SUPPORTING THE INFECTION PREVENTION WORKFORCE

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Disclosures

I have no financial disclosure or conflicts of interest with the following presented material.

Objectives



Acknowledge Challenges





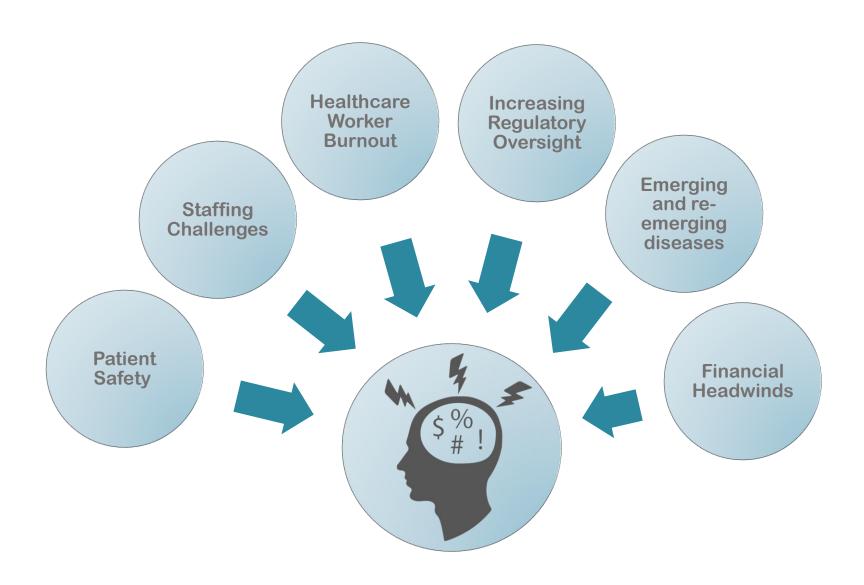
Value and Business Case



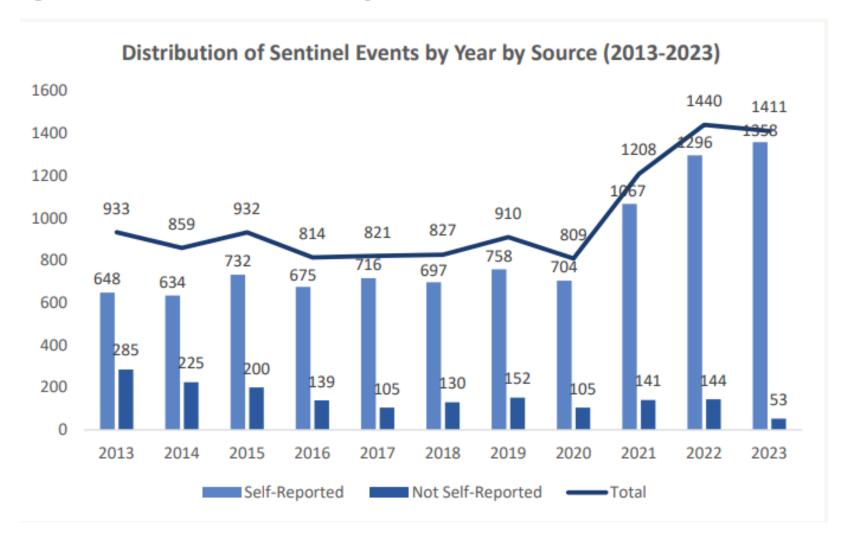


Grow and Retain Talent

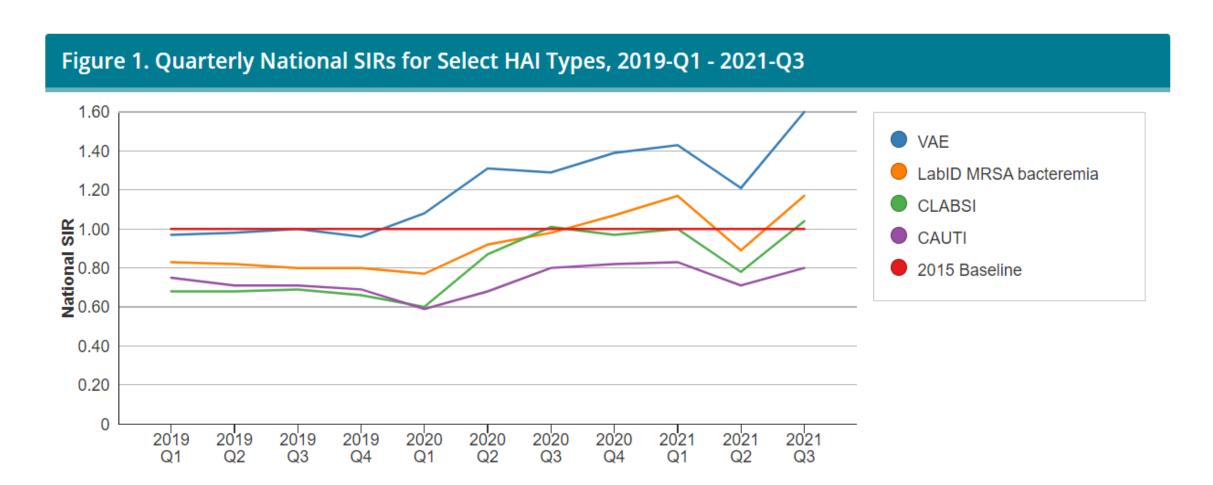
Reasons for Mounting Pressures



Rising Patient Safety Events



Impact of Pandemic on HAIs: Lessons for the Future

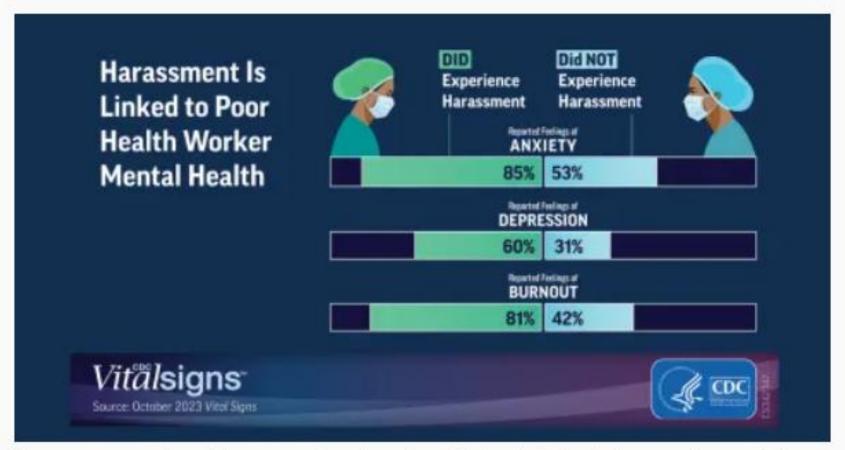


Staffing Challenges



- Retirements
 - 52% anticipate in the next 1-2 yrs
- Vacancies
 - 3-6 months to fill a position; up to a year
- Understaffed in non-acute care
 - IPs wear multiple hats
 - 58% report IP is less than half their job

Burnout



Burnout among health care workers has "reached crisis levels," according to Debra Houry, MD, MPH, the CDC's chief medical officer. Image: CDC

"IPs are suffering along with their coworkers as an epidemic of burnout and job turnover roils the healthcare system amid an ongoing pandemic". ~Ann Marie Pettis, RN 2021 President APIC

65% report symptoms of burnout



70% meet the criteria for "high stress"

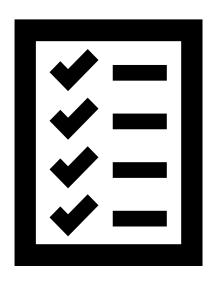




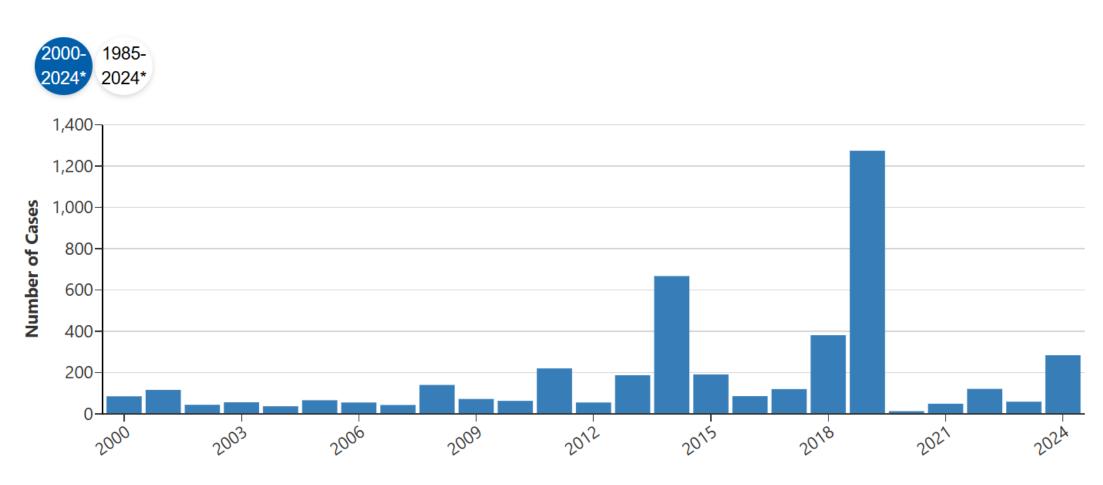
• 30% screened for positive for anxiety

Regulatory Oversight

- AAMI ST108
- CMS
- New Joint Commission IC standards
- Long Term Care Enhanced Barrier Precautions
- State/city mandates

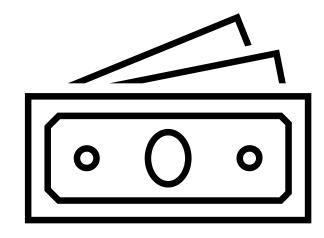


Re-emerging Infectious Diseases

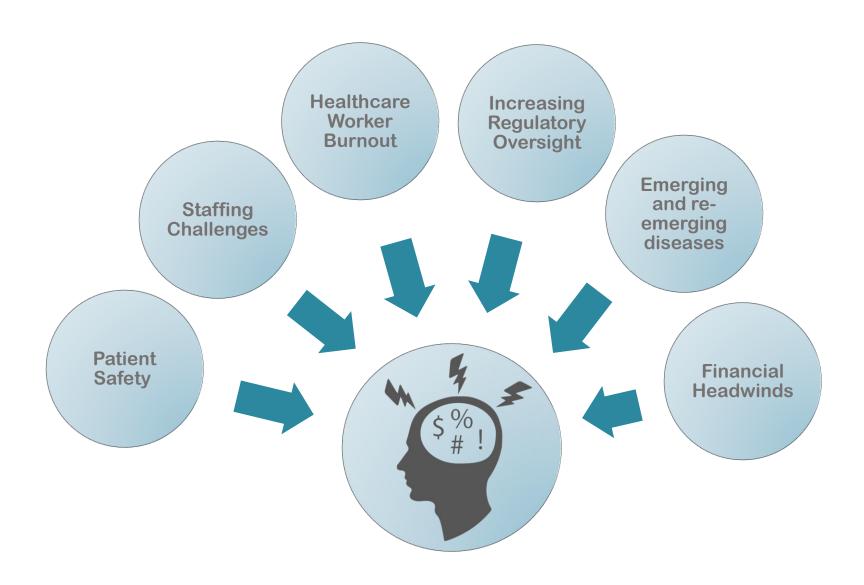


Financial Headwinds

- Increasing labor costs
- Inflation and supply chain costs
- Declining reimbursement
- Increased cost of caring for an aging population



Reasons for Mounting Pressures



Objectives



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Value and Business Case





Grow and Retain Talent

Value Starts with Improved Visibility



- Build awareness of what we do and why it's important
 - If no one understands our work, we can't expect them to invest in us



- Find ways to showcase your team and share successes
 - Tell the story, not just the data



 Sharing our value lets us track accomplishments and feel proud of our work

Welcome to Infection Prevention & Control

Articulate the Work

"IPC serves as CHOP's own health department. We are subject matter experts on preventing harm from infections to our patients, families, and employees. We do this through partnering and educating at the bedside and beyond. Our diverse portfolio includes monitoring for infections, managing the data, assessing the environment for risk, and disease response. We have our clean hands in everything!"

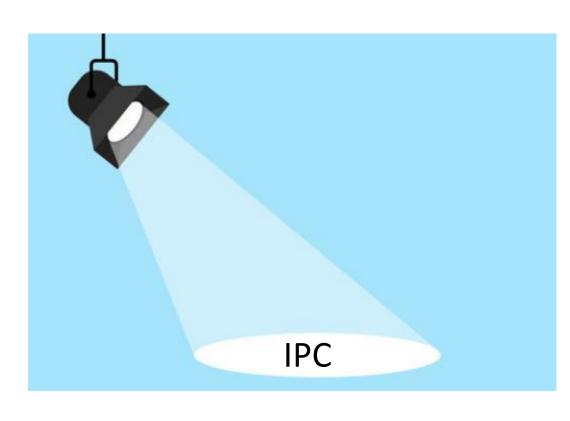
Multi-drug resistant **Transformation** Surveillance **Data Quality** Reporting organisms **Education &** IP Champion Patient Education **CPRR Partnership** Continuing Education Competency **Physical** High Level Disinfect **Environmental** Infrastructure & Sterilization Supply Chain & Logistics Services Partnership Linen Partnership Partnership Program Clusters, **Prevention &** Hand Hygiene Outbreaks & Consult **Rounding Program** Response Working Group **Exposures** Management Regulatory Bioresponse **HAI Prevention** Compliance Bench to Bedside

Showcase key metrics

- Showcase value and impact of IP work on patient outcomes and/or regulatory compliance
 - Preventing harm
 - Avoiding fines/penalties
 - Financial stewardship
- Simple to explain and understand

Pillar	Objective	Metric	Frequency	Target	Current	Trend
Prevention & Response	Hand hygiene quality	% compliance with 15 sec rub	Monthly	80%	75 %	1
Prevention & Response	Outbreak days	Number days inpatient outbreak	Monthly	0	5	1
Logistics: Physical Infrastructure	Monitoring water quality	Water tests reviewed for quality issues	Quarterly	90%	95%	1
Education	Trainings for construction contractors	# of trained contractors	Quarterly	100	85	1
Surveillance	Productivity hours for infection reporting	Hours from infection review to submission	Weekly	0.5	2	•

Capitalize on Opportunities



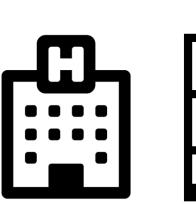
- Leverage successes of the pandemic/outbreaks
- Embed staffing expectations into new builds

- Use FTEs from retirements to grow at cost neutral
 - Replace with "Plus 1"
 - 2 novice IPs
 - IP + Data Analyst

Literature on Staffing Resources

- Previously sparse & largely outdated
 - 1.0 IP per 100 acute care beds
- No physician support
- No recommendations for non-acute care

Only accounted for beds; not needs





Is Accounting for Acute Care Beds Enough?

Variable	Acute care bed equivalent	CHOP counts	
Acute care bed	1	334	
Intensive care bed	2	199	
Long-term care bed	1/2	0	
Dialysis facility	50	1	
Ambulatory surgery center	50	4	
Ambulatory clinic	10		
Private physician office	5	31	

Quantifying Needs

- Assessed IPC-related tasks with key stakeholders
- Estimated current time spent and ideal state
- IPs spent >50% time conducting surveillance; less than 1hr/wk on professional development
- New benchmark: 1.0 IP FTE per 69 beds

APIC staffing calculator







Medical Director Support

Variable	Hospital has ≥300 beds and/or ≥50 ICU beds	Hospital has <300 beds and/or <50 ICU beds	
Academic-based institutions	≥1.5 FTE of full professor salary (based on AAMC salary compensation) towards infection control	≥1 FTE of full professor salary towards infection control	
Community-based hospitals	≥1.0 FTE salary of regional market value towards infection control ^a	≥0.5 FTE salary towards infection control	

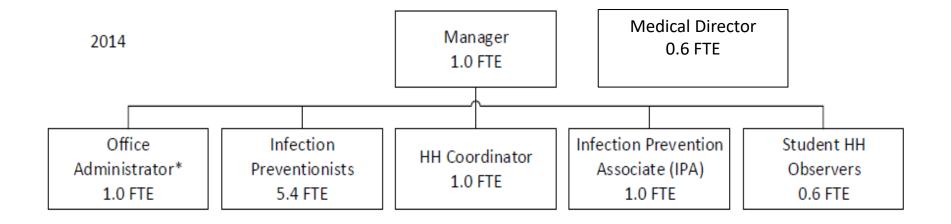
[&]quot;This reimbursement should allow protected time for the hospital epidemiologist to perform these activities.



If at first you don't succeed...

- Initial Request
 - "I need more IPs to better support operational needs in areas that are being neglected (e.g. ambulatory, high level disinfection)"
- Feedback from C-suite
 - "You guys are doing a great job. No one is going to believe me that you aren't doing your job."

Our Journey: Then



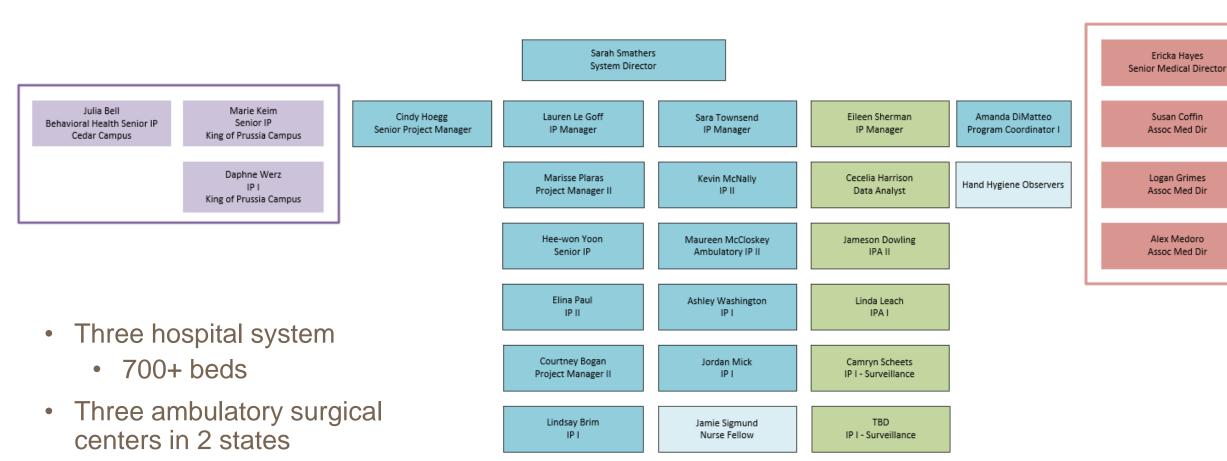
- One hospital with 365 beds
- Two ambulatory surgical centers in 2 states
- 30 specialty and primary care sites
 - ~ 1M outpatient visits/year

Our Journey: Now

60+ specialty and primary care

1.6M outpatient visits/year

sites



TBD IP I

Objectives



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Value and Business Case





Grow and Retain Talent

Recruiting Talent





Nurse Fellow Program

12 month fellowship

Practicing RN with at least 3 years experience

Manager support for 8 hours per week

Provided with IPC training while supporting and leading project-based work to embed reliable prevention practices related to departmental priorities for infection prevention strategies

Student Interns

Drexel online Master of Science in Infection Prevention

Allows IPC departments to "trial" students for potential future roles

Supports IP department work at low cost

Mentors future gen of IPs

Professional Growth

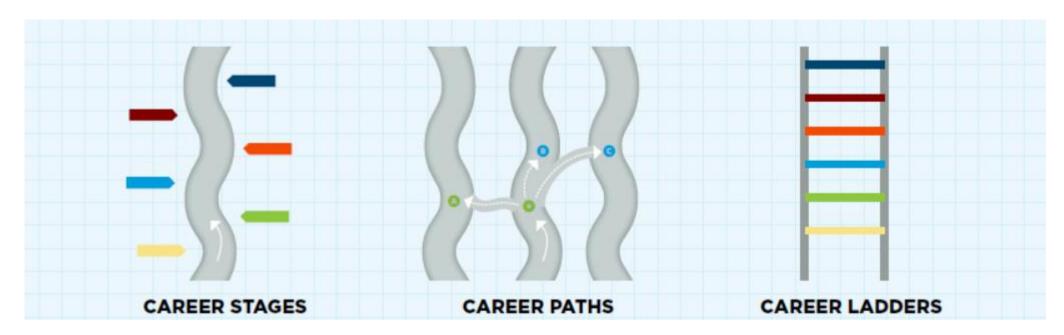
 Focus on individual professional development

Provide role diversity



Professional Development

Infection Preventionist Career Development and Advancement Guide



Role Diversity



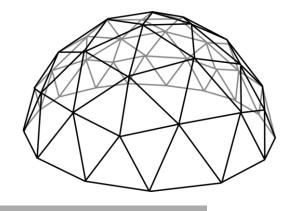
Preventing and controlling infectious diseases/HAIs



Interpretation of surveillance data



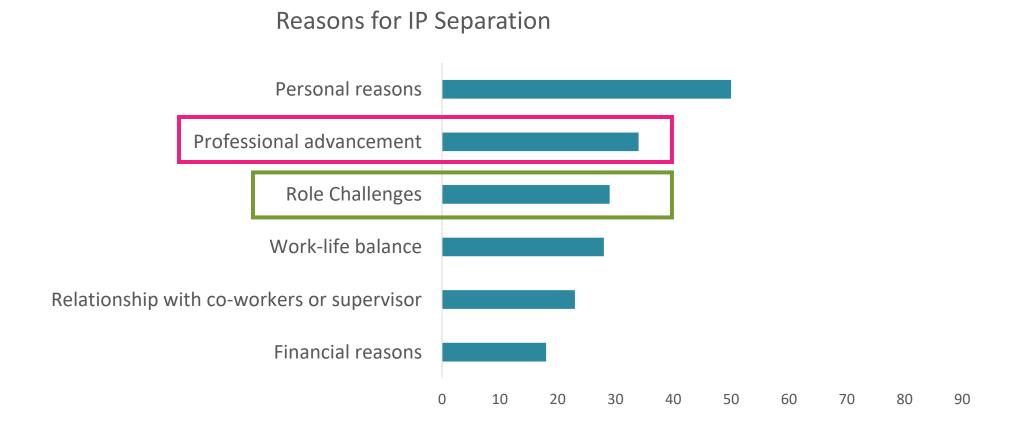
Management and communication: feedback



Putting it Together

Infection Preventionist (IP)	Infection Prevention Associates (IPA) and Data Analysts	Project Managers	IP Leadership	Medical Directors	Antimicrobial Stewardship
IP I	IPA I	Project Manager I	Supervisor	Asst Medical Director	Pharmacist I
IP II	IPA II	Project Manager II	Manager	Assoc Medical Director	Pharmacist II
Senior IP	IP Data Analyst (I, II, Senior)	Senior Project Manager	Senior Manager	Medical Director	Senior/Lead Pharmacist
	Supervisor		Director	Sr. Medical Director	Manager
	Manger		System Director	Chief	Director

Strategies to Retain and Grow IPs



Causes of Burnout

- Burnout ≠ broken people
- Burnout = broken systems
- Addressing burnout is an "All Hands-on Deck" effort



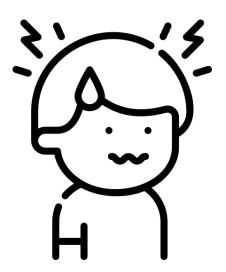
Addressing Burnout Improves Performance

- Employee health
- Employee engagement
- Absenteeism
- Turnover
- Decision making
- Patient satisfaction & safety



System Level Drivers of Burnout

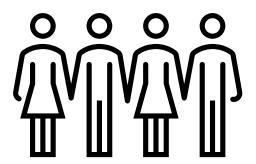
- Excessive workload & work schedules
- Inadequate staffing
- Administrative burdens
- Workflow/interruptions/distractions
- Inadequate technology usability
- Time pressures



Team Level Practices to Address Burnout

- Control over work
- Flexibility over when & where to work
- Support personal needs
- Foster a sense of belonging and personal connections
- Adequate staffing and reasonable workloads

Ask "What matters to you?"



Signs to look for that impact wellbeing and contribute to burn out

- Staff report feeling "overwhelmed"
- Lack of engagement
- Unclear about priorities; unable to decide where to start
- Trouble disconnecting from work

Joy is the Key to Retention

Institute for Healthcare Improvement









Focusing on Joy Improves Performance

- Organizations that focus on joy in work report:
 - Improved patient experience
 - Improved patient outcomes
 - Improved patient safety
 - Lower costs of care
 - Improved employee well-being

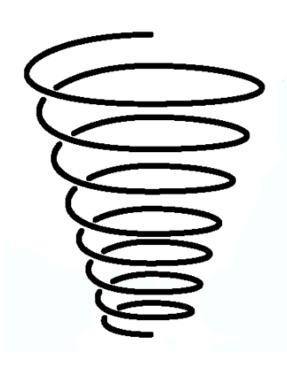


Removing Barriers to Joy in Work



- Identify and remove the daily pain points that sap energy and enjoyment
- Example: Daily distractions from interruptions

Gratitude at Work



 The readiness to show appreciation for kindness and to return kindness

 Appreciating and expressing gratitude at work is a simple way to support joy in work

• Hundreds of studies have documented the social, physical and psychological benefits of gratitude

Connections at Work

- Positive connections increases joy in work:
 - Energizing
 - Increase a team's ability to cope with stress
 - Source of well-being



Savor our Successes

- Team building activity that connects team members and nourishes joy
 - Positive psychology and science of savoring
 - Deliberate mindful awareness through the lens of **gratitude**, **basking**, luxuriating, and marveling



- End of the day debrief or weekly staff meeting, ask team members to share:
 - What were your high points or a win that happened at work this week?
- Thank people for sharing and encourage them to savor their successes



Summary



Showcase your value and accomplishments



Leverage successes and improve visibility to show value & support business case



Include career paths and role diversity that promotes and elevates our profession



Practice joy and gratitude

Questions?

