



Looking Beyond Acuity

How Intelligent Automation can
Improve Daily Staffing Practices

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January February March April May June July August September October November December



Presenters



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Today's Webinar




For years, nursing leaders have looked to acuity-based staffing as the solution to their staffing issues. While acuity can be a determinant in how staff is distributed, there are many other variables that need to be considered when developing an effective staffing plan each day. Variables such as critical ratio variances, unit workload, planned discharges, predicted census, staff availability, and constraints all play major roles in staffing decisions. As patient care needs are fluid and vary among hospitals, nursing units, and shifts, an enterprise-focused staffing approach is essential to increase access to available resources and effectively meet patients' ever-changing needs. This is where intelligent automation can help.

In today's webinar, you will learn:

- » The benefits and limitations associated with acuity-based staffing
- » How a more holistic, enterprise-focused approach to daily staffing can transform your daily staffing practices
- » How hospitals across the country are improving patient care and staff satisfaction by better managing their most valuable resources

Benefits of Acuity-Based Staffing



-  Quantitative
-  Balanced Care
-  Competency Based
-  Patient Need Based
-  Improved Outcomes

Acuity-Based Staffing Starts the Process



- ⊖ Staffing is still tedious
- ⊖ Represents one data point
- ⊖ Not future focused
- ⊖ Creates HPPD challenges
- ⊖ Lacks holistic view

With the constant evolution of the healthcare industry, it's more important than ever to take a holistic approach in order to transform daily staffing practices in a meaningful and maintainable way.

Hospital IQ provides an immediate impact by synthesizing data across existing workforce management systems to improve daily resource management across health-systems to streamline:

STAFFING NEEDS



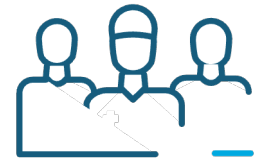
Charge Nurse

STAFF ALLOCATION



Staffing Office

RESOURCE DEPLOYMENT



Staffing Office

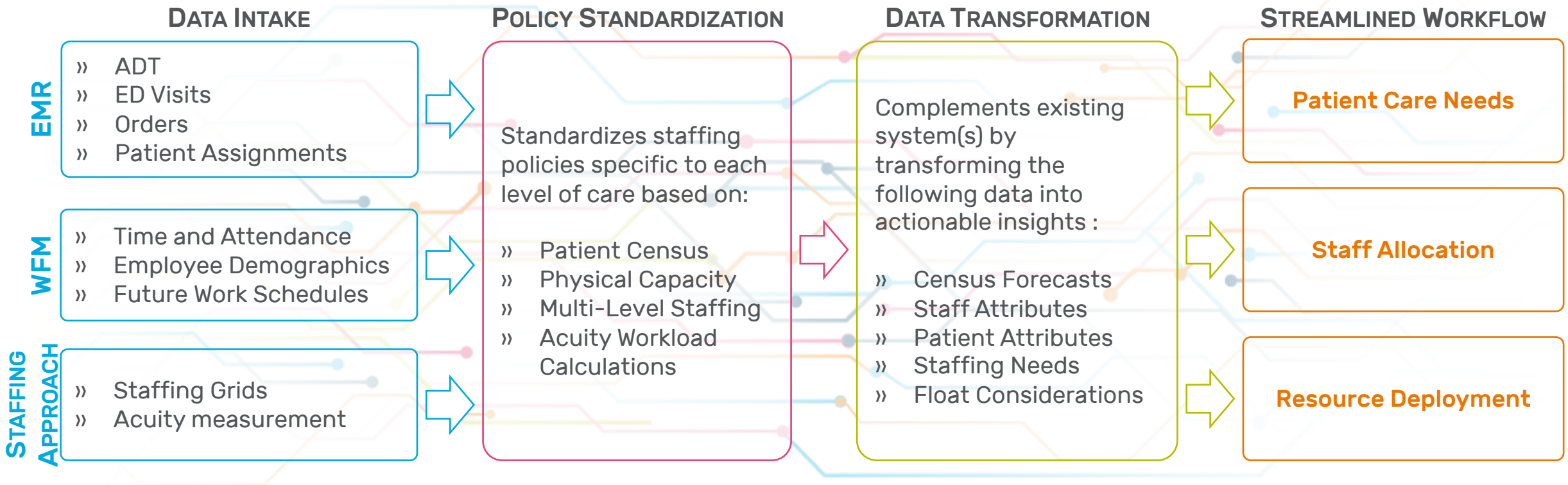
The Staff Planning Continuum

How we work with your Workforce Management System



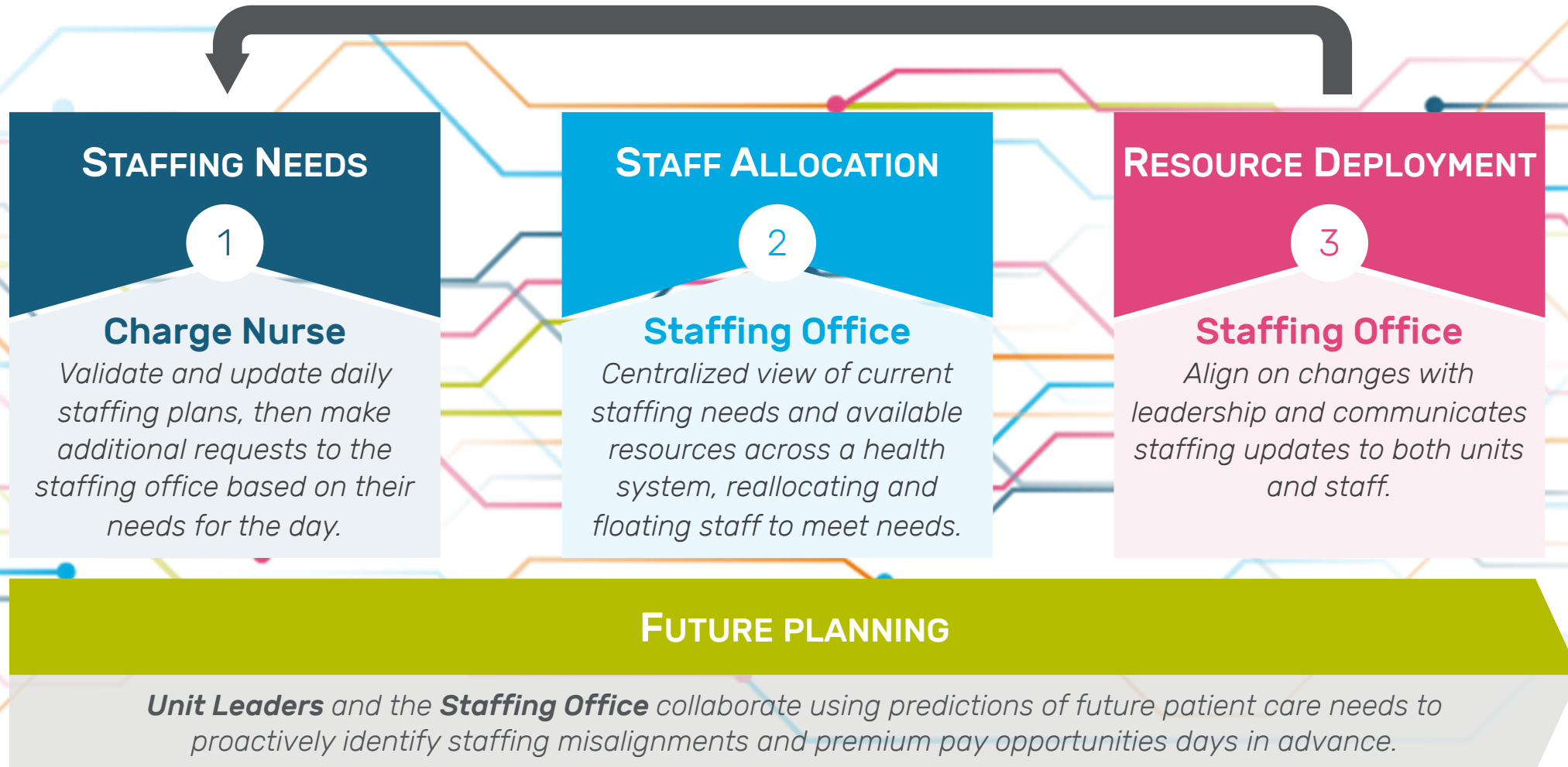
Hospital IQ complements your workforce management system to streamline the daily staffing process, giving your nursing leaders more time to focus on patient care

How We Turn Data into Action



Simplified Staffing Lifecycle

Streamlined daily collaboration between the Charge Nurses and the Staffing Office



Why an Enterprise-Focused Approach is More Impactful

1

PATIENT CARE NEEDS

2

STAFF ALLOCATION

3

RESOURCE DEPLOYMENT

OVERVIEW:

Charge nurses have the insights and tools to expedite daily schedule validation allowing them more time to focus on *patient care needs*. These include:

- » Daily variances
- » Surge indicator
- » Shift modifications
- » Notes and @mentions
- » Schedule submission

Shift editor

9/17/21

Bed assignment

Grid view

Filters

Cost center: 5 East

enter status: Any

Edit shift

Definition History

Staff: Stanislav M Lukeš

Start date: 9/17/21

Transition: 0 minutes

Can float

Segments:

Time	Length	Cost center	Role
0800 to 11:00	4 hr	5E	RN
Split shift			
Add segment 4 hr total (including transition)			

Cost center

5E

VARIANCE

RN

RN

Z

0

5E

Edited by Bryan Dickerson 4 days ago

Add a quick note...

Enter a note...

PREVIOUSLY READ

MK

Michael Krogmann 9/20/21 11:16

We have an ECMO patient in room 559 so we will be assigning

BD

Bryan Dickerson 9/17/21 12:07

We have a ECMO patient in from 559 so we will be assigning a

BD

Bryan Dickerson 9/17/21 11:56

Good morning, all float shifts have been allocated as of 6AM

2 1



Michael Krogmann 9/20/21 11:16

We have an ECMO patient in room 559 so we will be assigning an RN 1-to-1 for this shift. Can we get an extra nurse? @Bryan Dickerson FYI

Load: Optional patients Beds: Optional bed assignments

Notes: Add a quick note...
Optional description

Lock this shift, hiding edits from non-approvers



Cancel

Save changes

Start time End time Duration Role Assignee Last float Pay type Notes Actions

9/17/21 07:00 9/17/21 11:00 4 hr RN Aran K Gordon... 2 days ago - Edit... Cancel...

Why an Enterprise-Focused Approach is More Impactful

1 PATIENT CARE NEEDS

2 STAFF ALLOCATION

3 RESOURCE DEPLOYMENT

OVERVIEW:

The staffing office and house supervisor are equipped with the daily situational awareness and capabilities to *strategically allocate staff* based on each unit's individual needs resulting in improved patient outcomes. This includes:

- » Unit-specific considerations (Census, acuity, orders)
- » Available float resources
- » Auto-float
- » Role reallocation

Why an Enterprise-Focused Approach is More Impactful

① PATIENT CARE NEEDS

② STAFF ALLOCATION

③ RESOURCE DEPLOYMENT

OVERVIEW:

System-wide transparency allows for improved collaboration and proactive resource sharing between charge nurses and the staffing office, resulting in quick alignment and resolution to staffing issues. This is made possible by:

- » Daily/weekly variances
- » Built-in communication & alert capabilities

Future Planning

7-Day Schedule Management



UNIT LEADER

*Create/Execute
Unit-level Plans*

Identifies staffing variances across the hospital for the next 7 days as well as required and available resources by using:

- » Census forecast
- » Last float indicator
- » Qualifications
- » Limitations



UNIT LEADER STAFFING OFFICE

*Create System-wide
plans*

Uses weekly huddle to discuss recommendations, adjustments, and mitigation options. Adjust staff as needed by utilizing:

- » Staff transfer
- » Float pool
- » Split shifts
- » Overtime/premium pay



STAFFING OFFICE

*Activate and
Communicate Plans*

Aligns changes with house supervisor prior to deploying staff and communicating changes, factoring in mitigation strategies such as:

- » Premium pay
- » Surge level
- » Reallocating staff

Workforce plan

• "Scheduled shifts" data last updated 32 minutes ago

Show changes only

Auto-float...

5E +

TRACKING CHANGES ▼

- Anna S Jacobsen RN (-1)
07:00–18:59 (12.5 hr)
- Aran K Gordon RN (-4)
07:00–11:00 (4 hr)
- Arnór Á Sturluson RN (-145)
07:00–18:59 (12.5 hr)
Light duty
- Chigozie C Ikemefuna RN (-72)
07:00–14:59 (8.5 hr)
No COVID work Light duty
- Indira E Shervashidze
07:00–14:59 (8.5 hr)
No COVID work
- Onuoha K Onwughar
07:00–18:59 (12.5 hr)
- Stanislav M Lukeš RN (-6)
07:00–11:00 (4 hr)
Modified 2 days ago by Caitlin Wagner with cost center changed from 5E to 8E
Auto-floated Float
- Xiong H Yin RN (-6)
07:00–11:00 (4 hr)

5W +

NO CHANGES ▼

Barbora Z Hroníková RN (0)
07:00–18:59 (12.5 hr) PTO

Cost center	Notes	Current census	NOW						FRI, 9/17 07:00–11:00						FRI, 9/17 11:00–15:00						FRI, 9/17 15:00–19:00						
			OPTIMAL			TRACKED CHANGES	VARIANCE	OPTIMAL			TRACKED CHANGES	VARIANCE	OPTIMAL			TRACKED CHANGES	VARIANCE	OPTIMAL			TRACKED CHANGES	VARIANCE					
			Census	In	Out	RN	RN	RN	Census	In	Out	RN	RN	RN	Census	In	Out	RN	RN	RN	Census	In	Out	RN	RN	RN	
5E	⬆️2 ⓪3	35 of 30	35	0	0	5	7		+2	35	1	6	5	6		+1	30	3	3	5	6		+1				
5W																											
7W	⬆️2 ⓪0	33 of 38					36	0	0	6	8		+2	24	5	2	4	7		+3							
ED Adr																	3	10	10	1	0		-1				
8E	⬆️2 ⓪0	36 of 37					33	3	1	5	⓪1 8		+3														
7E																	22	0	0	4	6		+2				
7W	⬆️2 ⓪0	30 of 33					32	0	0	5	6		+1	34	4	3	5	7		+2							
8E	⬆️2 ⓪0	37 of 38					37	0	0	6	8		+2	35	6	5	5	⓪1 7		+2							
8E																	29	4	3	5	5		0				
8E							37	0	0	6	8		+2	34	1	2	5	6		+1							
8E							👤 14	0	0	8	9		+1	👤 16	2	2	9	8		-1	👤 15	1	2	8	8		0
8E							👤 16	0	0	7	⓪1 5		-2	👤 16	0	2	7	⓪1 8		+1	👤 16	2	1	8	⓪1 7		-1
Float Pool	⬆️2 ⓪0	–	–	–	–	–	2		+2	–	–	–	–	1		+1	–	–	–	–	2		+2				
ICU	⬆️2 ⓪0	16 of 40	👤 16	2	0	8	9		+1	👤 16	1	2	8	8		0	👤 16	3	4	8	8		0				
NORTH ICU	⬆️2 ⓪0	10 of 10	👤 8	0	0	4	3		-1	👤 8	0	1	4	3		-1	👤 7	1	0	4	3		-1				
Regional Float Pool	⬆️2 ⓪0	–	–	–	–	–	0		0	–	–	–	–	0		0	–	–	–	–	0		0				
Total		284	👤 277	9	7	63	76		+13	👤 279	19	44	64	77		+13	👤 256	40	35	62	72		+10				

Stanislav M Lukeš RN (-6)
07:00–11:00 (4 hr)
Modified 2 days ago by Caitlin Wagner with cost center changed from 5E to 8E
Auto-floated Float

Digital Transformation Achieved: Enterprise staffing

Providing safe and high-quality patient care by taking a more holistic approach to staffing

CURRENT STATE

UNIT-FOCUSED

Nursing leaders focus on solving issues for individual units.

FRAGMENTED

Minimal visibility and accountability exists on staffing decisions.

SILOED

Nursing leaders protect resources within their individual units.

REACTIVE

Nursing leaders are constantly making last minute adjustments.

FUTURE STATE

ENTERPRISE-FOCUSED

The right nurse is in the right place at the right time. *Every time.*

TRANSPARENT

Awareness and accountability exists across disparate nursing teams.

COLLABORATIVE

Nursing leaders resolve daily staffing issues and openly share resources.

PROACTIVE

Nursing leaders collaborate on future issues to ease the burden on daily operations.



Client Impact Examples

**Health
First**

29%

reduction in core floating outside of primary cost centers

**45
minute**

improvement in communicating the daily staffing plan

500+

calls eliminated monthly to deploy staff

MERCYONE

50%

reduction in the utilization of premium pay-based shifts

80+

hours given back weekly to the staffing office for proactive planning

10+

hours given back weekly to each nursing leader to focus on patient care

Conclusion

Key Variables & Outcomes of Enterprise-Focused Staffing



Enables strategic staffing decisions that account for the well-being of both patients and staff.



Improves patient outcomes by allocating staff based on individual patient needs.



Proactively resolves staffing issues through system-wide collaboration and transparency.

“When you dedicate time and focus to innovation, it is returned tenfold. Just the efficiencies and improvement of your workflow will be worth the time.”

-- Market Director of Nursing at the large health system in the Midwest



Q&A



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