



# THE RIPPLE EFFECT IN CLINICAL INFORMATICS

2018 Clinical Informatics Conference

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## IMPLEMENTATION OF BLUE TOOTH RTLS AT BAYLOR SCOTT & WHITE HEALTH





# CONFLICT OF INTEREST DISCLOSURE

Dr. Susan Moats, Nikki Best, and Jeff Richard

have no real or apparent conflicts of interest to disclose. The content of this presentation is used solely for the purpose of education.



# IMPLEMENTATION OF BLUE TOOTH RTLS AT BAYLOR SCOTT & WHITE HEALTH

## Presenters

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# IMPLEMENTATION OF BLUE TOOTH RTLS AT BAYLOR SCOTT & WHITE HEALTH

## Objectives

- Vision for Technology and Nursing
- Traditional RTLS compared to Blue Tooth RTLS
- Efficiency Gains with Blue Tooth Technology
- Blue Tooth to improve Patient Experience
- Connecting Current to Future State

# VISION FOR TECHNOLOGY AND NURSING

## Where are we now?

- Inefficient data capture
- Disparate systems
- Hybrid Electronic/Paper
- Difficulty Measuring Metrics
- Infringement on time w/patient
- Action OI



## Where we are going?

- Building Efficiencies
- Leveraging Technology
- Mobility
- Change Agents
- Patient Experience
- Connectedness to Care

# TRADITIONAL RTLS COMPARED TO BLUE TOOTH

## Traditional RTLS

- BSW consideration for RFP
- Significant Infrastructure Req.
  - New construction
  - Retro-fit/Remodel
- Often cost prohibitive
- Scalability challenges



## Blue Tooth RTLS

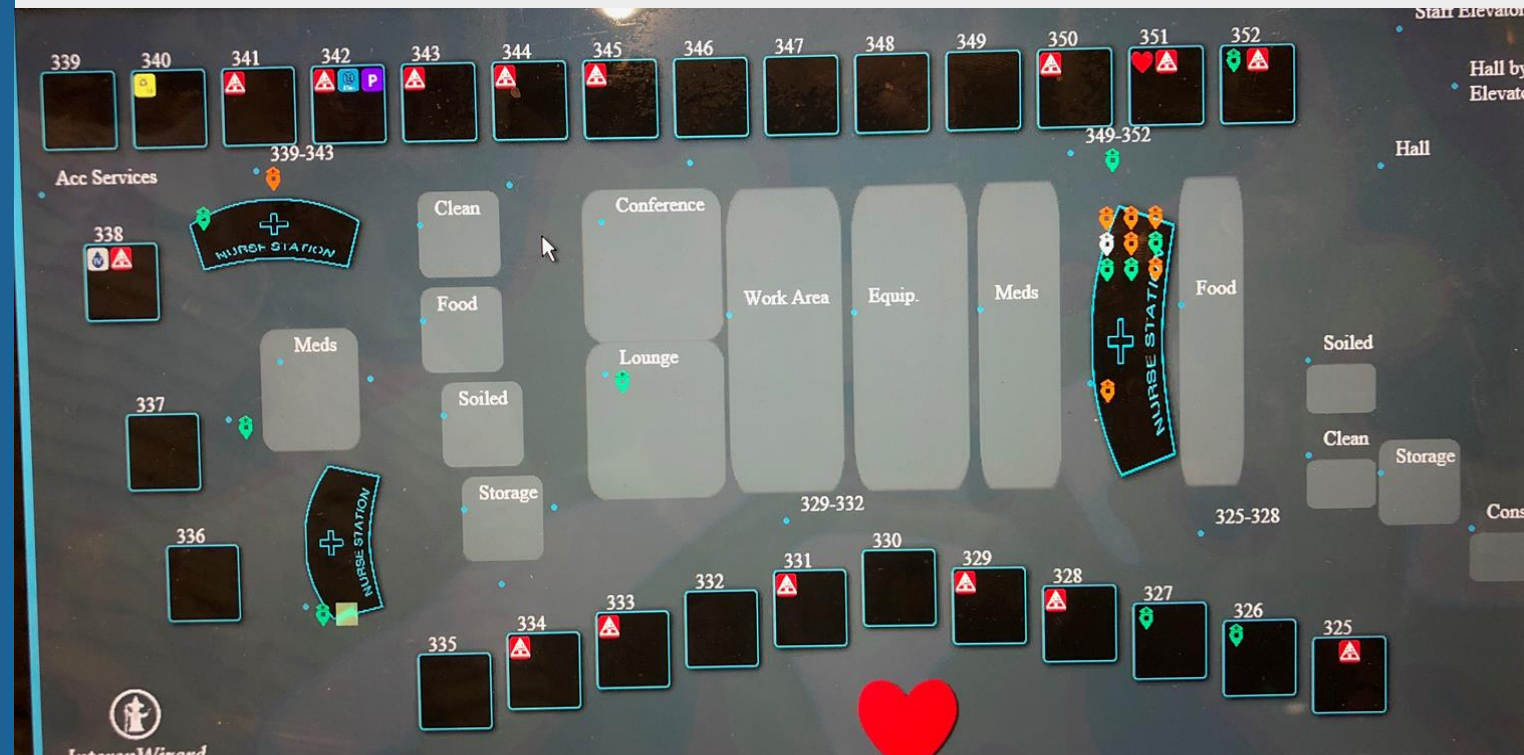
- BSW consideration for RFP
- Emerging technology
- Flexible Infrastructure
  - New construction/POE
  - Retro-fit/Hybrid
- 50-60% more cost effective
- Scalable for more facilities



# EFFICIENCY GAINS WITH BLUE TOOTH TECHNOLOGY

- ✓ Call cancel upon entry
- ✓ Visual status in corridor
- ✓ Location at a glance
- ✓ Analytical support
- ✓ Identify OFI

	Total Number of Calls	Average Staff Response Time	Staff Response Goal Not Met - # of Calls	Staff Response Goal Not Met - % of Calls	
3N	1996	00:03:04	462	23.15%	
3N					
Call Types	Total Number of Calls	Average Staff Response Time	Staff Response Goal Not Met - # of Calls	Staff Response Goal Not Met - % of Calls	SRT Goal
Bath Assist	7	00:01:08	1	14.29%	00:01:00
Bath Emergency	31	00:00:39	6	19.35%	00:01:00
Bed Exit	124	00:00:24	8	6.45%	00:01:00
Go to Toilet	263	00:02:28	63	23.95%	00:03:00
In Pain	72	00:03:58	21	29.17%	00:05:00
Patient	1433	00:03:26	348	24.28%	00:05:00
Water	66	00:02:45	15	22.73%	00:05:00



# BLUE TOOTH TO IMPROVE PATIENT EXPERIENCE

326

Mon Oct 01 2018 10:39:51 AM

**Recent Visits**

- 10:10 am
- 9:52 am
- 8:13 am
- 6:41 pm
- 6:37 pm
- 5:11 pm
- 5:01 pm

Care Visits Today: 0

**Plan of Care**

Goals for Today

- ♥
- ♥
- ♥
- ♥

Important things you can do for me

- ♥
- ♥
- ♥

Milestones to Discharge

- ♥
- ♥

Expected Discharge Date/Time

- ♥

**Therapy and Support**

- ♥ RT
- ♥ ST
- ♥ PT
- ♥ OT
- ♥ SW
- ♥ CC

**Pain Goal**

0 1 2 3 4 5 6 7 8 9 10

**BaylorScott&White**  
THE HEART HOSPITAL  
*Joint ownership with physicians*

CN: Princess

RN:

PCT: Sara

Dr.

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- Focused reference point
- Who is my care team?
- What are we doing today?
- Who visited last?
- How am I feeling?



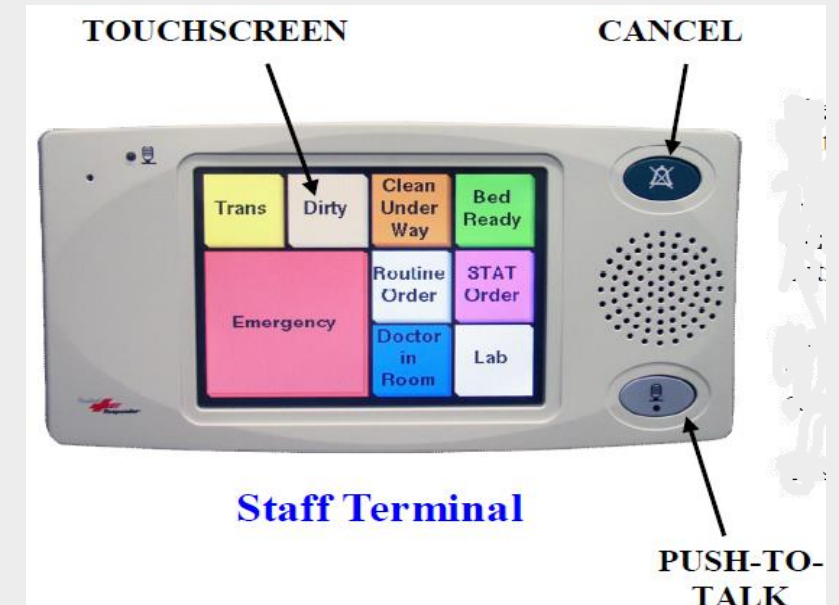
# CONNECTING CURRENT TO FUTURE STATE

## 2 Main DA

Priority Name	Activity Count	Average Response	Maximum Response	% Within Target	Target	% Within Target
Patient Normal	2504	00:11	03:33	100.0	05:00	100.0
Total	2504			100.0		100.0

## 3 Main DA

Priority Name	Activity Count	Average Response	Maximum Response	% Within Target	Target	% Within Target
Patient Normal	2467	00:11	04:03	100.0	05:00	100.0
Total	2467			100.0		100.0



- Point to Point call light system
- Notification of patient request/need
- Meaningless Data
- Disconnect from Patient



- Disney Land Experience
- Interoperability
- Mobility
- Find the Why.....or the Why Not?



# QUESTIONS

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