

Above all else, we  
are committed to the  
**care** and improvement  
of human life.

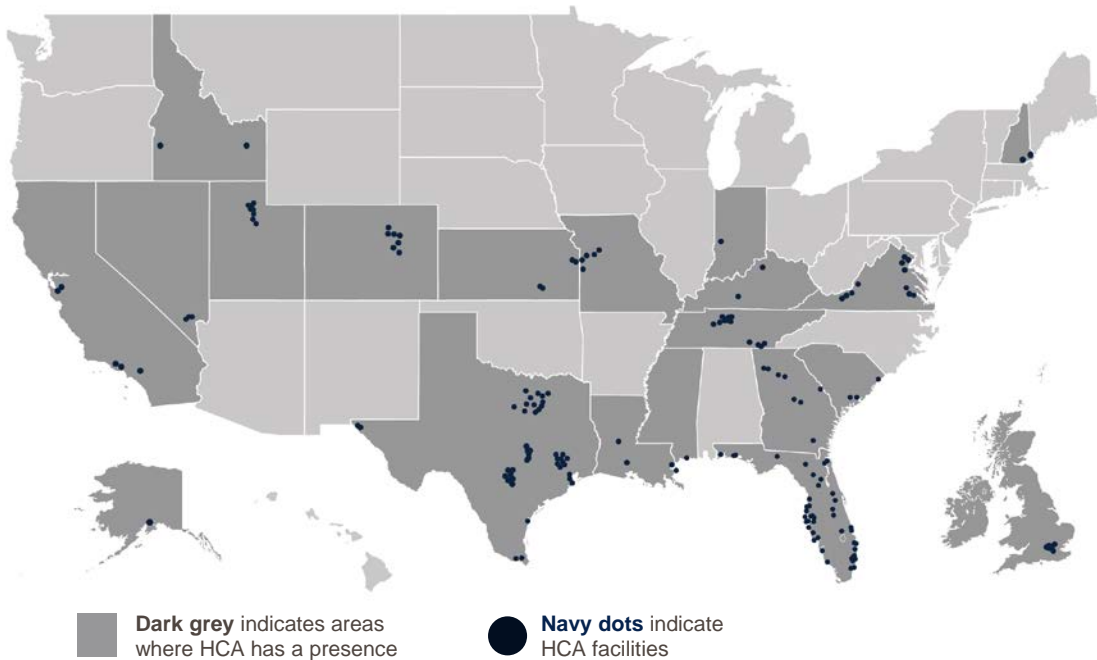
**Evidence-based Clinical Documentation**  
**HCA Healthcare**

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Senior Vice President & Chief Nurse Executive

HCA®

## 177 hospitals and 118 surgery centers located in 20 states and the United Kingdom



HCA is one of the nation's leading providers of healthcare services, comprised of locally managed facilities that include 177 hospitals and 119 freestanding surgery centers in 20 states and the United Kingdom

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# Evidence-Based Clinical Documentation (EBCD)

## Our Vision

### Create a patient centric record:

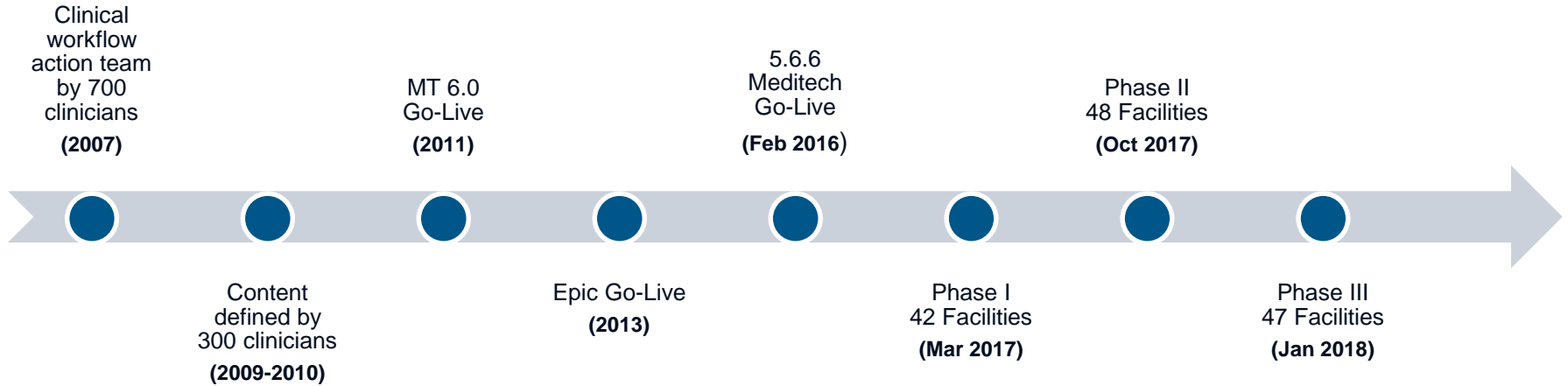
- To guide and inform the provision of safe, effective and efficient care
- To support interdisciplinary care
- To produce data to improve the care of individual and populations of patients

## Our Imperative

### The business case:

- Reduce RN time spent on documentation
- Respond to major RN dissatisfaction with documentation burden
- Return RN time to caregiving, improving patient outcomes and RN retention

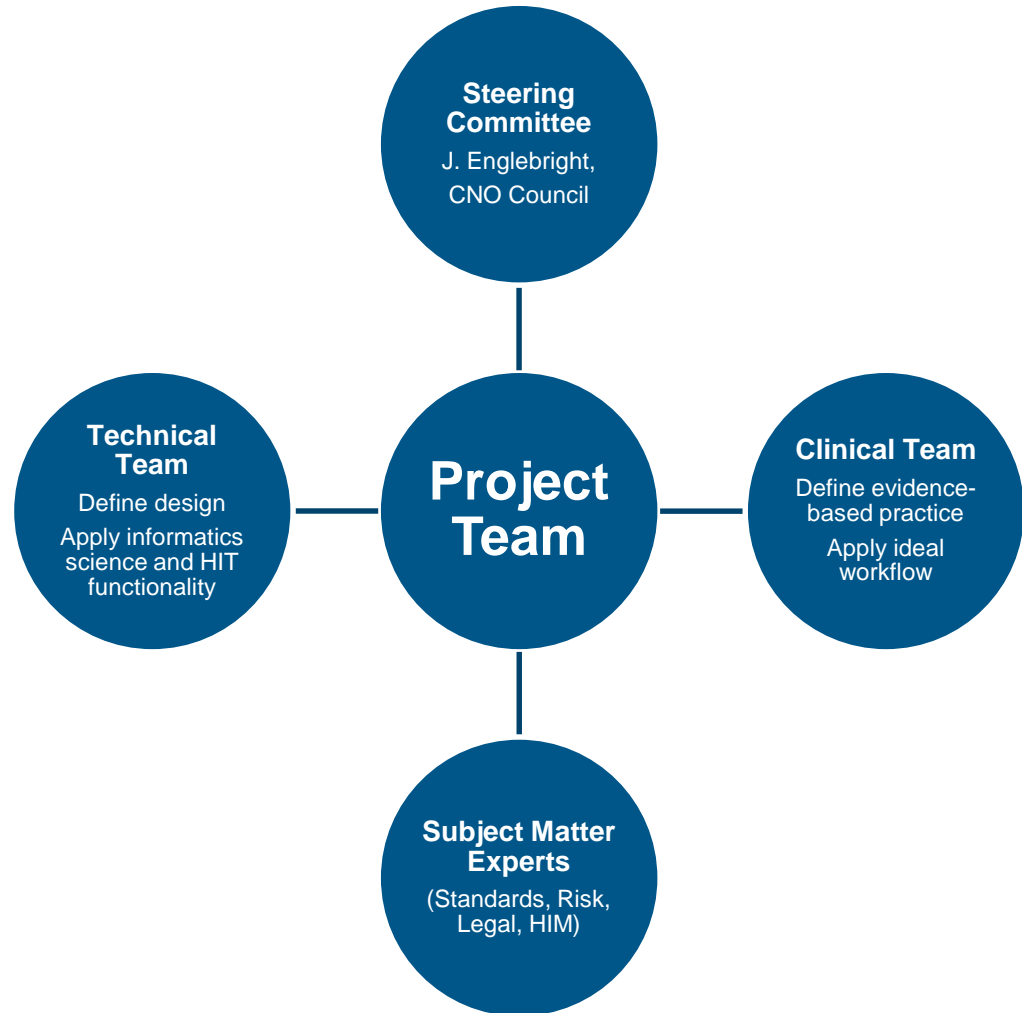
# The Timeline: 2007 to 2018



# Project Structure

## Roles & Responsibilities:

- Clearly defined
- No overlap
- Mutual respect



# Guiding Principles: EBCD Development Process



- Evidence-based vs. consensus-based decision-making
- Small design team, large review group
- Practicing clinicians define content
- Regulatory experts evaluate content for compliance
- Standard taxonomy to allow data re-use

# Guiding Principles: EBCD Design

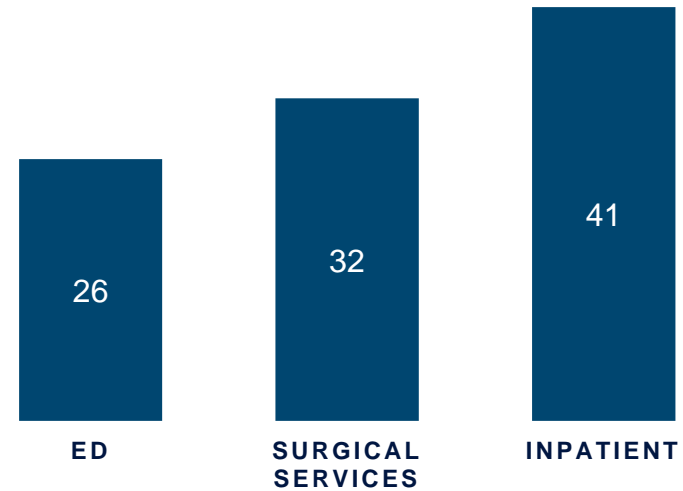
- Focus on the ethical, competent clinician
- Support ideal workflow
- Automate data entry whenever possible
- Share content between clinicians and care areas whenever possible
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- Incorporate decision-support
- Use software as designed
- Strict adherence to Style Guide

# Efficiency Benefits of EBCD

Change in documentation time measured on five routines

- Shift Assessment
- Fall Risk Assessment
- Hygiene Care
- Skin Risk Assessment
- Inventory of Belongings

MINUTES SAVED PER 12 HOUR SHIFT BY CARE AREA TYPE



Results from first 11 hospitals





## Nursing Feedback

“Thank you so much for making my shift much more productive”

“I feel a big weight off my shoulders stressing about data collections, mid day and end of shift notes.”

“I feel like a nurse again, treated like a professional. I am more able to chart real time, doing the little things that before I forgot or just didn't get to, and that makes me want to go the extra mile.”

“This has truly transformed the way we deliver care”

“I really like how the information flows from unit to unit”

“I am continuing to receive ALL overwhelmingly positive feedback. Even the novice nurses say that EBCD helps them have more time at the bedside and less time in front of a computer, to the point there are sometimes no nurses at the station because they are all in the patient rooms. This has truly transformed the way we deliver care and is the most direct way I have seen HCA support our mission, “Above all else...”

# Time-saving design decisions



Focused plan of care



Sharing content among care areas



Limiting documentation for others



Six consistent screen designs

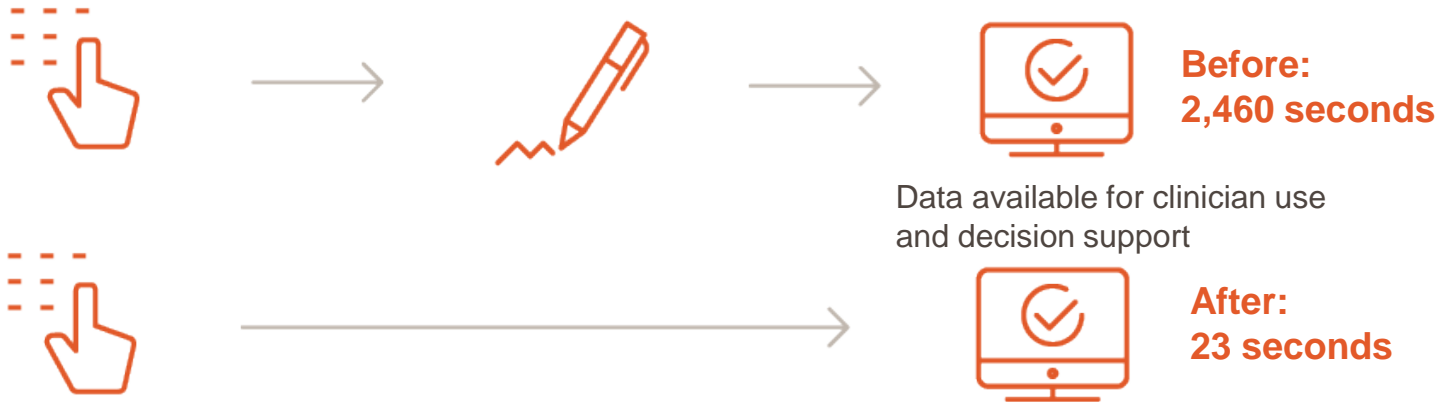


Removing non-value added content



Interoperability to eliminate manual data entry

# Vital Sign Interoperability



## Summary of benefits

- 30 minutes less time spent per vital sign rounds
- Consistent 23 seconds to delivery of results
- Data entry errors eliminated
- Real-time decision support enabled
- Over 90% average utilization/unit

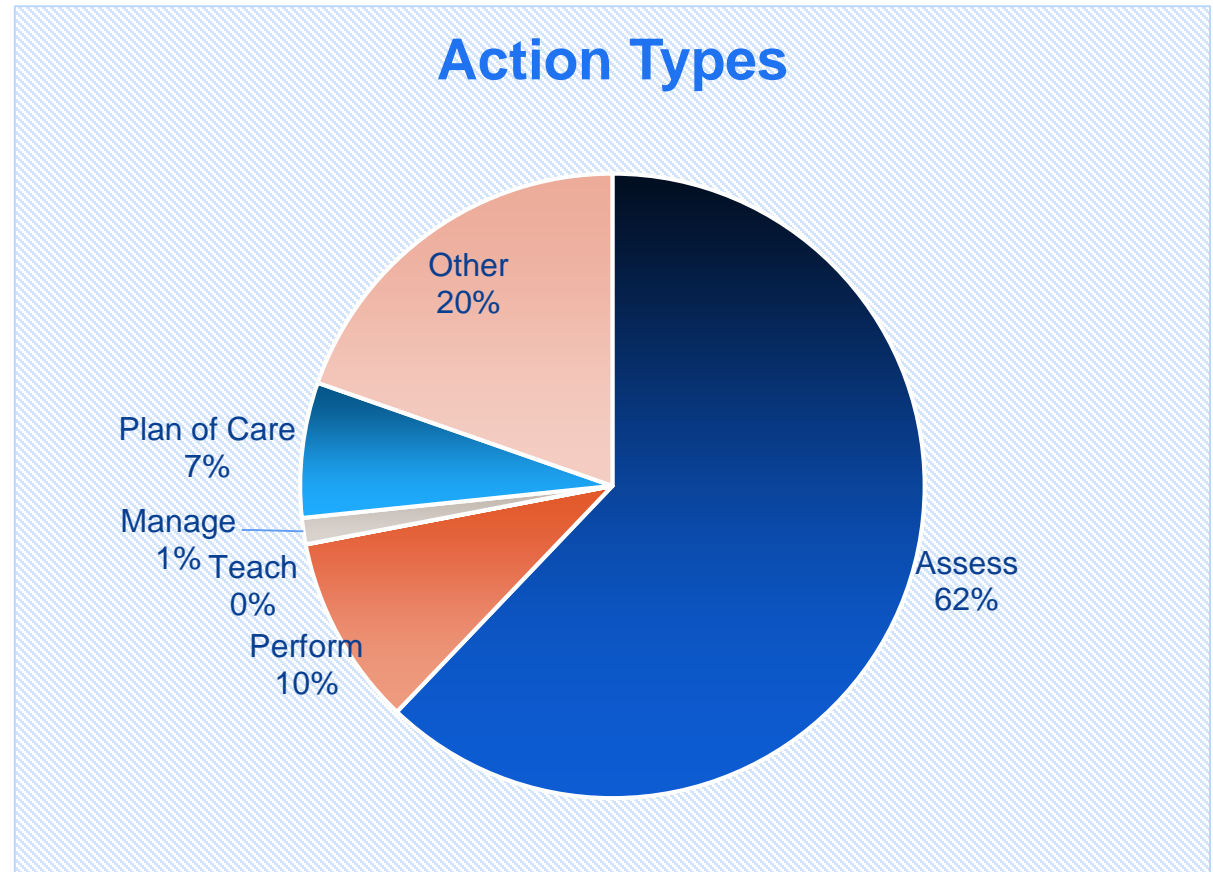
# Leveraging Standardized Data: Describing the cognitive work of nursing

**781 Million**

“Action Type” data points

Cognitive work of nursing clearly articulated

- Plan of Care
- Teach
- Manage
- Assess



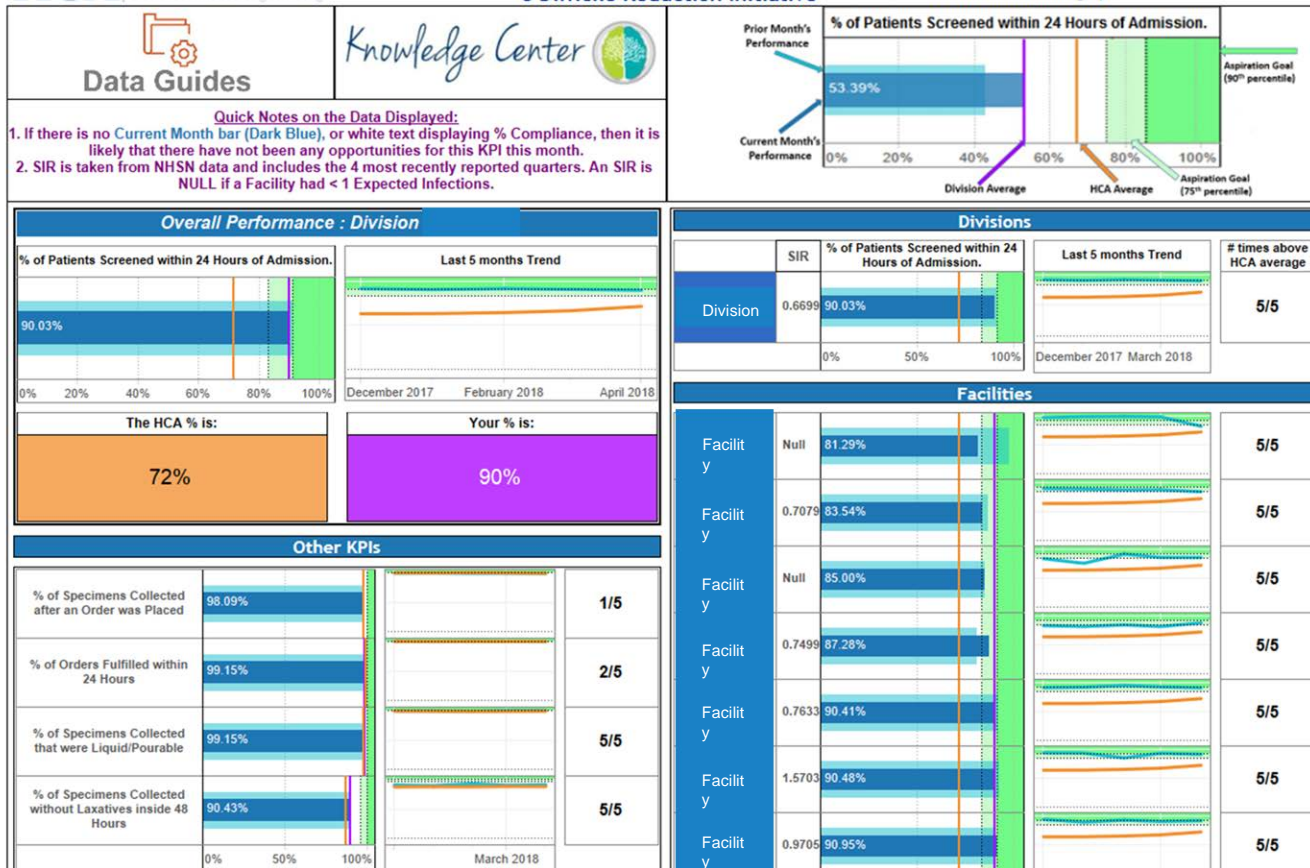
# Leveraging Standardized Data: Patient problems by Unit Type

Most frequent nursing diagnoses varies by type of unit.

Med/ Surg	Surgery	Pediatrics	ICU	OB/GYN
18% Physical Regulation	15% Injury	15% Respiration	20% Fluid	38% Physical Regulation
13% Neurological	13% Physical Regulation	15% Fluid	20% Respiration	9% Respiration
13% Respiration	11% Skin	13% Physical Regulation	14% Neurological	9% Life Cycle
10% Skin	10% Respiration	12% Skin	13% Physical Regulation	6% Skin
9% Fluid	10% Fluid	10% Neurological	8% Skin	5% Urinary

**Physical Regulation, Respiration, and Skin** are common to all unit types

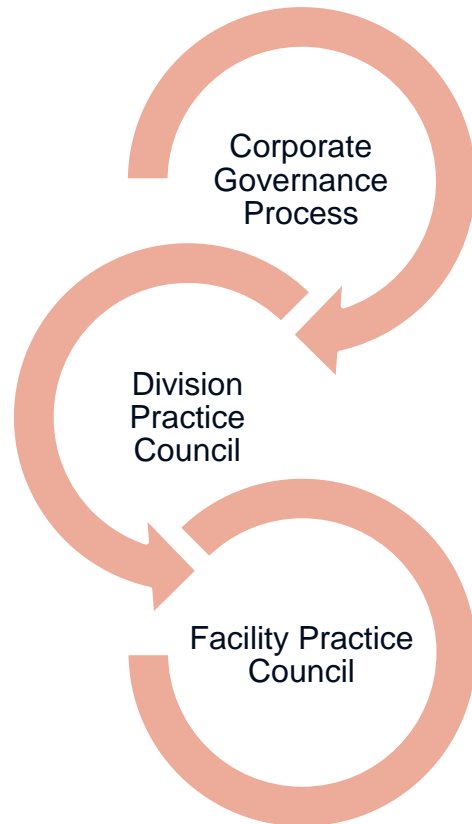
# Leveraging Documentation Data: Nursing Process Level



**Key Process Indicators,** based on EB nursing practices, data **updates daily** to support precision **targeted performance management**

# Holding the Gains

## Structure

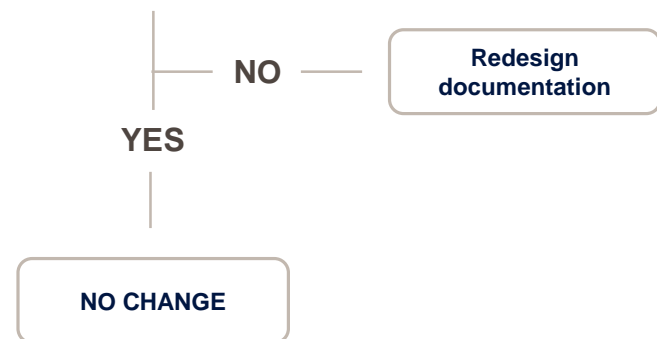


## Process

Does current process match the ideal process?



Does content align with guiding principles and key decisions?



## References

- Englebright J, Aldrich K, Taylor CR. (2014). Defining and incorporating basic nursing care actions into the electronic health record. *Journal of Nursing Scholarship*, 46(1):50-57.
- Saba, VK. (2012). Clinical Care Classification (CCC) System, Version 2.5 User's Guide, 2<sup>nd</sup> edition. Springer Pub, New York, NY.