From Document Burden to Documentation Excellence

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Meet Our Speaker

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Conflict of Interest

William Dan Roberts, RN, APN, PhD

Has no real or apparent conflicts of interest to report.
Agenda

• Documents as the foundation of care delivery: Our History
• Manifesto of Easy: Electronic Records
• Realities of the Complexity of Purpose
• Time of Reckoning
• Future of Documentation
Learning Objectives

• From our shared reality, discuss how documentation burden impacts the future of nursing

• From futuristic visioning, outline how artificial intelligence and machine learning are used to minimize documentation burden

• From our collective reckoning, discuss regulatory implications related to documentation changes
Timeline Journey: Documents to Documentation to Futuristic Vision
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Paper → Electronic → Production → Advanced Computation

- Notes
- Documentation
- Electronic Records
- Data and Reporting
- Compliance
- Computation
- Future Vision
Timeline Journey: Documents to Documentation to Futuristic Vision

Notes
- Simple
- Random
- Quick accounting
- Reminders

Documentation
- Complex
- Connected
- Trending and Tracking
- Parameterized

Electronic Records
- Discipline added
  - Complexity
- Generative actions
- Longitudinal
- Reminders and Alerts

Data and Reporting
- Parity to Parsimony Paradigm
- Multi-parameter viz
- Comparisons within and across
- Decision support

Compliance
- Regulated and Administrative
- Standards and Performance
- Benchmarking
- Penalties

Computation
- Societal Shifts
- SDoH
- Causation and Correlation
- Context of Care: Timeline shifts

Future Vision
- Patient/Family/Community Centric
- Differently enabled
- Continuous iterative learning modalities
  - AI/NLP/ML informed machines
Timeline Journey: Paper-based Documentation

Pros:
- Complex
- Connected
- Trending and Tracking
- Parameterized

Cons:
- Simple
- Random
- Quick accounting
- Reminders

Keepers:

Notes:

Future Vision:
- Patient/Family/Community Centric
- Differently enabled
- Continuous iterative learning modalities
- AI/NLP/ML informed machines
Timeline Journey: Electronic Documentation

**Pros:**
- Electronic Records
  - Discipline added complexity
  - Generative actions
  - Longitudinal
  - Reminders and alerts
- Data and Reporting
  - Parity to Parsimony Paradigm
  - Multi-parameter viz
  - Comparisons within and across
  - Decision support
- Compliance
  - Regulated and Administrative
  - Standards and Performance
  - Benchmarking
  - Penalties

**Cons:**

**Keepers:**

**Future Vision**
- Patient/Family/Community Centric
- Differently enabled
- Continuous iterative learning modalities
- AI/NLP/ML informed machines
Timeline Journey: Production Documentation

Compliance
- Regulated and Administrative
- Standards and Performance
- Benchmarking
- Penalties

Computation
- Societal Shifts
- SDoH
- Causation and Correlation
- Context of Care: Timeline

Pros:
1

Cons:
2

Keepers:
3

Future Vision
- Patient/Family/Community Centric
- Differently enabled
- Continuous iterative learning modalities
- AI/NLP/ML informed machines

Production
Timeline Journey: Computational-supported Documentation

**Computation**
- Societal Shifts
- SDoH
- Causation and Correlation
- Context of Care: Timeline shifts

**Computation**

1. **Pros:**

2. **Cons:**

3. **Keepers:**

**Future Vision**
- Patient/Family/Community Centric
- Differently enabled
- Continuous iterative learning modalities
- AI/NLP/ML informed machines
Timeline Journey: Computation to Transformation

**Future Vision**
- Patient/Family/Community Centric
- Differently enabled
- Continuous iterative learning modalities
- AI/NLP/ML informed machines

**Opportunities for Our Future**
- Anticipatory Support
- Care Delivery orchestrated differently
- Care Anywhere
- Technology enabled Patients
Timeline Journey: Computation to Transformation

Future Vision
- Patient/Family/Community Centric
- Differently enabled
- Continuous iterative learning modalities
- AI/NLP/ML informed machines

Pros:
1.

Cons:
2.

Keepers:
3.

Opportunities for Our Future
- Anticipatory Support
- Care Delivery orchestrated differently
- Care Anywhere
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Burden and Futuristic Documentation
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Binding Core Tenets

PERSON

COMPUTER
Burden and Futuristic Documentation

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**Binding Core Tenets**

- **Real-time**: Make it possible to input and retrieve information, in your chosen form [e.g., verbal, visual].
- **Simplify Transactions**: Monitored AI algorithms to do administrative tasks automated; Autonomate administrative work.
- **Context Uniqueness**: Rethink models of care and care delivery.
- **Anticipate**: Machine Learning to understand iterative scenarios and offer options.
- **Choice**: Provide options with potential outcomes and consequences.
- **Support on Demand**: Design for complex requests with guidance to accomplish goals.
Questions

• What is your internalized vision? Is it anchored in “why” you do work?
• Can you connect the dots of the binding core tenets and your vision?
• Are we appropriately innovating to meet the shifting paradigms?
• Are you adequately prepared to be an informed challenger of the status quo?

You can reach me on Twitter @WmDanRoberts, where my views are exclusively my own, or on LinkedIn as William Dan Roberts, PhD