Care Coordination Workgroup
2020-2021 - Annual Report

Project Team:

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<tr>
<th>Co-Leader:</th>
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<tr>
<td>Mary Hook, PhD, RN-BC</td>
<td>Lori Popejoy, PhD, RN, FAAN</td>
</tr>
<tr>
<td>Research Scientist, Center for Nursing Research and Practice</td>
<td>Associate Dean for Innovation and Partnerships, Associate Professor</td>
</tr>
<tr>
<td>Aurora Sinai Hospital</td>
<td>University of Missouri</td>
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Purpose

- To identify nursing-sensitive essential shareable/exchangeable and comparable data elements to support care coordination activities and improve patient outcomes; Identify gaps/missing information needed to individualize care (e.g. patient preferences, goals, strengths, ability to self-manage, etc.)

Current Activities

- Group is actively conducting a descriptive study to identify the role of ambulatory care coordinators and the information that they gather and use to support care coordination
  - Study Aims: Use a cross-sectional survey methodology to describe: 1) characteristics of professional care coordinators, 2) what/where information is gathered, 3) what/when information is used in the care coordination process
  - Sample: Professional care coordinators who work in ambulatory settings (goal = 200)
  - Methodology: Currently identified care coordinators will be invited to participate in the study via an email message containing a brief description of the study, their right to choose to participate, and lack of consequences if they choose not to participate. The email will contain a link to the google docs survey
  - IRB Submission: August/Sept 2020
  - Recruitment: Q4 2020 – Q2 2021 distribute survey using a variety of sources including NKBDS Workgroups and larger group personal contacts and professional organizations to reach sample size
    - (Recruitment was put on hold Q1 2021 due to COVID-19)
  - Analysis: Q2 2021 to identify similarities and differences
  - Summarize findings and disseminate: Q2-3 2021
  - Implications: Use findings to identify specific data elements used by professional nurse care coordinators to support the exchange of vital information between all stakeholders
  - Workgroup held a joint meeting with the Social Determinants of Health Workgroup to identify opportunities to collaborate on future work

Recent and Upcoming Presentations

- N/A

Published, Accepted, and Under Review Publications

- N/A

Recent and Upcoming Other Products

- N/A
Context of Care Workgroup
2020-2021 – Annual Report

Project Team:

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<tr>
<th>Co-Leader:</th>
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<tr>
<td>Amber Oliver, DNP, RN-BC</td>
<td>Heather Shirk, MSN, RN</td>
</tr>
<tr>
<td>System Executive Director Clinical Informatics, Sanford Health</td>
<td>Clinical Informatics Nurse, WellSpan Health</td>
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Purpose:
Demonstrate sharable and comparable nurse data across the care continuum by capturing nursing “big data” in the Nursing Management Minimum Data Set (NMMDS), the Nursing Minimum Data Set (NMDS) and the Nursing Knowledge: Big Data Science Conference Nursing Value Data Set (NVDS) to increase nurse data usability, provide patient, family and community centric data and, fortify data generated by nurses, about nurses and nursing care across the care continuum and across care transitions in all settings where nurses provide care.

Current Activities
- Point Click Care to Epic Interoperability Project
  - Contract signed
  - 2 Pilot Sites Identified
  - Build with timeline as follows:
    - Build: 1/11/21 – 3/19/21
    - Training: 5/10/21 – 5/28/21
    - Go-Live: 6/1/21
  - Initial data flow to include the following:
    - Demographics
    - Medications (Discharged Medication Reconciliation List)
    - Allergies
    - Medical Problem List with ICD10 Dx
    - DNR Status

Recent and Upcoming Presentations
- N/A

Published, Accepted, and Under Review Publications

Recent and Upcoming Other Products
- N/A
Data Science and Clinical Analytics
2020-2021 - Annual Report

Project Team:

Co-Leader:
Steven G. Johnson, PhD
Assistant Professor, Institute for Health Informatics,
University of Minnesota, Minneapolis, US

Co-Leader:
Lisiane Pruinelli, PhD, RN, FAMIA
Assistant Professor, School of Nursing,
University of Minnesota, Minneapolis, US

Purpose

Apply data science and clinical analytic methods, incorporating validated information models derived from diverse sources of health care data, to address nurse-sensitive clinical research questions that have the potential to inform and educate nursing and multidisciplinary approaches for better patient care and outcomes.

Current Activities

The workgroup meets every other week.

- Nursing Data Science Year in Review
  - The 2019 manuscript was accepted in the Fall 2020 to be published at CIN
  - The 2020 year-in-review is under way. The group is writing up findings, and the plan is to submit for publication in June in the Applied Clinical Informatics journal. It is expected that publishing in ACI will have a much quicker review & publication timeline; thus, making findings timely available to everyone.

- Real world data science and clinical analytics education, best practices and projects
  - Data Science infrastructure and education resources
    - Continue building cloud environment using Google Cloud/BigQuery
    - Investigating grant and funding opportunities to foster the work
  - A project on viral pneumonia characterization is underway. We have identified and described 6 clusters in the final analysis, and we are finalizing a publication for submission in the Summer

- Explored NCATS N3C COVID-19 Database
  - The nursing role inside the N3C seems very limited and there is only a small amount of nurse sensitive data in the repository
  - But there is an N3C Nursing Domain Team that is forming. Our NKBDS Data Science and Analytics group will consider joining to better evaluate the nursing potential of the data and to support procurement of nurse sensitive data

- Resources for nurses and nursing leaders to support data science for research, quality improvement and clinical analytics
  - Planning to develop an instructional video and make it publicly available to nurse leaders

- Recruit new members
  - There are a few new members interested and joining the workgroup
Recent and Upcoming Presentations

- Lee, M. Exploring a large mental health emergency care claims data set to identify population health inequity. Doswell Nursing Informatics Conference, TWU The Houston J. and Florence A. Doswell College of Nursing, Dallas, TX. (2021, April 30)
- Role, J. Data science and informatics in healthcare: An overview. 1st Virtual International Research Conference, Adventist University of the Philippines, Silang, Cavite, Philippines. (2020, October 30). Invited

Published, Accepted, and Under Review Publications

- Pruinelli, L. Editorial: Nursing and Data: Empowering Nursing Leaders for “Big Data” Science. The Brazilian Nursing Journal (Revista Brasileira de Enfermagem - REBEn). [Accepted: 2021] [Non-Refereed]

Recent and Upcoming Other Products

- Video: Applied Healthcare Data Science Roadmap for Nurse Leaders (under production)
Education Workgroup
2020-2021 - Annual Report

Project Team:

| Co-Leader: Marisa L. Wilson DNSc RN-BC CPHIMS FAMIA FIAHSI FAAN Associate Professor The University of Alabama at Birmingham | Co-Leader: Dorcas Kunkel DNP RN CNE PHNA-BC CPHIMS Assistant Professor Jacksonville University |

Purpose
To ensure a competent nursing workforce capable of using digital technology to innovate, to create efficiencies, and to generate knowledge. This workgroup will collaborate with other workgroups and organizations; develop tools and strategies for increasing competency of faculty and students; disseminate information, and provide trainings.

Current Activities
- Led workgroup with the American Association of Colleges of Nursing (AACN) task force to develop Domain 8: Information and Healthcare Technology competencies and sub competencies for the Re-Envisioned Essentials
- Worked with faculty across the country during AACN listening sessions to begin the professional development of those faculty members as they work to integrate these competencies
- Lead sections of the revision of the American Nurses Association Scope and Standards of Nursing Informatics Practice
- Develop or locate an appropriate informatics self-assessment tool that aligns with the Essentials for faculty
- Continue to disseminate data on the informatics competency gap among nursing faculty which is key given the mandate to strengthen the domain
- Collaborate with the leadership of the Canadian Association of Schools of Nursing (CASN) to understand lessons learned
- Synthesize from each NKBDSI Workgroup the teachable content packets that they want to disseminate to ensure important concepts are not overlooked
- Create clinically focused, patient/population-based cases to align to teaching material so that faculty can see the connections between data, information, technologies, and care
- Determine how the Repository can be used as an interactive storage area for materials
- Continue to coordinate with other organizations (AACN, AMIA, ANIA, HIMSS, QSEN, NLN, TIGER) overseeing aspects of competency, accreditation, and professional development so that joint learning activities can occur to reach the maximum audience
Recent and Upcoming Presentations

- Wilson, M.L. American Association of Colleges of Nursing. Fall Faculty Forum
- Wilson, M.L. Re-Envisioning the Essentials of Academic Nursing Domain 8: Informatics and Information Technology. Summer Institute in Nursing Informatics, Baltimore MD
- Wilson, M.L. Ensuring Competent Nurses Working in Technology and Data Rich Environments. DelMarVa Chapter of American Nursing Informatics Association

Published, Accepted, and Under Review Publications


Recent and Upcoming Other Products

- N/A
Project Team:

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<th>Co-Leader:</th>
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<tr>
<td>Tess Settergren, MHA, MA, RN-BC</td>
<td>Stephanie Hartleben, RN-BC, MSN, MHA</td>
</tr>
<tr>
<td>Independent</td>
<td>Senior Principal, Clinical Informatics</td>
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<td>Elsevier Clinical Solutions</td>
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Purpose

Curate LOINC and SNOMED-CT mappings for nursing-specific value sets, submit requests for new codes where appropriate, and incorporate the content and standards into a framework and repository for dissemination.

Current Activities

- Request new LOINC panels for pain assessment scales included in the Pain Knowledge Model
  - N-PASS, NIPS, CNPI, & PAINAD submitted to LOINC
  - rFLACC, PIPP-R, CRIES status: Parking lot due to lack of response
  - CPOT status: Requested developer to allow total score and nursing interpretation submission to LOINC ‘for free’
- Exacerbating & Alleviating Factors Value Sets
  - Completed preliminary analysis of value sets
  - Heuristics development initiated
- Genitourinary Knowledge Model
  - Completed preliminary analysis of value sets
  - Clarified heuristics to employ for mapping certain value sets
- Falls Knowledge Model
  - Participating on cross-workgroup team
  - Standardized Scale analysis initiated
- Heuristics Documentation
  - Foundational Heuristics (original Jan 2020) updated
  - Standardized Scales/Surveys New Term Request Rules/Heuristics documented
  - Standardized Scales/Surveys Request Spreadsheet “Tips” documented
- Content for use by nursing faculty/nurse educators developed for Education Workgroup

Recent and Upcoming Presentations

- LOINC Conference October 2020: “Sharing Your Pain” (Tess Settergren, Kay Lytle, Susan A. Matney, Nathan Davis)

Published, Accepted, and Under Review Publications

- N/A

Recent and Upcoming Other Products

- N/A
Knowledge Modeling Workgroup  
2020-21 Annual Report

Project Team:

| Bonnie Westra, PhD, RN, FAAN, FACMI, Associate Professor Emerita, University of Minnesota, School of Nursing | Kay Lytle, DNP, RN-BC, NEA-BC, CPHIMS, FHIMSS, Chief Nursing Information Officer, Duke University Health System |

Purpose
Validate previously developed information models from flowsheet data to extend national standards with nurse-sensitive data. Continuously improve and adapt knowledge model validation and creation from flowsheet data and other nurse-sensitive information. Harmonize nursing data standards across workgroups.

Current Activities
- Harmonizing nurse-sensitive data elements across workgroups
- Collaborating with the Encoding and Modeling Workgroup to add data standards (LOINC and Snomed-CT codes) to the Genitourinary Information Model
- Collaborating with the Encoding and Modeling Workgroup and CMS to add data standards to Fall Prevention Information Model (LOINC and Snomed-CT codes)
- Starting modeling on the Admission History and Screening handed off from the Transforming Documentation Workgroup
- Mapping health care organization’s data to the VTE Information model in FloMap
- Increasing generalizability of information models by inclusion of representatives from Cerner and Meditech to submit metadata for comparison of information models across EHR vendors

Need help from the Steering Committee
- Submitting materials to the eRepository – we submitted the GU Information Model and are ready to submit the Fall Prevention Information Model – but the eRepository Workgroup has not made progress in publishing the GU Model
- Need a common sharable method of sharing documents in process as some members cannot access Dropbox and others cannot access Google docs.
- How can we follow up from the workgroups based on Molly Cummings from AMIA forwarded a request for nurses to get involved in N3C - https://covid.cd2h.org/n3c

Recent and Upcoming Presentations
- Improving Care Outcomes: Start with Standardized Nursing Knowledge Information Models, (November 2, 2020, ANIA Midwest webinar), Akre, M., and Furukawa M
Published, Accepted, and Under Review Publications


Recent and Upcoming Other Products

- Completed a document on defining the role of contributing authors (see attachment at the end of this report)
- Reference Information Mode for Venous Thromboembolism (VTE) Prevention Information Model
- Plan for dissemination of our work products
- Cross Workgroup nurse-sensitive data elements
Mobile Health for Nursing Workgroup  
2020-2021 - Annual Report

Project Team:

Co-Leader:  
Melissa C.S. Breth, DNP, RN-BC, CPHIMS  
Northwest Community Healthcare, Part of NorthShore - Arlington Heights, IL

Co-Leader:  
Tami H Wyatt, PhD, RN, ANEF, FAAN  
University of Tennessee, Knoxville College of Nursing

Purpose

Explore the use of mobile health (mHealth) data by nurses including both nursing-generated data and patient-generated data. Identify and support activities and resources to address unmet needs and create opportunities to utilize mHealth data within nursing workflows.

Current Activities

● **Goal:** Promote nursing involvement in the creation, storage, and exchange of mobile health data
  ○ **Status:** Developing materials to describe nurses’ roles on research & development, product development, or product life cycle
    ■ Presentation at the HIMSS21 nursing informatics symposium
    ■ Networking resource potentially established to align Nurse Informaticists with Software Development Industry to encourage more engagement
    ■ White Paper discussing role of Nurse in mHealth including positions.
    ■ Will upload to NKBDS Repository
    ■ Scoping Review to learn the literature on nurse informaticists’ role in mHealth is in progress
    ■ Plan to publish a scoping review

● **Goal:** Survey US nurses to determine use of mobile health apps and associated tools in telehealth related to COVID-19 purposes
  ○ **Status:** worked with ANA—COVID 19 surveys to determine appropriate fit to incorporate questions in current large COVID study. Outcome: not a fit and determined nurses are being over-surveyed at this time

● **Goal:** Explore possible secondary data analysis from mHealth product of clinicians at sea in South Korea
  ○ Collaborate with the Maritime Medical Research Center (MMRC) at the Pusan National University Hospital
  ○ **Aim:** Review database content collected through Korean mobile electronic medical record software utilized by South Korean clinicians at sea
  ○ **Status:** Currently on hold with plan to restart efforts this summer

Recent and Upcoming Presentations

● Podium presentation at HIMSS21 Nursing Informatics Symposium Pre-Conference, August 9, Las Vegas: Nurse Informaticists: Bringing value throughout the product life cycle of mHealth Apps

● Poster presentation submitted to HIMSS21 Nursing Informatics Symposium Pre-Conference: The efficacy of mobile heath interventions used to manage acute or chronic pain: A systematic review
Published, Accepted, and Under Review Publications


Recent and Upcoming Other Products

- Possible published database or repository of nurse informaticists interested in mHealth product development
- Upcoming scoping review about the nurse’s role in mHealth product development to be published
- *Nurse Informaticists: Bringing value throughout the product life cycle of mHealth Apps* conference proceedings to be published
Nursing Value Workgroup
2020-2021 - Annual Report

Project Team:

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<tr>
<th>Co-Leader:</th>
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<tr>
<td>Martin Michalowski, PhD, FAMIA</td>
<td>John Deckro, DNP, RN-BC, CPHIMS</td>
</tr>
<tr>
<td>Assistant Professor, Population Health and Systems Cooperative</td>
<td>RN CIS Coordinator &amp; VA Nursing Academic Partnership (VANAP) Faculty</td>
</tr>
<tr>
<td>University of Minnesota, School of Nursing</td>
<td>VA Providence Health Care System &amp; Rhode Island College School of Nursing</td>
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Purpose
To continue development and testing of a Nursing Value Model, with respect to a broad definition as to the value of nursing. Value in reference to nursing refers to quantitative metrics such as cost and available resources, and also more holistic and qualitative metrics such as caring, engagement, connectedness and spirituality. Investigations guided by artificial intelligence methods will be explored to further define the application of nursing values in service to health and health care.

Current Activities
- Confirmed access to MIMIC database
- Continued exploration of relevant data sources (large EHR databases) for use in the development and validation of nursing value models
- Engaging inter-disciplinary methodologies/models for articulating values as an influencer in decision making
- Recruitment of members with diverse clinical, data science and analysis backgrounds
- Defining three axes of research related to Nursing Value:
  - Knowledge representation for building a Value model
  - Methodological exploration for analysis of data
  - Implementation science to deploy Value model in clinical settings
- Setting up an hour-long CE program on AI marketed to the VHA Nursing Informatics Field Council scheduled for early 2022

Grant Activity
- N/A

Recent and Upcoming Presentations
- N/A

Published, Accepted, and Under Review Publications

Recent and Upcoming Other Products
- N/A
Policy and Advocacy Workgroup  
2020-2021 - Annual Report

Project Team:

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<tr>
<th>Leader/Co-Leader:</th>
<th>Co-Leader:</th>
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| Whende M. Carroll, MSN-RN, BC, FHIMSS  
Director, Clinical Optimization, Contigo Health  
Founder, Nurse Evolution | NA |

Purpose

The mission of the Big Data Policy and Advocacy workgroup is to elevate the voice and visibility of each workgroup’s nurse-led Big Data initiatives. We will be recommending policy statements and advocacy to support the dissemination of leading-edge collateral and work products.

Current Activities

- List activities the workgroup have been engaged since 2020 conference and additional ones the workgroup is working from previous years
- Continued collaboration with the following for advocacy of the NCSBN unique nurse identifier:
  - American Medical Informatics Association (AMIA)
  - American Nurses Association (ANA)
  - Alliance for Nursing Informatics (ANI)
  - American Academy of Nursing (AAN)
  - Healthcare Information and Management Systems Society (HIMSS)
  - National Council of State Boards of Nursing (NCSBN)
  - Office of the National Coordinator (ONC)
- Seeking partnership with other workgroups to develop an Advocacy Summary/Statement – ‘Telehealth: Data empowerment for Patient Access, Integration/Interoperability, Reimbursement, Consumer Incentives, and Measuring Outcomes’
  - Policy and Advocacy Toolkit – Drafted, developing
  - Developing plan to get work products and collateral into e-Repository
  - Supporting active and potential unique nurse identifier proof-of-concept (POC) projects with the Center for Medical Interoperability, HCA Healthcare, University of Alabama – Huntsville, Epic, Kamana Health, and Microsoft.

Recent and Upcoming Presentations

- List any presentation the workgroup performed related to the workgroup work and/or mentioned the Nursing Knowledge Big Data Science Initiative
- ANI Webinar: Big Data Unique Nurse Identifier Policy Statement
- Microsoft 2021 Women in Cloud Presentation: Nurses and Big Data – The Value and Impact of Information, Knowledge, and Wisdom
- ANIA 2021 Monthly Webinar: A Unique Nurse Identifier: Demonstrating Nursing Value
- ANIA 2021 Poster: The Value of a Unique Nurse Identifier to Improve Patient Outcomes
- AONL 2021 – Small Group Discussion: Unique Nurse Identifier
- HIMSS 2021 Nursing Informatics Symposium Presentation: Understanding the Vital Role of a Unique Nurse Identifier
Published, Accepted, and Under Review Publications

- List any publication the workgroup produced related to the workgroup work and/or mentioned the Nursing Knowledge Big Data Science Initiative
- ANA American Nurse – Manuscript under review: The Fingerprint of Nursing: What a Unique Nurse Identifier Means for our Future
- Computers, Informatics, Nursing – ANI Connection – Publication: Improving Patient Outcomes Through Sharable, Comparable Nursing Data Using a Unique Nurse Identifier
- Nursing Education Perspectives – Publication: Using Nursys® as a Primary Source for Licensure Information
- NCSBN Leader-to-Leader Newsletter article: Updates on the Unique Nurse Identifier (Nurses’ NCSBN ID)
- National Academy of Medicine: The Future of Nursing 2020-2030: Charting a Path to Achieve Health Equity (2021) Recommendations for a national unique nurse identifier
- Nursing Informatics for the 21st Century – Drafting Chapter: Unique Nurse Identifier

Recent and Upcoming Other Products

- List any product/output the workgroup produced related to the workgroup work and/or mentioned the Nursing Knowledge Big Data Science Initiative
- ANI-endorsed Unique Nurse Identifier Policy Statement – Approved November 2020
- Submitted comments for USCDI v.2.0 – (Provider ID) NCSBN Unique Nurse ID – April 2021
- Collaboration with Education and connection with Nurse Value Workgroups
- Developing plan to get work products and collateral into the e-Repository
- Policy and Advocacy Roadmap
Social Determinants of Health (SDOH) Workgroup  
2020-2021 - Annual Report

Project Team:

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<tr>
<td>Robin Austin, PhD, DNP, RN-BC, FAMIA, FNAP</td>
<td>Ruth Wetta, PhD, MPH, MS, RN</td>
</tr>
<tr>
<td>Assistant Professor</td>
<td>DataInsights Lead Clinical Researcher</td>
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<tr>
<td>University of Minnesota, School of Nursing</td>
<td>Cerner</td>
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Purpose

Support the inclusion of Social Determinants of Health (SDoH) in electronic health records and digital health tools to empower nurses to partner with patients, families and communities for whole-person care.

Current Activities

- Partner in conducting pilots and projects to contribute data to the Simplified Omaha System Terms in MyStrengths+MyHealth in partnership with Karen A. Monsen, PhD, RN, FAMIA, FAAN and Robin R. Austin, PhD, DNP, RN-BC
- Contribute to the Coordination of Nurse Sensitive Data elements across workgroups
- Continue participation in the Gravity Project including development and ballot an HL7 FHIR SDOH Implementation Guide
- Continue advocacy activities for inclusion of SDOH in the 2030 Future of Nursing report and future activities. Focusing on the role of the nurse and the difference between social needs and social determinants of health, social vital signs, and the inclusion of standardized terminologies for collecting, measuring and reporting data use

Recent and Upcoming Presentations

- Holt, JM, Austin, RR, Monsen, KM (2021). Mapping Social Determinants of Health Screeners to Simplified Omaha System Terms: Patient-reported Social and Behavioral Determinants of Health and Resilience using MyStrengths+MyHealth: A Personal Health Application

Published, Accepted, and Under Review Publications


Recent and Upcoming Other Products

- **SDOH Member Survey:** To support planning efforts, a brief, six-item survey was developed by the Co-Chairs of the Nursing Big Data Social Determinants of Health (SDOH) workgroup. The survey assessed preferences for meeting times/dates and SDOH interests among workgroup members. An invitation to complete the survey was emailed in late November via Survey Monkey to available email addresses (N = 23). Sixteen members completed the survey (69.6%). Responses are summarized below
- **Meeting Time Preferences:** Preferences for meeting times and dates indicate that Tuesdays between 9-11 am during the second week of the month was the highest preference among respondents.

- **Workgroup Member Social Determinants of Health (SDOH) Interests and Practice Setting:** A survey item that assessed members’ interest in uses of SDOH data indicated that nursing practice (43.8%) as the most frequent interest area, followed by nursing research (37.5%) and policy (18.7%). An additional survey item assessed the current practice setting of respondents. Responses are listed below. Approximately 30% of the respondents work in research or analytics (29.4%), followed by teaching/academics (23.5%), clinical setting in a healthcare setting (11.8%), nursing administration/management (11.8%), and electronic health record vendor, health policy, quality improvement and population health (5.9% each).

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<table>
<thead>
<tr>
<th>Practice Setting</th>
<th>Percentage</th>
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<tbody>
<tr>
<td>Research or analytics</td>
<td>29.4%</td>
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<tr>
<td>Teaching/Academics</td>
<td>23.5%</td>
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<tr>
<td>Clinical setting within a healthcare...</td>
<td>11.8%</td>
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<tr>
<td>Nursing administration or...</td>
<td>11.8%</td>
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<tr>
<td>Electronic health record vendor</td>
<td>5.9%</td>
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<td>Health policy</td>
<td>5.9%</td>
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<tr>
<td>Quality improvement</td>
<td>5.9%</td>
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<tr>
<td>Population health</td>
<td>5.9%</td>
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Finally, respondents were asked to rank order the importance of the six uses of DoH data recommended by the National Academy of Medicine. The rank ordering of the six uses were as follows: care coordination (4.67), risk assessment and population segmentation (4.47), enhancing patient experience (3.53), secondary research and quality improvement (3.19), diagnosis and treatment (3.07) and referrals (2.4). See the figure below.

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<table>
<thead>
<tr>
<th>Use</th>
<th>Rank</th>
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<tbody>
<tr>
<td>Referrals</td>
<td>2.4</td>
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<tr>
<td>Diagnosis and treatment</td>
<td>3.07</td>
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<tr>
<td>Secondary research or quality improvement</td>
<td>3.19</td>
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<tr>
<td>Patient experience</td>
<td>3.53</td>
</tr>
<tr>
<td>Risk assessment and population sementation</td>
<td>4.47</td>
</tr>
<tr>
<td>Care Coordination</td>
<td>4.67</td>
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Transforming Documentation Workgroup  
2020-2021 - Annual Report

Project Team:

Co-Leader:  
David Boyd, DNP, RN, CNS, RN-BC, CPHIMS  
Regional Director, Nursing Informatics,  
Kaiser Permanente

Co-Leader:  
Bonnie Adrian, PhD, RN  
Research Nurse Scientist, Clinical Informatics  
UC Health

Purpose

Explore ways to decrease the nursing documentation burden and serve up the information already in the electronic health record at the right time in the workflow to support evidence-based and personalized care. Elevate purpose-driven, role-based, patient-centric, evidence-informed documentation transformation to capture nurse observations and interventions and drive purposeful secondary-use & precision nursing. Transformation supports enhanced data utilization to drive and measure improvement in patient outcomes and illuminate nursing’s value and contribution in healthcare.

The Admission History Cross-WG Task Force is charged with defining a model for Nursing Admission History for the adult patient admitted to an acute care facility for medical/surgical care. The outputs will provide the foundation for continued work in defining Nursing Admission History for other patient populations and care settings.

Current Activities

- Continue monthly WG meetings
- Delivered Nursing Admission history dataset to Information Modeling/Encoding & Modeling WGs
- Developing ‘How To’ dissemination/implementation guide/toolkit for the further work at June 2021 virtual meeting
- Engaged at least 2 major EHR vendors regarding Nursing Admission history dataset and integration plans with their core software (offering to existing and new customers) – Cerner and Epic
- Explore making permanent some documentation burden reduction efforts for pandemic response – escalate to Regulatory partners for support (e.g. CMS for Care Plan waiver)

Recent and Upcoming Presentations

- Adrian, B. “Project Joy”. Panel Presentation: Exemplar and Key Successes for the 25 By 5: Symposium to Reduce Documentation Burden on U.S. Clinicians by 75% by 2025 American Medical Informatics Association, Columbia University, Vanderbilt University, NIH National Library of Medicine), 2021
- Adrian, B. “Project Joy: Giving Time Back to Nurses for Patient Care,” co-presented with Katherine Howell, American Organization for Nursing Leadership conference scheduled for Nashville rescheduled to virtual, 2020
- Adrian, B. “Project Joy: From Taking Care of the Computer to Taking Care of Patients,” American Nursing Informatics Association Conference scheduled for Chicago rescheduled to virtual, 2020
- Adrian, B. Closing Keynote “Project Joy: Giving Time Back to Nurses by Reducing Documentation Burden” HIMSS Nursing Informatics Symposium, originally scheduled for Orlando and rescheduled to virtual, 2020
Published, Accepted, and Under Review Publications

Recent and Upcoming Other Products
● Admission History Implementation Guide