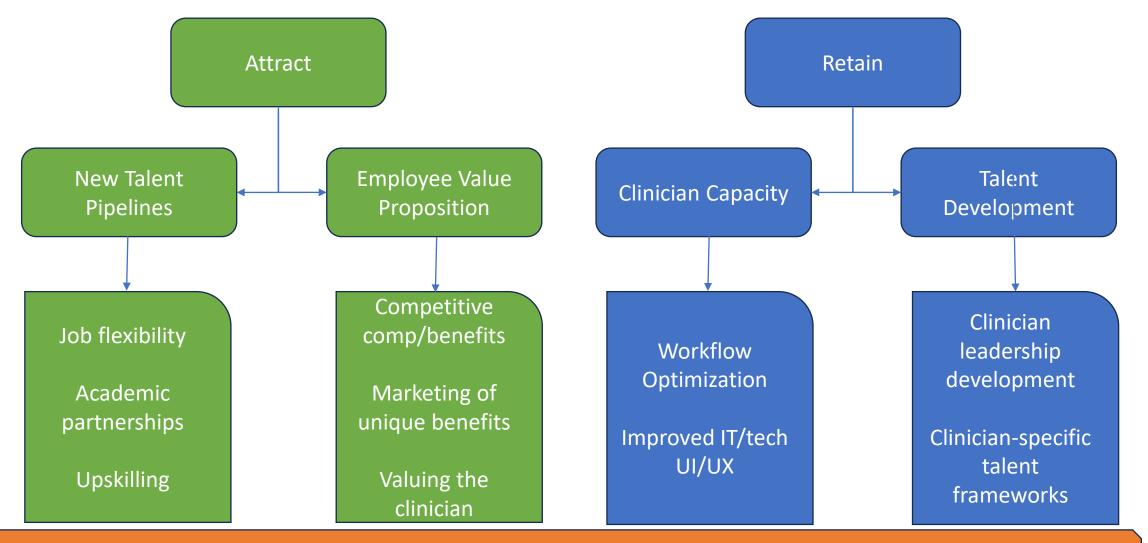


### Long term industry levers

- Supply
  - Augment w/ Al
  - Augment w/ extenders
  - Increase # with residency
  - Shorten residency pipeline
  - More interest

- Demand
  - Rads owns UM
  - AUC

#### Short/medium term focus on recruitment and retention



Clinical culture of health, wellness, and clinician voice and empowerment

#### The rising role of the Chief Wellness Officer

#### **Direct Responsibilities**

Evaluating the current scope of the problem, benchmarking, and monitoring the impact of interventions

Reporting the results throughout the organization (partnering with the communications department on this effort is helpful)

Designing an organization-wide strategy

Implementing appropriate components of the strategy and monitoring progress of areas responsible for other elements

Overseeing broad, system-level efforts to drive improvement in the dimensions most relevant to the local organization

#### **Indirect Responsibilities**

Communicating the vision, including why addressing the well-being of health care professionals is important to the organization's success

Assisting in advancing fundamental qualities of the organization, such as equity, participatory leadership, collegiality, mutual respect, and professionalism

Ensuring that the organization considers physician well-being in all consequential organizational decisions

Helping other leaders see the link between their work and the well-being of health care professionals







AMA Ed Hub > AMA STEPS Forward > By Topic

**PROFESSIONAL WELL-BEING** 

#### **Establishing a Chief Wellness Officer Position**

Create the Organizational Groundwork for Professional Well-Being

#### **Recommended CME**

Source: AMA Steps Forward

### The Humana and Centerwell experience

- Vertically integrated system
- ~1000 physicians
  - 1/3 administrative
  - 2/3 practicing primary care
- ~18,000 clinicians



- Think more broadly than just wellness
  - Workforce management
  - What does it take to be an employer of choice?

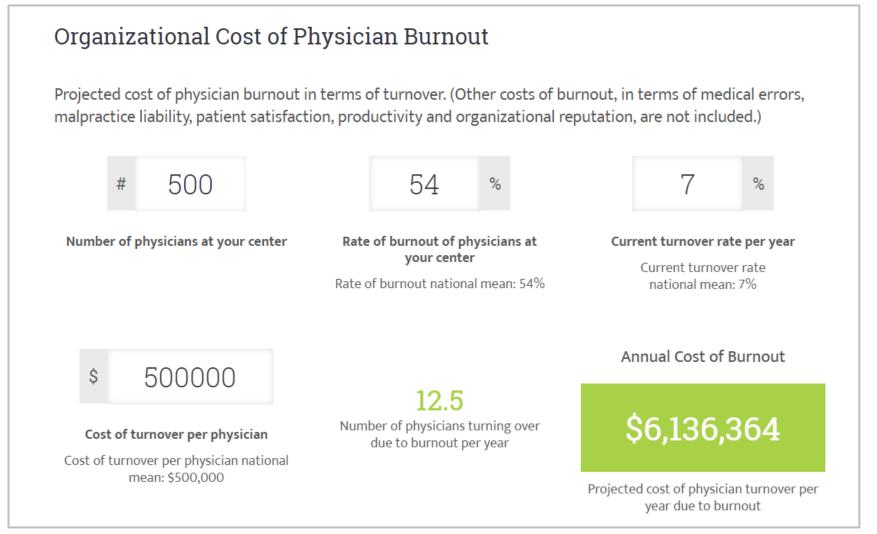


Humana

### You can't manage what you don't measure

Metric	Description		
Voluntary turnover	Individuals who actually leave the org. Calculated as a rate.		
Turnover risk	"I rarely think about looking for a new job with another org." Predictive of leaving in the next 90-days.		
Engagement	Composite score of the below + I recommend this org as a great place to work, I intend to stay at this org for at least the next 12 months, and I am proud to work for this org. Predictors of job satisfaction, productivity, and tenure.		
Speaking Up	"Top leaders listen to and act upon my ideas and suggestions. I feel like I can be open and honest with leadership about challenges and problems."		
Belonging	"I feel like I really belong at this org."		
Wellbeing	My leader really cares about my well-being. This org is committed to creating a work environment that contribute the health and wellbeing of employees. The stress I experience on the job is manageable. I have the flexibility I reto manage my work and personal needs. Burnout – MiniZ, Maslach,		
Career Cultivation	Opportunity for growth and development. Opportunities for advancement. I can achieve my career goals at this or		
Effective collaboration	There is effective collaboration between departments/teams. My leader gives us freedom to collaborate and work with other depts/teams. We are open to debate decisions and ideas.		
Empowerment	Decisions are made without unnecessary levels of approval. I have the freedom to serve our referring physicians and our patients. I am involved in decisions that affect my work.		

# Making the business case resonates with administrators



Source: Shanafelt JAMA Internal Medicine

# Developing an infrastructure to capture feedback & needs



**Executive Council** 

**Advisory Council** 



Community Building and Engagement Committee



Growth, Development, and Advancement Committee



Health and Well-being Committee



Inter-Professional Collaboration Committee



Our Goal

Develop and retain diverse, engaged and healthy physician teammates that will help drive best-in-class health outcomes for Humana members and CenterWell patients

Data Snapshot

950+ physicians at Humana

**67%** practicing **33%** administrative

**40+** specialties represented

Focus Area

#### Community Building and Engagement

Objective

Increase engagement and build connections for physicians across all markets and disciplines.

Measuring Success

Continued improvement to the AES and Continuous Listening (CL) engagement measure:

Belonging: "I feel like I really belong at Humana."

Vision Sentiment I feel valued at work and belong to a clinical team critical to the health of those we serve.

#### Growth, Development, and Advancement

Develop pathways and opportunities for professional development and career evolution.

Continued improvement to the AES and Continuous Listening (CL) engagement measure:

Career Cultivation: "Humana provides me with an opportunity for Growth and Development."

I trust that Humana cares about my career journey and is actively working to empower my growth and advancement.

#### Health and Wellbeing

Promote mental and physical health and inspire each other to prioritize self-care.

Continued improvement to the AES and Continuous Listening (CL) engagement measure:

Wellbeing: "Humana is committed to creating a work environment that contributes to the health and wellbeing of associates."

I feel empowered to holistically care for myself to strengthen my purpose in caring for others.

#### Interprofessional Collaboration

Increase physician impact through collaboration and communication with other clinical and business departments across the enterprise.

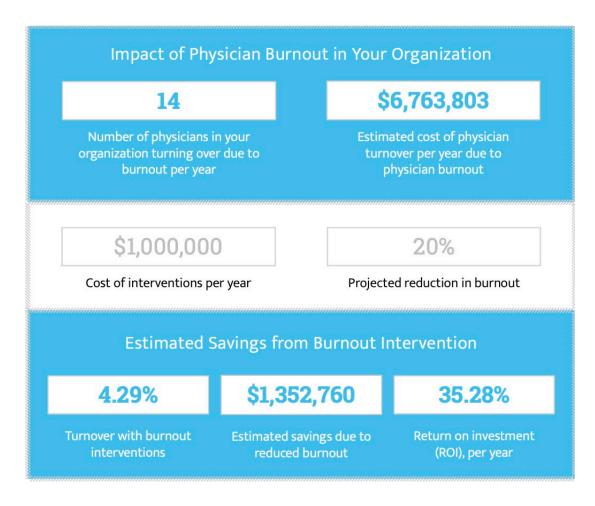
Continued improvement to the AES and Continuous Listening (CL) engagement measure:

Effective Collaboration: "In my organization, there is effective collaboration between departments/teams."

I am more effective in my job through improved communication, interaction, and collaboration with other clinicians and business units.

Health First: Healthy Physician Teammates support a Healthy Customer and Company, to back our values: Caring, Curious, and Committed

### Buy-in needs investment with capital and staffing



Source: Shanafelt JAMA Internal Medicine

# Thank you!

Questions?

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