

Healthcare Virtual Symposium 2020: Foundational Changes to Shape our Future

Your Journey to Automation Starts with These Four "Must-Do's"

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## Agenda

| 1 | Background of your Speakers  |
|---|------------------------------|
| 2 | Automation Wild West         |
| 3 | Let's be Clear               |
| 4 | Must Do's and Client Stories |
| 5 | Bonus Thoughts               |
|   | Polling Questions Throughout |



### **Presenters**

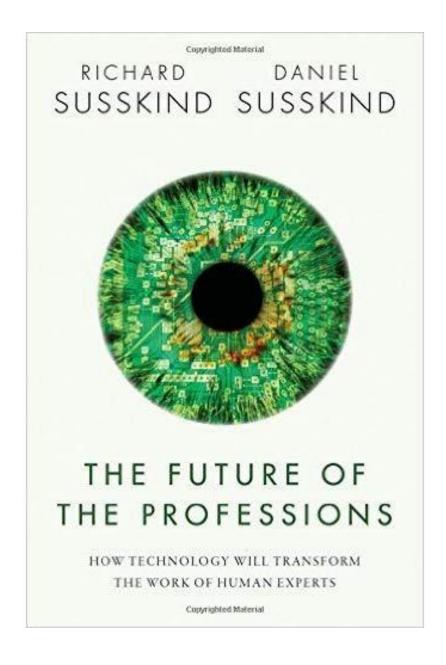


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This book predicts the decline of today's professions and introduces the people and systems that will replace them.

In an internet-enhanced society, according to Richard Susskind and Daniel Susskind, we will **neither need nor want** doctors, teachers, accountants, architects, the clergy, consultants, lawyers, and many others, to work as they did in the 20th century.



Does anyone think that the revenue cycle of the future will NOT

be automated ...?





#### the**bmjopinion**

Latest

Authors ▼

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Tom Hardie: The promise of greater automation in healthcare









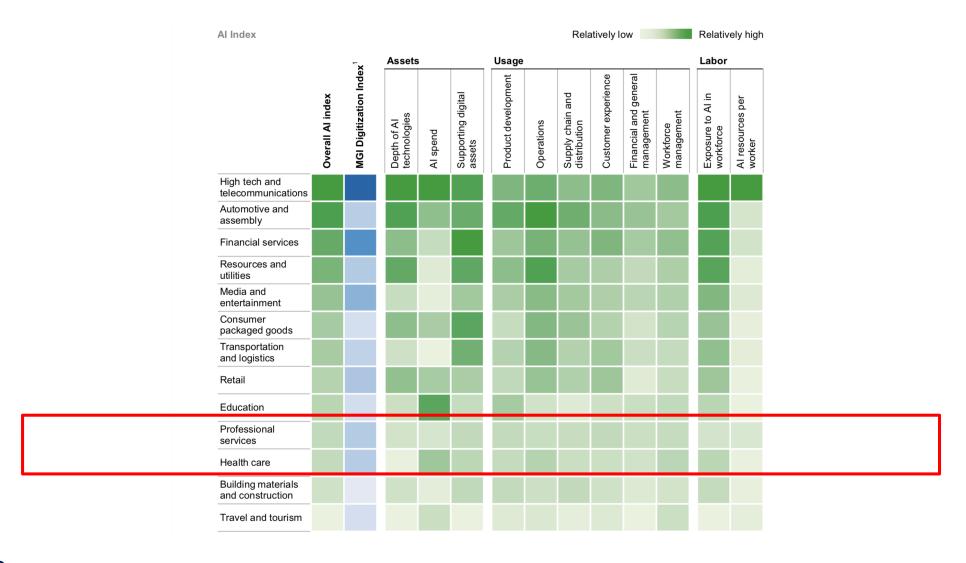


## Robotic automation and the future of work

Robotic process automation (RPA) enables organizations to effectively automate tasks, streamline processes, increase employee productivity, and ultimately deliver satisfying customer experiences.



## Al and Automation penetration in Healthcare is low





## **Polling Question #1**

## 1. What area do you think will benefit the most from Automation?

- A. Clinical Services
- B. Finance Department
- C. Revenue Cycle
- D. Quality



### **Healthcare Trends in Automation**

- Health systems are establishing Automation Departments
- RPA firms are stirring interest, confusion and unmet promises
- Contrary charters focus on labor reduction, but Board doesn't want layoffs, plus the transition to improved patient experience6



## What Benefits Can Hospitals Get from Healthcare Automation?

Posted by Infinit-O on Sep 10, 2018 10:56:18 PM Topics: Automation, Healthcare

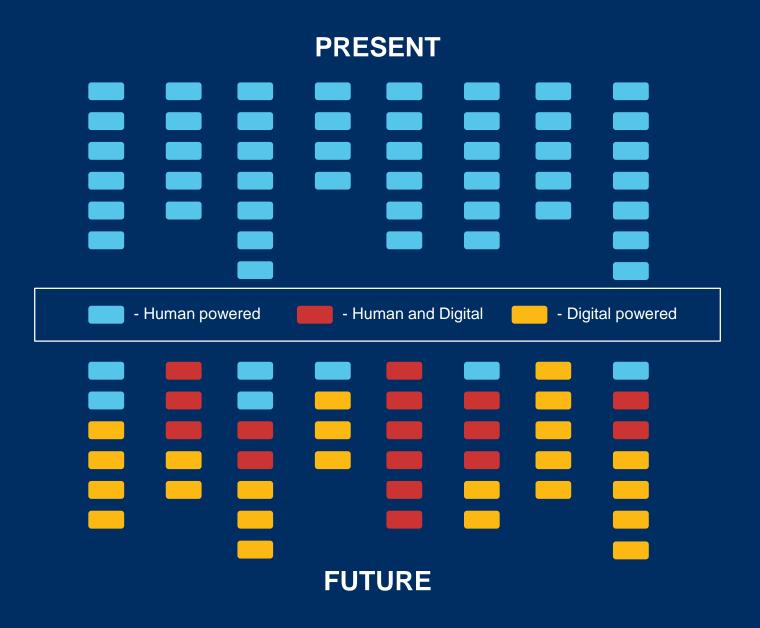


- 1. Overall Savings on Time, Labor and Cost
- 2. Improvement on Quality and Consistency
- 3. Better for Population Health
- 4. Access to Insights Given by Data

Vague ... Vague ... Vague



# Workforce implications





## **Summary – Automation Standards**



#### Read

Read documents and transform into electronic data or read for the presence of specific content.



#### **Apply**

Apply rules to situations in a linear fashion based upon a rules library or expert system structure.



#### Route

Route information or action steps to human as part of a human-machine collaboration.



#### Lookup

Lookup information or reference codes automatically, avoiding duplicative tasks and errors in data processing.



#### **Scrape**

Scrape screens of third-party solutions as necessary to collect data, retrieve values, or otherwise interact with applications.



#### **Detect**

Detect anomalies or suspicious transactions, charges, or other events based on intelligent models trained across industry data sets.



#### Send

Send emails, texts, or other communications in support of a required action or work step.



#### **Calculate**

Calculate values, measures, or data values based upon rules dictated by expert systems and/or rules libraries.



#### **Enter**

Enter data into internal / external systems to complete steps and maintain data integrity in systems of record.



#### **Decide**

Make decisions as part of a cognitive automation step based on available or historic data using machine learning techniques.



#### Respond

Respond directly to an input or dialog with a user to provide an answer or additional insight.



#### **Predict**

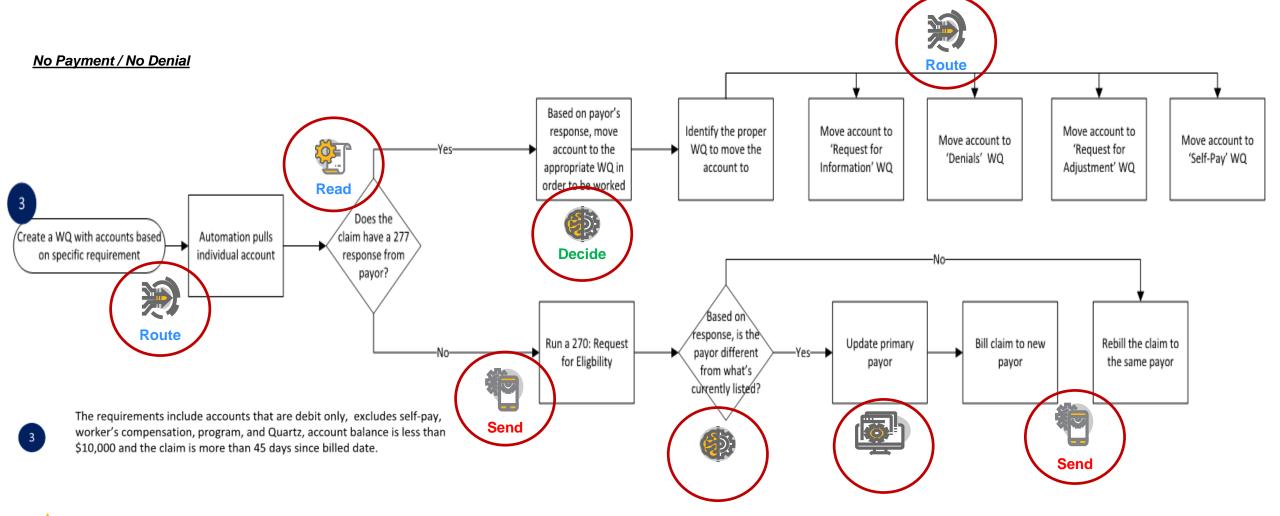
Predict results, values, or outcomes based on available data and patterns identified within the data.



### Account Follow-up – Claim Status

Type: Automation as a Service (AaaS)

#### **Example of Future State Automation**





## **Polling Question #2**

## 1. Which types of organizations will take the lead re: integrating automation into healthcare?

- A. Academic Medical Centers (e.g. BJC)
- B. Big data organizations (e.g. Google)
- C. Consulting firms (e.g. Crowe)
- D. Technology firms (e.g. IBM)





## Get your craft right first.

- Know your WHY avoid automation for the sake of automating.
- Pick your priorities not everything will be able to be automated. Be deliberate.
- Take time to optimize FIRST. Garbage in really will result in Garbage out.
- Be realistic. Automating takes time. Spend the appropriate time on getting things right.





## **Have a Command Center mentality**

- not a "bot" mentality
- "Operational" command centers are underway in analytics, equipment monitoring, telemetry and supply chain ("incident control")
- "Clinical" command centers are in development, particularly around population health
- Data access and data structure now allows for centralized "dashboard" management – think Revenue Integrity





### **Polling Question #3**

## 1. Why is rapid adoption of automation such a challenge?

- A. Costs too much/not enough ROI
- B. People are afraid of it
- C. People don't understand it
- D. The technology hasn't matured enough



## You need a new organizational model

- managing machines requires upskilling
- Key transition will be functional performance management vs. labor productivity management (hard skills vs. soft skills)
- "Engineering" mindset will become the prevalent hiring criteria for the "employee journey" to success
- 55% of revenue cycle employees already know
   "I need to learn new technologies to remain competitive in my skillset"





### There is more value in total

- not just labor efficiency ...
- Net revenue will increase
- Cost reductions will be realized
- Redeployment will be valuable
- Quality and consistency will increase





## **Polling Question #4**

1. What % of labor hours in the revenue cycle will be replace by automation in 5 years?

- A. 10%
- B. 20%
- C. 40%
- D. 50%+











## Thank you.

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