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# Kaiser Permanente Northern California Physician Redeployment During COVID-19

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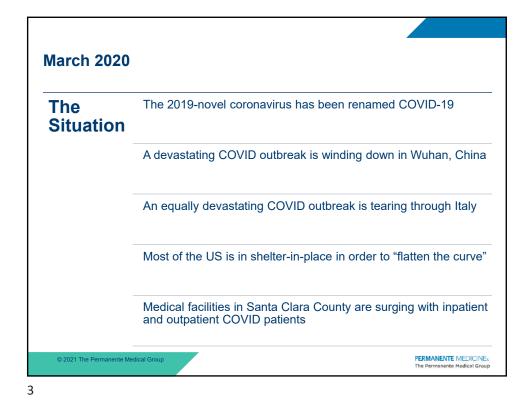
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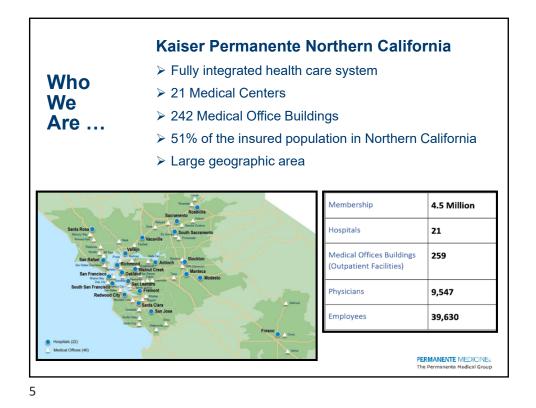
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Kaiser Permanente.





| What We<br>Were<br>Worried<br>About | COVID-19 has the potential to overwhelm our health care system                          |
|-------------------------------------|-----------------------------------------------------------------------------------------|
|                                     |                                                                                         |
|                                     | Disparities exist within patient populations and within geographical regions            |
|                                     | Differential impact of the pandemic on different specialties                            |
|                                     | In addition to managing a surge, our physicians are learning how to manage this disease |



## Who We Are ... (cont.)

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## Kaiser Permanente Northern California Emergency Management

Extensive Regional and Medical Center-based Emergency Management Program:

- All hazards including mass casualty surge management, hospital evacuation, emerging infectious disease response, air quality, active shooter, others
- Regional Disaster Physician Redeployment program for wildfire/evacuation response

#### Kaiser Permanente Northern California Population Management

Extensive Regional and Medical Center-based Population Care Program:

- Mature regional and med center quality infrastructures including registry development, analytics, risk-stratification, pop care tools and technologies, quality support physicians and staff
- Member engagement opportunities including 24/7 call center, and asynchronous care via robust on-line resources

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# The Question:

How do you design a physician redeployment system to address physician staffing needs during a COVID surge that supports patient-centered care in the safest and most efficient way, while simultaneously supporting physician wellness?

## The Answers:

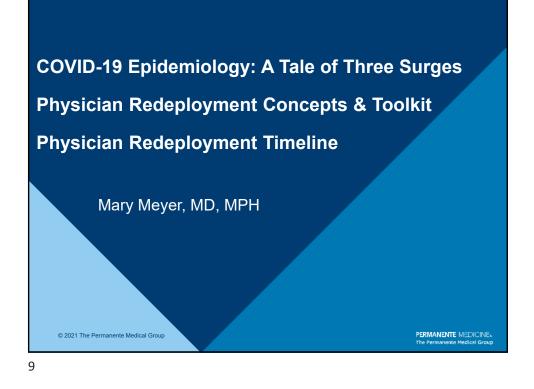
The Kaiser Permanente Northern California Physician Redeployment Program & Toolkit

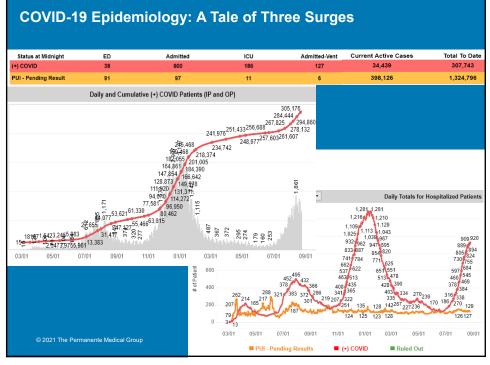
The KP NCAL COVID Home Care Team

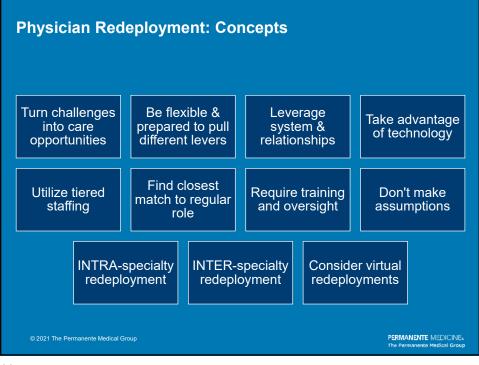
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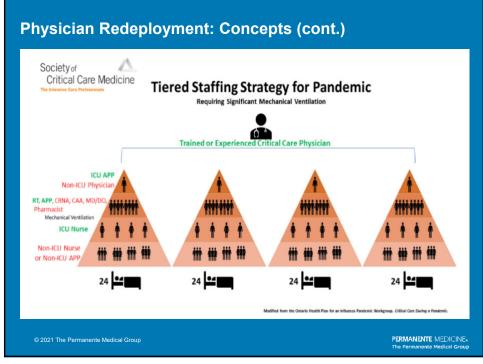
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| Agenda                                        |                                                     |
|-----------------------------------------------|-----------------------------------------------------|
| COVID-19 Epidemiology: A Tale of Three Surges |                                                     |
| Physician Redeployment Concepts & Toolkit     |                                                     |
| Physician Redeployment Timeline               |                                                     |
| Training for Physician Redeployment           |                                                     |
| KP NCAL COVID Home Care Team                  |                                                     |
| Lessons Learned                               |                                                     |
| Questions                                     |                                                     |
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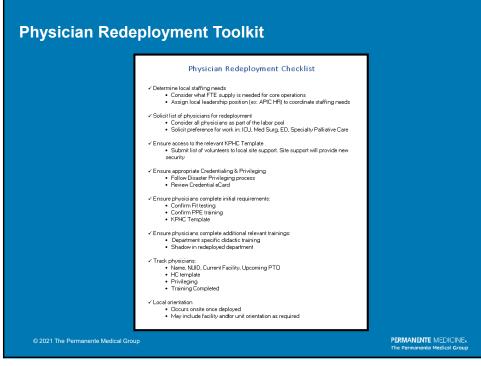


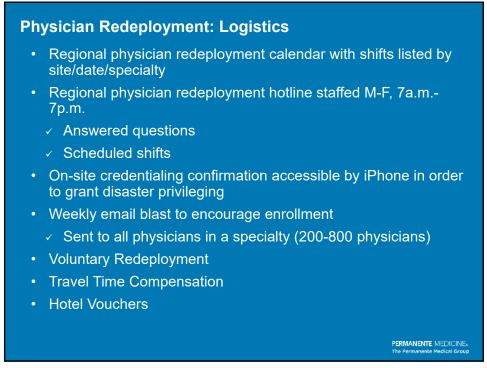


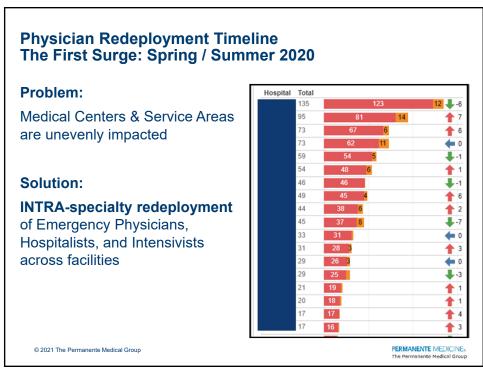


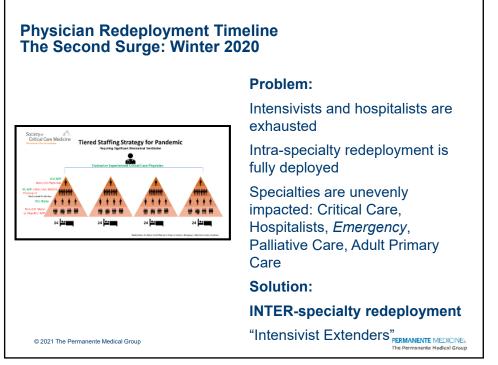


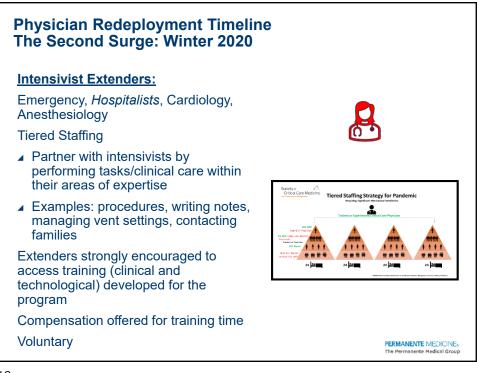


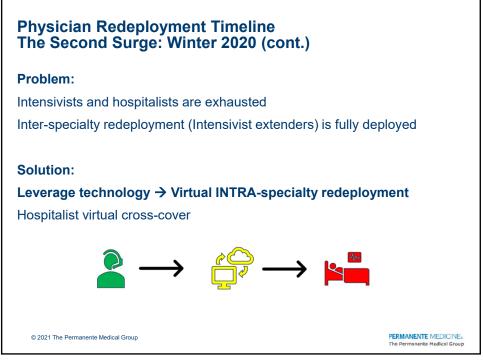


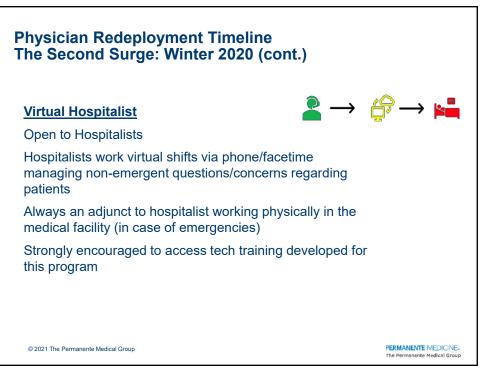


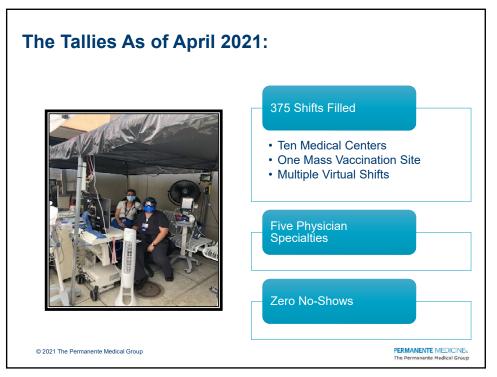


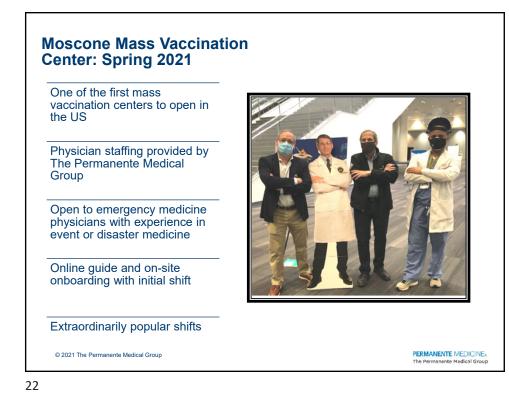


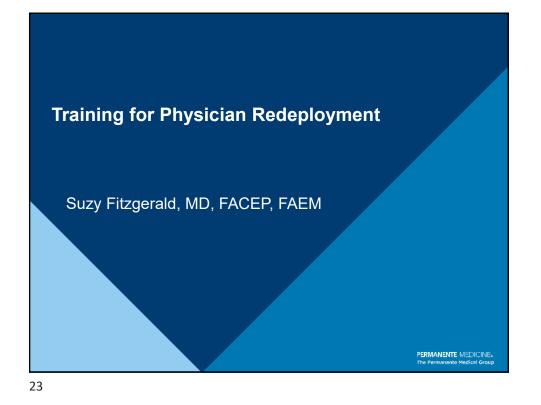


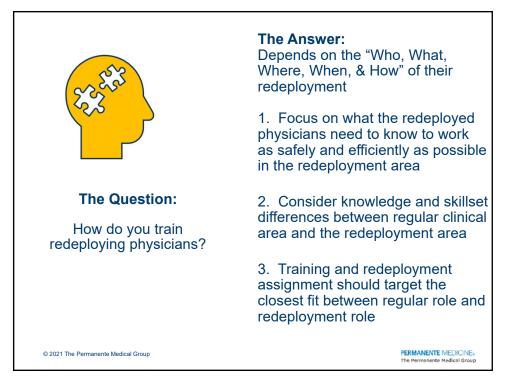


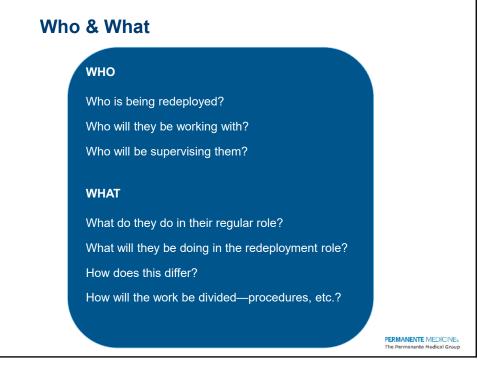


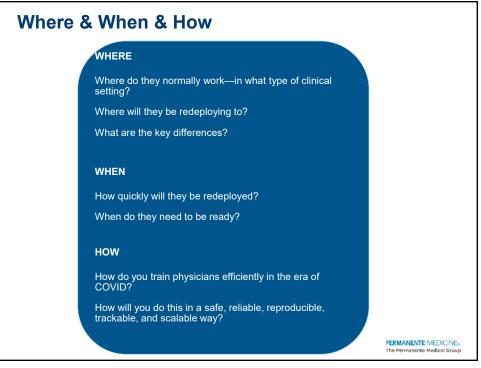






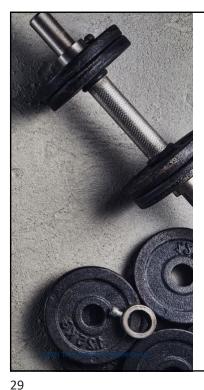








| Training Content Categories |                                                                                                                             |  |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------|--|
| The Logistics               | Administrative Processes & Workflows                                                                                        |  |
|                             | Electronic Medical Record Procedures                                                                                        |  |
|                             | Employment Logistics / HR Considerations                                                                                    |  |
|                             | Area-Specific PPE Requirements (PAPR/CAPR Training & N95 Fit Testing                                                        |  |
| The Medicine                | Clinical Guidelines, Workflows, & Algorithms                                                                                |  |
|                             | Redeployment Area-Specific Training<br>Ex: ICU for the Non-ICU Physician<br>Inpatient Medicine for the Outpatient Physician |  |



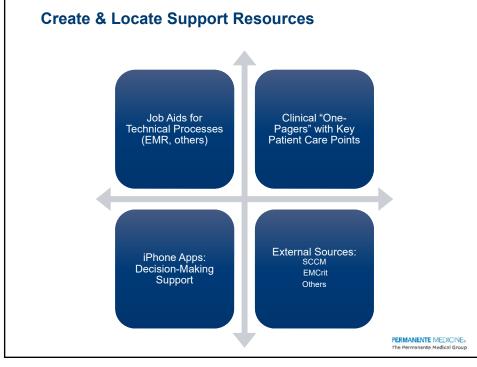
# Determine Training Modalities & Develop Modules

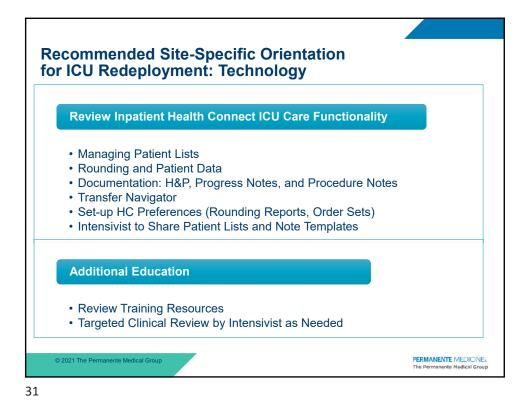
How do you deliver the most efficient, effective, reproducible, trackable, and safe training to an audience spread out over a large geographic area in a timely manner?

Real-Time Virtual Sessions Video / On-Demand Modules On-Site Orientation Shadow Shifts In Situ Simulation for "Mission-Critical" Topics • COVID Intubation

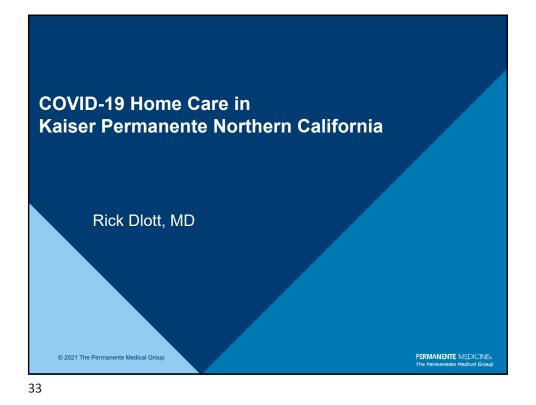
COVID Code Blue Scenarios

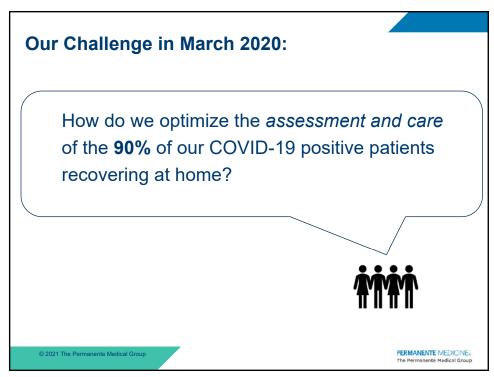
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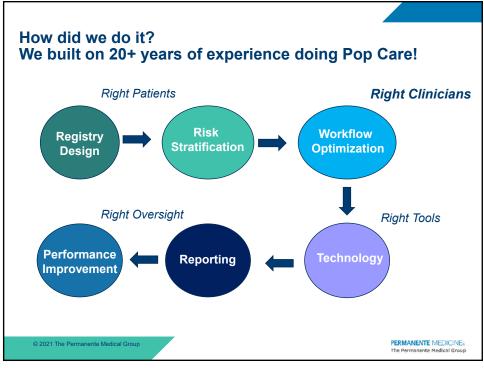


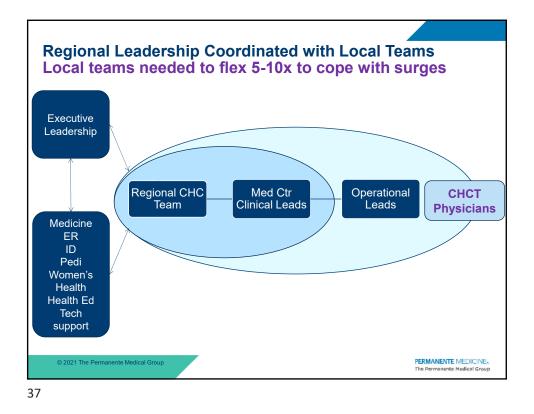


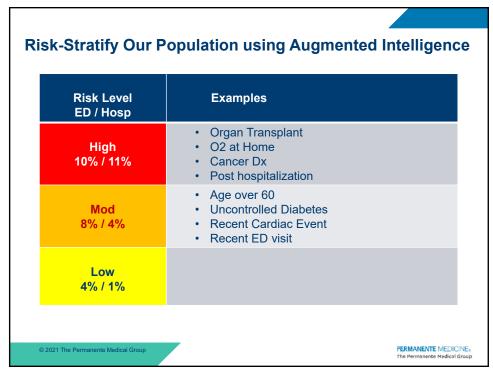


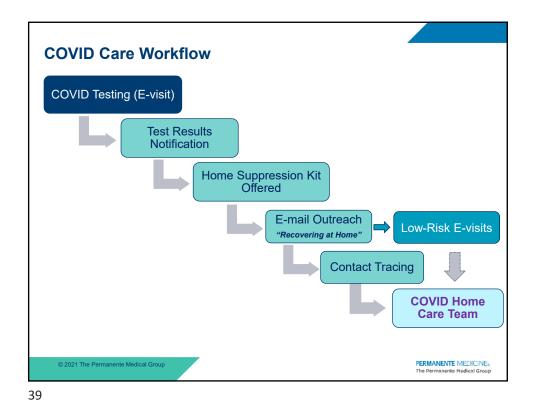


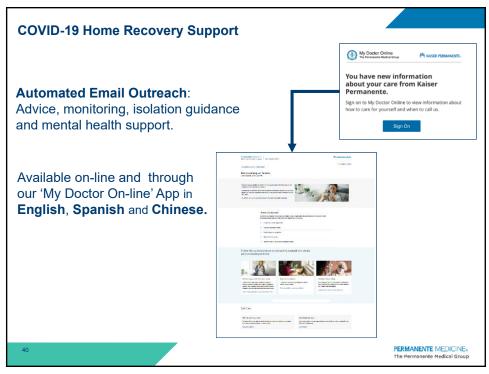


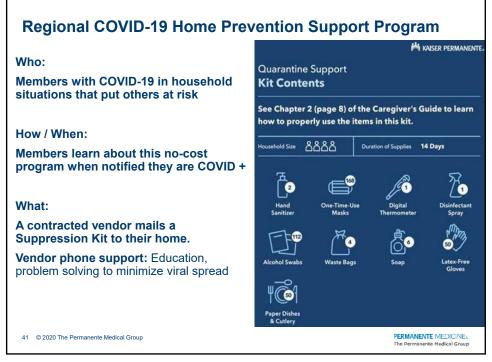


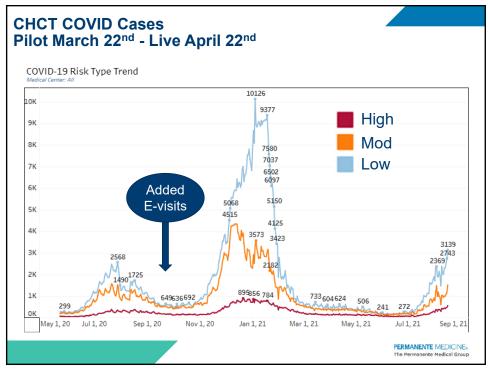


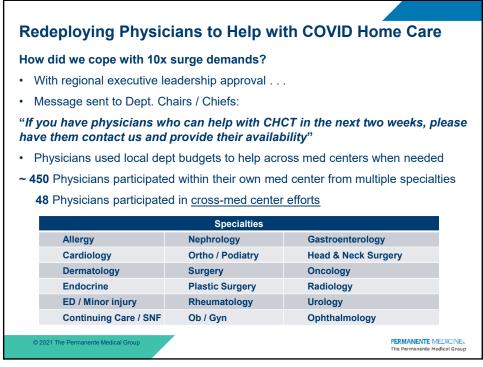


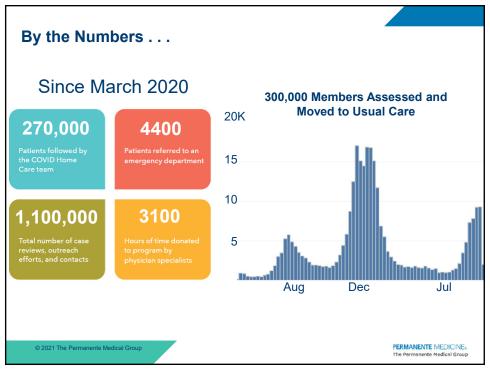












| lere's What We Learned:               |                                                                                                                                                                                     |  |
|---------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Redeployment Can<br>Be Stressful      | <ul> <li>Stress / Exhaustion / Fear / Uncertainty</li> <li>Unfamiliar facility &amp; unfamiliar specialty</li> </ul>                                                                |  |
| The Struggle is<br>Real               | <ul><li> By late winter, all facilities were impacted.</li><li> We struggled to fill shifts</li></ul>                                                                               |  |
| Innovation &<br>Flexibility Essential | <ul><li>Be nimble</li><li>Don't make assumptions</li></ul>                                                                                                                          |  |
| Silos Exist                           | <ul> <li>Physicians often unaware of other physicians' working conditions &amp; medical center impacts</li> <li>Large variability in willingness to redeploy as a result</li> </ul> |  |
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| Here's What We Learned: (cont.)       |                                                                                                                                                                                                                                   |  |
|---------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Tiered<br>Staffing Has<br>Limitations | <ul> <li>Limits to the work a physician can perform in another specialty</li> <li>Tiered staffing is psychologically and physically difficult</li> <li>Physician care is affected by care team staffing (nursing, RTs)</li> </ul> |  |
| Logistics                             | <ul> <li>Regional calendar/hotline had few miscommunications</li> <li>Physicians were committed to their shifts: zero no-shows</li> </ul>                                                                                         |  |
| lf You Build<br>It, They Will<br>Come | <ul> <li>Compassion and courage</li> <li>Weekends and night shifts</li> </ul>                                                                                                                                                     |  |
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