

Rachael L. Fleurence, PhD

**NESTcc Executive Director** 

May 11, 2018

#### THE ECOSYSTEM CHALLENGE



The health care ecosystem is united behind the need to improve patients' timely access to safe and effective devices as well as to improve the quality of life for patients with medical devices.

NESTcc was developed to tackle the lack of **high quality, near real-time,** and **low cost evidence** to support:



Regulatory decisionmaking across the Total Product Life Cycle (TPLC) for the **FDA and medical device industry** 



Clinical decision-making for **patients and clinicians** 



Purchasing decisions and quality of care for **health** systems



Coverage decisions for public and private **payers** 





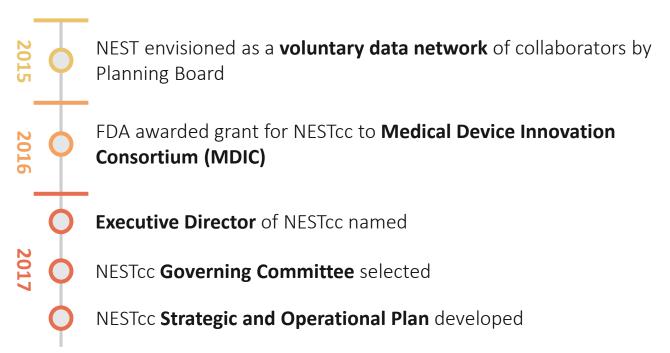
#### **NESTcc'S ROLE IN THE ECOSYSTEM**

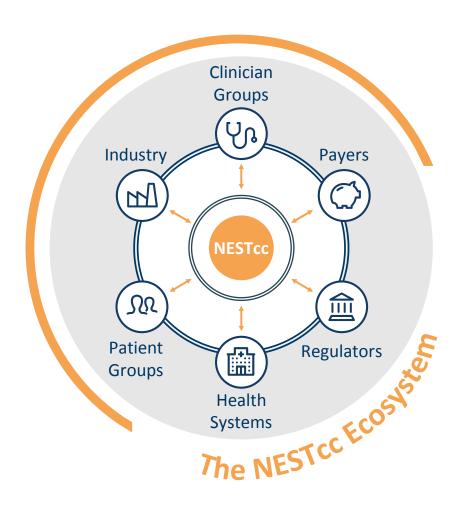


#### **NESTcc Mission Statement**

To accelerate the development and translation of new and safe health technologies, leveraging Real-World Evidence (RWE), and innovative research.

### **History of NESTcc**







#### **NESTCC DEVICE NETWORK TIMELINE 2018**



Establish initial **NESTcc Data Network** with 11 collaborators

**Implement test-cases** with manufacturers and NESTcc network collaborators

Work with stakeholders to establish data quality and methods standards as well as operating processes

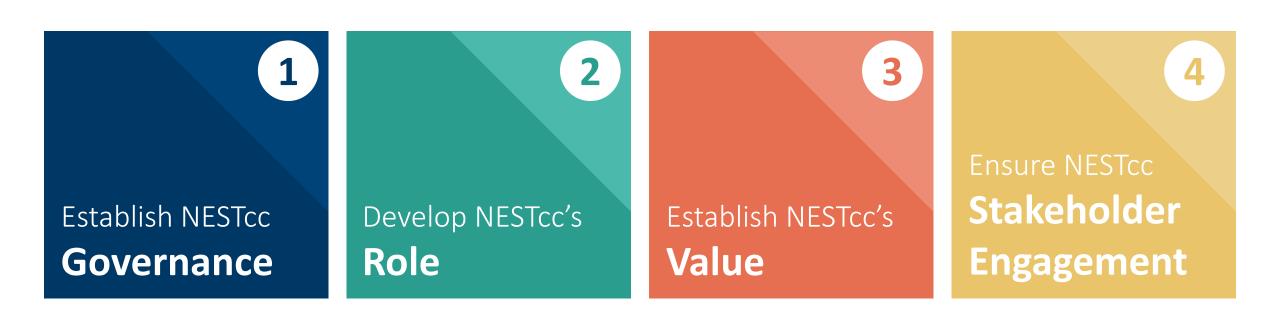
**Identify gaps in data infrastructure** to support robust medical device studies and find solutions

**Expand NESTcc Data Network** 

### FRAMEWORK STRATEGY TO ACHIEVE ESTABLISHED GOALS



To achieve success, NESTcc will focus on four strategic priority areas outlined in the Strategic and Operational Plan:







### ESTABLISH NESTCC GOVERNANCE



NESTcc will establish an effective governance structure to support short-term activities and long-term goals.

#### **ACTIVITIES TO DATE**

- Selected NESTcc Executive Director
- Established functional and efficient NESTcc
   Governing Committee
- Grew NESTcc team to include five full-time staff members
- Approved four NESTcc Governance
   Subcommittees
- Finalized NESTcc Mission and Vision Statements

#### **UPCOMING ACTIVITIES**

- Selection of Chair and Lead Director for NESTcc Governing Committee
- Amend Governing Committee Charter to reflect changes
- Launch the Methods Consultation
   Subcommittee and Data Quality Consultation
   Subcommittee





### ESTABLISH NESTCC GOVERNANCE



The NESTcc Governing Committee represents stakeholders across the medical device ecosystem.

**NAOMI ARONSON** 

Blue Cross Blue Shield Association (BCBSA)

KATHLEEN BLAKE

American Medical Association (AMA)

MARK DEEM - MDMA Nominee The Foundry, LLC

**PAMELA GOLDBERG** 

Medical Device Innovation Consortium (MDIC)

**BILL HANLON - ACLA Nominee** LabCorp/Covance

**ADRIAN HERNANDEZ** 

Duke Clinical Research Institute (DCRI)

HARLAN KRUMHOLZ

Yale University

**ELIZABETH MCGLYNN** 

Kaiser Permanente

MICHELLE MCMURRY-HEATH - AdvaMed

Nominee

Interim Governing Committee Chair Johnson & Johnson Medical Devices

**VANCE MOORE** 

Mercy Health

**JEFFREY SHUREN** 

FDA, CDRH

**SHARON TERRY** 

Genetic Alliance

**DIANE WURZBURGER - MITA Nominee** 

**GE** Healthcare

**MARC BOUTIN** 

National Health Council

TAMARA SYREK JENSEN

Center for Clinical Standards and Quality, CMS

■ Trade Association Nominees







































### **ESTABLISH NESTcc GOVERNANCE: SUBCOMMITTEES**



NESTcc is launching four subcommittees to achieve sustainability and establish its value in the medical device ecosystem.

#### **NESTCC GOVERNING COMMITTEE MEMBERS**



### CHARTER

Make recommendations
related to the NESTcc
Charter and determination
of roles and responsibilities
between NESTcc governing
and decision-making
entities



### SUSTAINABILITY

Provide strategic input to the development and implementation of the business, operating, and financial NESTcc sustainability models

### STAKEHOLDERS SELECTED THROUGH A PUBLIC CALL



# DATA QUALITY

Establish data quality standards and address issues with data quality, particularly as they impact NESTcc's mission



#### **METHODS**

Develop a research agenda identifying critical issues in methods across the TPLC and establish methods standards to include device specific considerations







### DEVELOP NESTcc'S ROLE: THREE-PRONGED APPROACH



NESTcc is building a sustainable network of collaborators committed to advancing RWE generation.

### **Engage**

- 11 **Demonstration Projects** covering a range of uses of Real World Evidence
- 7 case-studies underway to describe the value for industry stakeholders of using RWE

### Leverage

- 11 NESTcc network collaborators are pioneering the establishment of NESTcc's Data Network.
- 7 RWE test-cases are launching to demonstrate proof of concept.

### **Transform**

- Continue to identify barriers for **research-ready medical device data infrastructure** with our partners
- Establish data quality and methods standards through subcommittees of experts









NESTcc's role will be established through use cases that span the Total Product Life Cycle (TPLC) and include interventional and observational study designs.

#### **PRIORITY USE CASES**



Leverage





# Pre-Market: PMA, 510(k), De Novo

Using RWE to inform pre-market development or incremental improvement of medical devices



#### **Label Expansion**

Using RWE in a regulatory submission to support an expanded indication for use of medical devices already on the market



# Post-Market Approval Studies (PAS)

Using generated RWE
to track medical
device's safety and
effectiveness as part o
its condition of
approval



#### **Surveillance**

Using generated RWE to track and document medical device safety and effectiveness for products on the market



#### Coverage

Using generated RWE to support coverage and reimbursement decisions by public and private payers







**Engage** 

### **DEVELOP NESTcc'S ROLE: DEMONSTRATION PROJECTS**



Demonstration Projects are led by experts in the medical device field and are testing innovative approaches to evidence generation using Real-World Data (RWD) across device types and the TPLC.

# NESTCC DEMONSTRATION PROJECTS

- Led by experts in the field from academia, industry, and the FDA
- Identify barriers and strengths of using RWE in medical device studies
- Have potential for scalability across healthcare systems, device types, and manufacturers—using projects already underway
- Inform NESTcc's strategy and form NESTcc's learning network

#### **NESTCC TEST CASES**

- Solicit test-cases from medical device manufacturers to understand their evidence generation needs
- Explore NESTcc network collaborators' ability to capture the data needed to support a range of studies and analyses
- Identify areas where NESTcc could play a role in reducing transaction costs

TARGETED PROJECTS TO DEVELOP NESTCC AS A LEARNING NETWORK





**Engage** 

### **DEVELOP NESTcc'S ROLE: DEMONSTRATION PROJECTS**



NESTcc is focusing on leveraging RWE in use cases across the total product life cycle.

**Pre-Market** 

### **Ability to Support Use Cases Across the Total Product Life Cycle (TPLC)**

Principle Investigator(s), Demonstration Project	Pre-Market: Pre-Market Approval, 510(k), De Novo	Label Expansion	Post-Market: including Post- Approval Studies (PAS)	Surveillance	Coverage
Morales, Cronenwett, Thatcher: RAPID	0				
Kong, White, Krucoff: SAFE-STEMI		0			
Dreyer: Lung-RADS	Δ		Δ		
Waters: SHIELD					
Goodney, Sedrakyan: Vascular Implant Networks				0	
Resnic: ICD-DELTA				0	
Dujmovic, Hinrichs, Johnson, Slotwiner: EP PASSION			0		
Atwater & Piccini: Medicare & Implantables			0		
Lampert: mHealth				0	
Johnson & Drozda: EHR-Based Data Network				0	
Ross & Shah: mHealth			0		

**Regulatory Decision** 

@NESTccMedTech



Post-Market



Project Title	PIs	Orgs.	Project Overview
Developing and Implementing Sustainable Real-World Evidence (RWE) Infrastructure for In Vitro Diagnostics (IVDs) Through Systemic Harmonization and Interoperability for Enhancement of Laboratory Data (SHIELD)	Michael Waters, PhD (FDA)	U.S. Food and Drug Administration (FDA);  Collaborators include: 5 government offices, 7 IVD manufacturers, 5 healthcare systems, and 10 professional organizations and standards developers	<ul> <li>Study Design: Harmonization and mapping of IVD related codes (i.e., LOINC®, SNOMED-CT, and UCUM)</li> <li>NESTcc Use-Case: infrastructure to support IVDs future pre- and post-market needs</li> <li>Population/Device: pilots planned in 1) testing for antimicrobial susceptibility/resistance, 2) opioid screening and confirmatory testing, 3) testing for acute kidney injury, and 4) diagnosis of sepsis.</li> <li>RWD/Methods: mapping of relevant codes</li> <li>Significance: improve interoperability of information related to IVDs</li> </ul>
Electrophysiology Predictable and Sustainable Implementation of National Registries (EP PASSION)	Rich Dujmovic, MSEM (Boston Scientific); Heidi Hinrichs, MS (Abbott); Darrell Johnson, MBA (Medtronic); Kevin Mitchell (BIOTRONIK, Inc.); David Slotwiner, MD (Heart Rhythm Society)	Abbott; American College Cardiology (ACC); BIOTRONIK, Inc.; Boston Scientific; Duke; Heart Rhythm Society (HRS); LivaNova (Sorin); Medtronic; U.S. Food and Drug Administration (FDA); Yale	<ul> <li>Study Design: observational study</li> <li>NESTcc Use-Case: Post-approval studies, future</li> <li>Population/Device: new and substantially modified pacing and defibrillation leads</li> <li>RWD/Methods: by linking administrative claims, electronic health records, remote monitoring and periodic patient contacts</li> <li>Significance: use of RWD to increase efficiency and lower cost as well as capture a larger, more representative assessment of device performance</li> </ul>
Feasibility Study to Evaluate the use of mHealth as Data Source in Post-Market Surveillance	Rachel Lampert, MD (Yale)	Me2Health, Medtronic, Yale University	<ul> <li>Methodology:         <ul> <li>Prospective, non-randomized, observational, single-center study using an mHealth app (Hugo) to aggregate data from patient portals and share with manufacturer for safety event reporting and comparison to traditional collection methods</li> </ul> </li> <li>Proposed Research Outputs:         <ul> <li>Data analysis; Final report</li> </ul> </li> </ul>





Project Title	Pls	Orgs.	Project Overview
ICD Registry DELTA Active Surveillance Pilot Study	Frederic S. Resnic, MD (Lahey Hospital and Medical Center)	American College of Cardiology (ACC); Lahey Hospital and Medical Center (Tufts University School of Medicine) NCDR ICD Registry; U.S. Food and Drug Administration (FDA) - CDRH	<ul> <li>Study Design: observational study</li> <li>NESTcc Use-Case: surveillance</li> <li>Population/Device: high-energy implantable cardiac defibrillator (ICD) leads</li> <li>RWD/Methods: NCDR ICD Registry/the propensity-matched survival method</li> <li>Significance: Validation of time-dependent adverse event surveillance projects. Possible alternative to post-approval studies.</li> </ul>
Lung-RADS Assist: Artificial Intelligence Model Verification, Reporting, and Monitoring	Keith Dreyer, DO, PhD (Massachusetts General Hospital)	American College of Radiology  Implementation Sites: Brigham & Women's, Massachusetts General Hospital Radiology Workflow Companies: GE Healthcare, Nuance Algorithm Vendors: Aidence, Enlitic, Infervision, Mindshare Medical	<ul> <li>Study Design: Artificial Intelligence (AI) validation study and AI surveillance model</li> <li>NESTcc Use-Case: pre-market (model validation) and post-market (model performance)</li> <li>Population/Device: Lung cancer screening/AI algorithm</li> <li>RWD/Methods: Use of the ACR Lung CT Screening Reporting and Data System (Lung-RADS) to test and deploy the AI algorithm</li> <li>Significance: example of use of RWD to test and validate an AI algorithm. Learnings will be scalable to other disease areas.</li> </ul>







Project Title	Pls	Orgs.	Project Overview
Post-Market Medical Device Surveillance With a Novel mHealth Platform	Joseph Ross, MD (Yale), Nilay Shah, PhD (Mayo Clinic)	Center for Excellence in Regulatory Science and Innovation (CERSI), Johnson & Johnson, Me2Health, U.S. Food and Drug Administration (FDA), Yale-Mayo Clinic	<ul> <li>Methodology:         <ul> <li>Feasibility study using an mHealth app to merge together four data sources into a research-ready database</li> </ul> </li> <li>Proposed Research Outputs:         <ul> <li>Research database; Feasibility study</li> </ul> </li> </ul>
Registry Assessment of Peripheral Interventional Devices (RAPID) - Superficial femoral and Popliteal Evidence Development (SPEED) as First Device Evaluation Project	Jack Cronenwett, MD (SVS), Jose Pablo Morales, MD (FDA), Robert Thatcher, MBA (4C Medical Technologies)	MDEpiNet Executive Operations Committee; Over 36 organizations, including 3 registries/societies, 7 federal agencies, 12 device manufacturers, and 16 other related companies/organizations	<ul> <li>Study Design: observational study (getting more information)</li> <li>NESTcc Use-Case: Pre-market/Objective Performance Criteria development – potential to support label expansions</li> <li>Population/Device: Peripheral Vascular Intervention (PVI) Devices</li> <li>RWD/Methods: linkages with CATH PVI registry</li> <li>Significance: use of RWD to develop OPCs which once available could accelerate regulatory decisions</li> </ul>
SAFE STEMI for Seniors: An International CRN-Based Prospective Randomized IDE Study of Labelling for Diagnostic and Therapeutic Devices Used in Seniors Suffering Heart Attack	David F. Kong, MD (DCRI), Mitchell W. Krucoff, MD (DCRI), Roseann White, MA (DCRI)	CDRH; CMS; Duke University/Duke Clinical Research Institute (DCRI); Harvard University Quantitative Angiographic Core Laboratory; MDEpiNet PASSION CV Programs; Medtronic; NCDR; Terumo; Volcano/Philips	<ul> <li>Study Design: prospective randomized study</li> <li>NESTcc Use-Case: Pre-market/Investigational device exemption (IDE) study for regulatory labelling of two devices, IFR diagnostic wires and therapeutic DES</li> <li>Population/Device: seniors undergoing urgent PCI for STEMI</li> <li>RWD/Methods: linkages with CATH PCI registry and Medicare Claims data (ascertainment of AEs)</li> <li>Significance: use of RWD in an IDE study to increase efficiency and lower cost of traditional clinical trial</li> </ul>

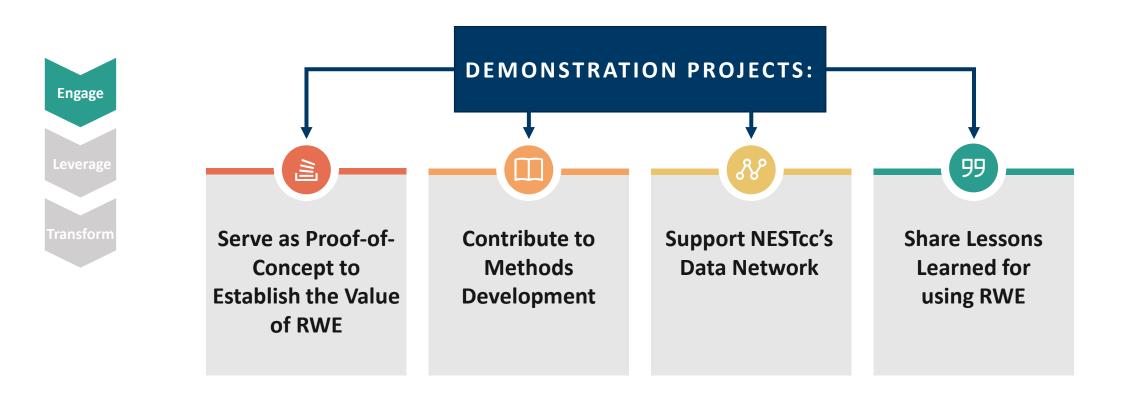


Project Title	Pls	Orgs.	Project Overview
Use of EHR-Based Data Network to Support Evidence Generation Across the Total Product Life Cycle (TPLC)	Joseph Drozda, MD (Mercy), Darrell Johnson, MBA (Medtronic)	Medtronic, Mercy	<ul> <li>Methodology:         <ul> <li>Application of a systematic EHR data access and usage process including tools and techniques</li> <li>Cross-functional, cross-institutional collaboration and reviews (e.g. with other hospital systems or working groups)</li> </ul> </li> <li>Proposed Research Outputs:         <ul> <li>Technical data warehouse and cloud infrastructure</li> <li>Data network value and usability assessment</li> <li>Systems, processes and workflow adjustments</li> <li>Recommendations regarding functions and activities for a sustainable NESTcc including a framework, requirements, and guidelines</li> </ul> </li> </ul>
Use of Linked Implantable Device/Medicare Data to Assess Association Between Device Diagnostics and Patient Outcomes	Brett Atwater, MD (Duke), Jonathan Piccini, MD (Duke)	Abbott; Department of Population Health; Duke University (Duke Clinical Research Institute (DCRI); Duke Center for Arrhythmia Research & Treatment Innovation)	<ul> <li>Study Design: retrospective observational study</li> <li>NESTcc Use-Case: label expansions and post market assessments</li> <li>Population/Device: implantable cardioverter defibrillator and pacemakers</li> <li>RWD/Methods: linkages of remote-monitoring data (Merlin.Net) with CMS Medicare data to explore association between stored device diagnostics and clinical and economic outcomes</li> <li>Significance: novel exploration of linkages of device-generated data with claims data to support clinical evidence generation</li> </ul>
Vascular Implant Surveillance and Interventional Outcomes Network (VISION)	Philip P. Goodney, MD, MS and Art Sedrakyan, MD, PhD (Society for Vascular Surgery Patient Safety Organization)	Society for Vascular Surgery Patient Safety Organization (SVS- PSO); U.S. Food and Drug Administration (FDA); Weill Cornell Medical Center	<ul> <li>Study Design: observational study</li> <li>NESTcc Use-Case: post-market reporting, post-market surveillance</li> <li>Population/Device: Over 65 (looking to expand to under 65)/vascular devices such as those used for endovascular abdominal aortic aneurysm repair</li> <li>RWD/Methods: clinical registry (SVS-PSO registry) and Medicare Claims and New York State Registry data (SPARCS)</li> <li>Significance: use of RWD to increase efficiency, validity and cost of device surveillance</li> </ul>





Demonstration Projects generate value across the development of NESTcc, informing strategy and execution.









NESTcc solicited submissions from industry for RWE test-cases that it will seek to implement with network collaborators.

Test-cases were sought to assess feasibility and are intended to explore the network collaborators' ability to capture the data needed to support a range of studies and analyses.











- Solicit test-cases from medical device manufacturers to understand their evidence generation needs
- Explore NESTcc network collaborators' ability to capture the data needed to support a range of studies and analyses
- Test and understand the unique **capabilities** of the NESTcc Data Network
- Assess the **feasibility** of NESTcc's envisioned Data Network





NESTcc solicited submissions from industry for RWE test-cases to assess feasibility. Test-cases are intended to explore network collaborators' ability to capture data needed to support a range of studies and analyses.



Submission Deadline -**January 31, 2018** 

NFSTcc received **nine test-cases** as a result of its Call for Concepts from medical device manufacturers.

### Review and Selection -February 2018

Each concept was reviewed by two to four reviewers from MDIC staff and the FDA through objective evaluation criteria. Non-MDIC staff were required to disclose COI and sign NDAs with MDIC.

### **Feasibility** Conversations -March and April 2018

NFSTcc network collaborators will be consulted to assess the **feasibility** of seven testcases using Concept Proposals submitted by manufacturers.





March/April

### **SNAPSHOT OF** TEST-CASES

- ✓ Represent both small and large manufacturers
- ✓ Span the Total Product Life Cycle (TPLC) including premarket, patient management and clinical guidelines, label expansion, and post-market surveillance
- ✓ Cover a range of device types including dermatology, cardiovascular, vascular, orthopedics, and surgery

January







To better understand the capabilities of its Data Network, NESTcc is facilitating collaboration between network collaborators and test-case manufacturers, whose de-identified concepts are summarized below:

Engage
Leverage
Transform

TOTAL-PRODUCT LIFE CYCLE (TPLC) ALIGNMENT	PRODUCT(S)	AREA
Pre-Market Submission	Topical Skin Adhesive	Dermatology
Label Expansion	Devices used in Rx of Atrial Fibrillation	Cardiovascular
Label Expansion	Stent graft component product	Vascular
Move from General to Specific Indication	Device used in surgery	Surgery
Post-market Surveillance	Knee replacement	Orthopedics
Post-market Surveillance	Various Devices	Orthopedics
Patient Management Clinical Guidelines	Anti-coagulation dosage following mechanical heart valve (MHV) replacement	Cardiovascular







NESTcc has identified two test-cases examining orthopedic devices that are undergoing feasibility testing with network collaborators.

#### ORTHOPEDIC TEST-CASE EXAMPLE I

- ✓ Explore the feasibility of using real world data (RWD) for proactive post-market surveillance that fulfills regulatory obligations (necessary data elements, sufficient sample size, and representativeness of the sample for purposes of generalizability to the patient population of users) for three orthopedic devices.
- ✓ The population of interest is patients undergoing craniofacial reconstruction (mostly pediatric patients), spinal decompression/intervertebral body fusion, and ligament/tendon joint attachment.
- ✓ The project will explore proactive surveillance for each device of interest.

#### ORTHOPEDIC TEST-CASE EXAMPLE II

- Evaluate the feasibility of combining a limited sample of registry data with private claims payments from NESTcc network collaborators.
- ✓ Project will look at primary total knee replacement surgical procedures and implants in younger (<65 years of age) patients.
- ✓ Outcomes of interest will include readmission, reoperation, and revision (removal of implant).
- ✓ The project will look at 90 day, 1 year, and 2 year post-surgery data, as available from collaborators.



Leverage







NESTcc has identified a test-case examining a Class I, dermal adhesive used for surgical or trauma-induced wound closures and lacerations that is undergoing feasibility testing with network collaborators.

### TOPICAL SKIN ADHESIVE (TSA) TEST-CASE EXAMPLE

- ✓ Explore the feasibility of using Real World Data (RWD) for a retrospective analysis to assess the safety and effectiveness of existing wound closure methods (TSA, staples, sutures, and combinations) for surgical wounds or lacerations
- ✓ Develop the value proposition for a new device to bring to the U.S. market that is currently approved in EU and not in the U.S.
- ✓ The population of interest is patients with wounds from surgical incisions or trauma-induced lacerations with at least six months of data available.
- ✓ Assessing outcomes of interest such as the type of surgery, the type of wound or surgical laceration, and adverse events or complications as well as efficacy and cost-effectiveness.











NESTcc has established relationships with network collaborators to advance evaluation and use of high-quality RWD from various sources.

# TO DATE, MEMORANDA OF UNDERSTANDING (MOUS) HAVE BEEN SIGNED WITH 11 COLLABORATORS:

































NESTcc surveyed its Data Network to determine current capabilities, gaps, and priority areas.



Engage







Duke University Health System •
HealthCore • Lahey Clinic •
Mayo Clinic • MDEpiNet • Mercy
• OneFlorida • PEDSnet •
Vanderbilt University • WeillCornell Medical Center • Yale
New Haven Health System

Survey respondents represent:



150 Hospitals



3,042+
Outpatient
Clinics

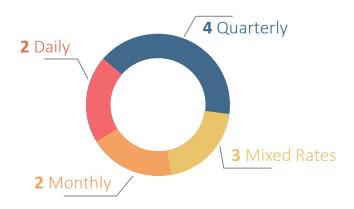
Patient data represents:



Patient Records Common data models:

- ✓ 12b2
- ✓ OMOP
- ✓ PCORnet
- ✓ Sentinel

Respondents report regular data refreshes:



Most cited expertise:

- ✓ Cardiovascular and Cardiac Surgery
- ✓ Women's Health
- ✓ Neurosurgery
- ✓ Gastroenterology
- ✓ Orthopedic

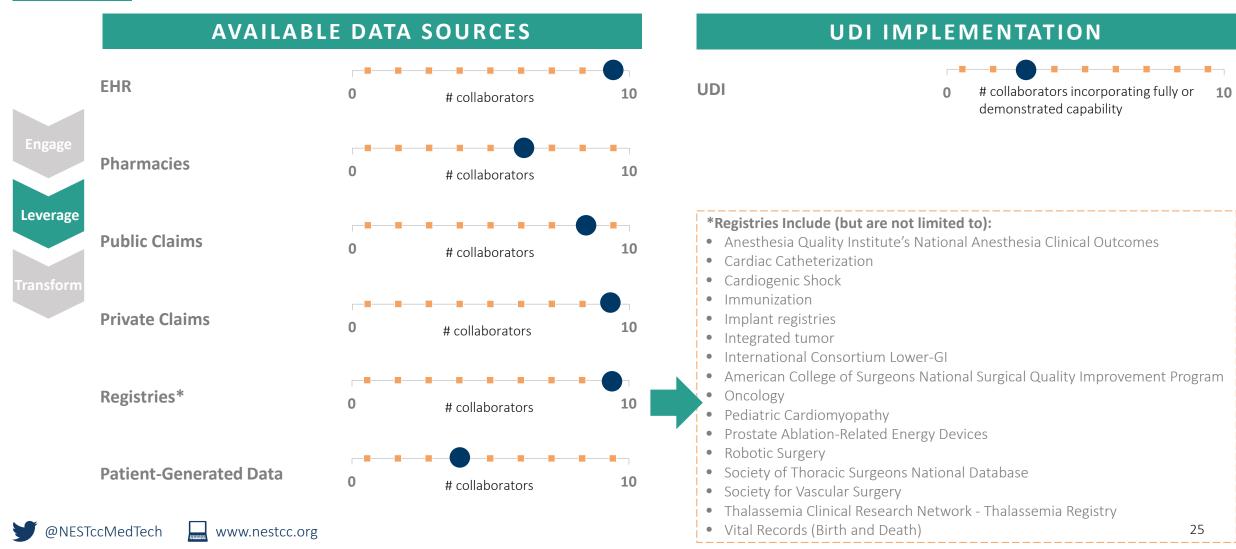








The collaborators comprising the NESTcc Data Network have access to a range of available data sources, including those listed below.







NESTcc will support its Data Network by helping streamline administrative processes, reducing transaction costs, and offering research assistance.



### **REDUCING TRANSACTION COSTS**



Leverage

Transfori

- Putting in place an umbrella non-disclosure agreement (NDA) with NESTcc Network Collaborators
- Developing a participation agreement defining roles and responsibilities of NESTcc and Network Collaborators
- Developing a Master Services Agreement between the Network Collaborators and NESTcc to accelerate contracting time



### TYPES OF RESEARCH OFFERED

- Prep to research questions (e.g. size and type of patient population with a specific condition or device)
- Identification of patients for clinical trials and identification of clinical trial sites
- Retrospective observational studies with deidentified data
- Prospective observational studies with patient consent
- Patient surveys and patient-generated data with patient consent
- Interventional/randomized studies (not in the short term)







### **ESTABLISH NESTcc'S VALUE**



NESTcc will establish its value to achieve full operability and sustainability.

#### **ACTIVITIES TO DATE**

- Developed NESTcc business model with stakeholder feedback
- Established and launched Sustainability
   Subcommittee
- Announced Sustainability Request for Proposals (RFP) requiring plan for Market
   Analysis and Business Plan Development

#### **UPCOMING ACTIVITIES**

- Identify and select contractor to fulfill Sustainability RFP
- Develop business plan inclusive of a financial model and operating model
- Establish pricing models





### ESTABLISH NESTcc'S VALUE: SUSTAINABILITY PLANNING



NESTcc has launched its Sustainability Subcommittee to provide strategic input to the development and implementation of business, operating, and financial sustainability models

#### SUBCOMMITTEE MEMBERS



Mark Deem



Pamela Goldberg



**Bill Hanlon** 



Adrian Hernandez



Vance Moore

### REQUEST FOR PROPOSALS (RFP)

- NESTcc announced an RFP seeking contractor support to develop sustainability planning for the long-term viability and sustainability of NESTcc after the initial U.S. Food and Drug Administration (FDA) MDUFA funding.
- Sustainability RFP includes two separate scopes of work:
  - Market Analysis
  - Business Plan Development

#### **Anticipated RFP Timeline**

May 1, 2018
Opportunity Posted

**May 31, 2018**Deadline for Proposals

**July 1, 2018**Project Notification

**August 1, 2018**Project Start Date







### ENSURE NESTCC STAKEHOLDER ENGAGEMENT



NESTcc will ensure effective communication to engage key stakeholders across the medical device ecosystem.

#### **ACTIVITIES TO DATE**

- Established NESTcc's brand and developed targeted communications materials for key stakeholder groups
- Launched NESTcc communications channels
  - NESTcc Website (<u>nestcc.org</u>)
  - Twitter (@NESTccMedTech)
  - LinkedIn (linkedin.com/company/nest-cc)
- Held speaking roles at 50+ conferences and events since September 2017

#### **UPCOMING ACTIVITIES**

- Engage and collect feedback from key stakeholders across the medical device ecosystem
- Finalize and launch NESTcc Strategic
   Communications plan



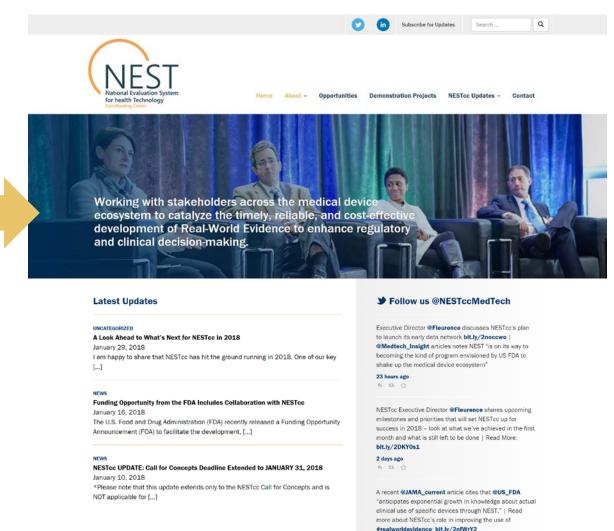


### **ENSURE NESTCC STAKEHOLDER ENGAGEMENT**



NESTcc launched its website in December as a public-facing forum for stakeholders to:

- Access the latest NESTcc news updates
- ✓ Stay up-to-date on NESTcc achievements with Executive Director and Guest Blogs
- ✓ Learn more about the NESTcc
  Team and Governing Committee
- ✓ Utilize opportunities to engage with NESTcc
- Follow NESTcc on Twitter







Contact us to develop a partnership

NESTcc@mdic.org



Connect with us on Twitter

@NESTccMedTech



Check out our updates on the website

www.nestcc.org



Explore open opportunities for engagement

nestcc.org/opportunities

#### **NESTCC PROGRESS: A SNAPSHOT**



## Selected Teams for RWE Assessment and Value Analysis Initiatives



#### **Initial Data Network Underway**

Completed Data Capabilities Surveys Indicate:



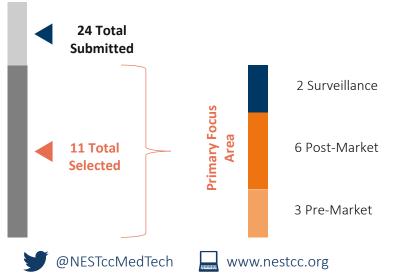


150 Hospitals



3,042+
Outpatient Clinics

#### **Designated Demonstration Projects**



#### **Governing Committee Activity**



#### **Business Plan Input**



- Data Collaborators
- Industry
- Other Stakeholders

#### **Communications Platforms Launched**



#### June 2017

NESTcc Twitter (@NESTccMedTech)



#### November 2017

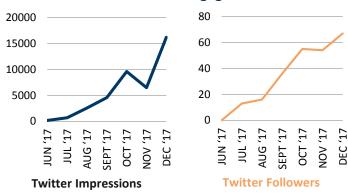
NESTcc LinkedIn



#### December 2017

NESTcc Website (www.nestcc.org)

#### **Social Media Engagement**



#### **Events and Conferences**

**2017** Key Conference Presentations



#### **Upcoming Events and Conferences**

#### Confirmed

- Health Datapalooza April 26-27, 2018
- FDA/Xavier MedCon Conference May 1-4, 2018
- ISPOR Baltimore May 19-23, 2018

#### Submitted

- Academy Health 2018 ARM June 24-26, 2018
- RAPS Regulatory Convergence 2018 October 1-4, 2018







