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The Untapped Potential of Nursing and Allied Health Data for Improved Representation of Social Determinants of Health and Intersectionality in Artificial Intelligence Applications: A Rapid Review

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**B. E. Dixon, J. H. Holmes**  
Special Section on Inclusive Digital Health: Notable Papers on Addressing Bias, Equity, and Literacy to Strengthen Health Systems

### Best Paper Selection

Content summaries of:

1. **Braun L, Wentz A, Baker R, Richardson E, Tsai J.**  
   Racialized algorithms for kidney function: Erasing social experience.  

   Online health information seeking, health literacy, and human papillomavirus vaccination among transgender and gender-diverse people.  
   *J Am Med Inform Assoc* 2022 Jan 12;29(2):285-95

   Integrating cultural relevance into a behavioral mHealth intervention for native American youth.  
   *Proc ACM Hum Comput Interact* 2021 Apr;5(CSCW1):165

### Section 1: Bioinformatics and Translational Informatics

**A. Tang, S. Woldemariam, J. Roger, M. Sirota**  
Translational Bioinformatics to Enable Precision Medicine for All: Elevating Equity across Molecular, Clinical, and Digital Realms

**M. L. Benton, S. P. McGrath**  
2021 Bioinformatics and Translational Informatics Best Papers

Content summaries of:

   Neuroprosthesis for decoding speech in a paralyzed person with anarthria.  

   A unified framework identifies new links between plasma lipids and diseases from electronic medical records across large-scale cohorts.  
   *Nat Genet* 2021 Jul,53(7):972-81

3. **Wei Q, Ramsey SA.**  
   Predicting chemotherapy response using a variational autoencoder approach.  
   *BMC Bioinformatics* 2021 Sep 22;22(1):453
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Survey
T. L. Chaunzwza, M. Quiles del Rey, D. S. Bitterman
Clinical Informatics Approaches to Understand and Address Cancer Disparities

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J. L. Warner, M. K. Rooney, D. Patt
Cancer Informatics 2022: Real-World Data Yields Important Insights into the Conduct of Clinical Trials and Registries

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W. O. Hackl, A. Hoerbst
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C. Daniel, X. Tannier, D. Kalra
Clinical Research Informatics

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M. Bloomrosen, E. S. Berner
Findings from the 2022 Yearbook Section on Health Information Exchange

Best Paper Selection

One country's journey to interoperability: Tanzania's experience developing and implementing a national health information exchange. BMC Med Inform Decis Mak 2021 Apr 29;21(1):139

Chen J, Amaize A, Barath D.
Evaluating telehealth adoption and related barriers among hospitals located in rural and urban areas. J Rural Health 2021 Sep;37(4):801-11

D’Amore JD, McCrery LK, Denson J, Li C, Vitale CJ, Tokachichu P, Sittig DF, McCoy AB, Wright A.
Clinical data sharing improves quality measurement and patient safety. J Am Med Inform Assoc 2021 Jul 14;28(7):1534-42

Section 8: Human Factors and Organizational Issues

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Y. Senathirajah, A. E. Solomonides
Best Papers in Human Factors and Sociotechnical Development

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Heuristic thinking and altruism toward machines in people impacted by COVID-19. iScience 2021 Mar 19;24(3):102228

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Flamholz ZN, Crane-Droesch A, Ungar LH, Weissman GE. Word embeddings trained on published case reports are lightweight, effective for clinical tasks, and free of protected health information. J Biomed Inform 2022 Jan;125:103971
Section 11: Public Health and Epidemiology Informatics

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Towards an Interoperable Ecosystem of Research Cohort and Real-world Data Catalogues Enabling Multi-center Studies

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C. Baumgartner, T. M. Deserno
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E. H. Shortliffe
Informatics as Science

Equitable Research PRAXIS: A Framework for Health Informatics Methods

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C. A. Kulikowski
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Miscellaneous

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