

## A. Solomon Henry

Affiliate, Technology & Digital Solutions

### Bio

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#### EDUCATION AND CERTIFICATIONS

- Professional ML Engineer, Google , Machine Learning, Artificial Intelligence (2023)
- Professional Data Engineer, Google , Google Cloud Platform (GCP) (2022)
- Professional Certificate, Stanford University,Stanford USA , Advanced Project Management (2006)
- Master Degree, BITS/India , Computer Science (1993)
- Bachelor Degree, TCE/University of Madras/India , Computer Science and Engineering (1990)

#### PROJECTS

- Reynolds Cardiovascular Clinical Research, Stanford University - School of Medicine, Stanford University (March 1, 2002 - December 31, 2007)
- Stanford Cancer Institute Research Database - School of Medicine, Stanford University (1/1/2012 - present)
- Bone Marrow Transplant research database (3/1/2010 - present)
- Lymphoma Program Project (LPP) - Stanford University (1/1/2007 - present)

### Publications

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#### PUBLICATIONS

- **Evaluating Tumor Burden as a Predictive Biomarker for Epidermal Growth Factor Receptor Targeted Kinase Inhibitor Therapy in Advanced Non-Small Cell Lung Cancer.** *JCO precision oncology*  
Terashima, R., Fan, J., Gunturkun, F., Nieda, G., Fan, X., Rodriguez, E. M., Tan, A. X., Thottunkal, S., Shaw, M., Su, C. C., Khan, A., Ding, V. Y., Luo, et al  
2026; 10 (4): e2500884
- **Leveraging large language models to extract smoking history from clinical notes for lung cancer surveillance.** *NPJ digital medicine*  
Luo, I., Graber-Naidich, A., Zhang, M., Kaushik, R., Nieda, G. M., Chen, T., Gu, B., Choi, E., Ding, V. Y., Gunturkun, F., Satoyoshi, M., Bhat, A., Lee, et al  
2025; 8 (1): 731
- **Automatic Abstraction of Computed Tomography Imaging Indication Using Natural Language Processing for Evaluation of Surveillance Patterns in Long-Term Lung Cancer Survivors.** *JCO clinical cancer informatics*  
Khan, A., Choi, E., Su, C., Graber-Naidich, A., Henry, S., Satoyoshi, M. L., Bhat, A., Kurian, A. W., Liang, S. Y., Neal, J., Gould, M., Leung, A., Wakelee, et al  
2025; 9: e2400279
- **Oncoshare-Lung: Novel three-way linkage of neighboring academic and community medical centers to state cancer registry for lung cancer.**  
Su, C., Choi, E., Satoyoshi, M., Bhat, A., Chen, T., Ding, V., Khan, A., Lee, T., Wu, J., Henry, S., Desai, M., Neal, J. W., Backhus, et al  
LIPPINCOTT WILLIAMS & WILKINS.2025: e23292
- **The improved prognosis of FLT3-internal tandem duplication but not tyrosine kinase domain mutations in acute myeloid leukemia in the era of targeted therapy: a realworld study using large-scale electronic health record data.** *Haematologica*  
Schwede, M., Rodriguez, G., Kennedy, V. E., Henry, S., Wood, D., Mannis, G. N., Majeti, R., Chen, J. H., Bendavid, E., Zhang, T. Y.  
2025

- **Harnessing Artificial Intelligence for Risk Stratification in Acute Myeloid Leukemia (AML): Evaluating the Utility of Longitudinal Electronic Health Record (EHR) Data Via Graph Neural Networks**  
Sinha, R., Schwede, M., Ben Viggiano, Kuo, D., Henry, S., Wood, D., Mannis, G., Majeti, R., Chen, J., Zhang, T. Y.  
AMER SOC HEMATOLOGY.2023
- **The Shifting Prognosis of FLT3 Mutations in Acute Myeloid Leukemia in the Era of Targeted Therapy: A Real-World Study Using Large-Scale Electronic Health Record Data**  
Schwede, M., Rodriguez, G., Henry, S., Wood, D., Mannis, G., Majeti, R., Chen, J., Bendavid, E., Zhang, T. Y.  
AMER SOC HEMATOLOGY.2023
- **Overall Survival Among Patients With De Novo Stage IV Metastatic and Distant Metastatic Recurrent Non-Small Cell Lung Cancer.** *JAMA network open*  
Su, C. C., Wu, J. T., Choi, E., Myall, N. J., Neal, J. W., Kurian, A. W., Stehr, H., Wood, D., Henry, S. M., Backhus, L. M., Leung, A. N., Wakelee, H. A., Han, et al  
2023; 6 (9): e2335813
- **A hybrid modelling approach for abstracting CT imaging indications by integrating natural language processing from radiology reports with structured data from electronic health records.**  
Khan, A., Wu, J., Choi, E., Graber-Naidich, A., Henry, S., Wakelee, H. A., Kurian, A. W., Liang, S., Leung, A., Langlotz, C., Backhus, L. M., Han, S. S.  
AMER ASSOC CANCER RESEARCH.2023
- **Predictive Model to Guide Brain Magnetic Resonance Imaging Surveillance in Patients With Metastatic Lung Cancer: Impact on Real-World Outcomes.** *JCO precision oncology*  
Wu, J., Ding, V., Luo, S., Choi, E., Hellyer, J., Myall, N., Henry, S., Wood, D., Stehr, H., Ji, H., Nagpal, S., Hayden Gephart, M., Wakelee, et al  
2022; 6: e2200220
- **Accuracy of Electronic Medical Record Follow-Up Data for Estimating the Survival Time of Patients With Cancer.** *JCO clinical cancer informatics*  
Gensheimer, M. F., Narasimhan, B., Henry, A. S., Wood, D. J., Rubin, D. L.  
2022; 6: e2200019
- **Patterns in cancer management changes for patients with COVID-19 in northern California.**  
Glover, M., Wu, J., Kwon, D. H., Zhang, S., Henry, S., Wood, D., Rubin, D., Borno, H., Small, E., Schapira, L., Koshkin, V. S., Shah, S.  
LIPPINCOTT WILLIAMS & WILKINS.2021
- **Reply to R. Kebudi et al.** *JCO oncology practice*  
Tsu-Yu Wu, J., Kwon, D. H., Glover, M., Henry, S., Wood, D., Rubin, D., Koshkin, V., Schapira, L., Shah, S. A.  
2021: OP2100105
- **Natural Language Processing to Identify Cancer Treatments With Electronic Medical Records.** *JCO clinical cancer informatics*  
Zeng, J., Banerjee, I., Henry, A. S., Wood, D. J., Shachter, R. D., Gensheimer, M. F., Rubin, D. L.  
2021; 5: 379–93
- **Evaluation of Absolute Lymphocyte Count at Diagnosis and Mortality Among Patients With Localized Bone or Soft Tissue Sarcoma.** *JAMA network open*  
Brewster, R., Purington, N., Henry, S., Wood, D., Ganjoo, K., Bui, N.  
2021; 4 (3): e210845
- **Impact of COVID-19 on breast cancer care at a Bay Area academic center**  
Wu, J., Bobo, S., Henry, S., Mills, M., Kurian, A., Dirbas, F.  
AMER ASSOC CANCER RESEARCH.2021
- **Utility of Routine Surveillance Laboratory Testing in Detecting Relapse in Patients With Classic Hodgkin Lymphoma in First Remission: Results From a Large Single-Institution Study.** *JCO oncology practice*  
Lynch, R. C., Sundaram, V., Desai, M., Henry, S., Wood, D., Daadi, S., Hoppe, R. T., Advani, R.  
2020: JOP1900733
- **Computing the Cost of Care Per Day for Patients With Metastatic NETs**  
Gupta, D., Kappahn, K., Qin, F., Hornbacker, K., Henry, S., Wood, D., Blayney, D., Kunz, P.  
LIPPINCOTT WILLIAMS & WILKINS.2020: 470

- **Automated model versus treating physician for predicting survival time of patients with metastatic cancer.** *Journal of the American Medical Informatics Association : JAMIA*  
Gensheimer, M. F., Aggarwal, S. n., Benson, K. R., Carter, J. N., Henry, A. S., Wood, D. J., Soltys, S. G., Hancock, S. n., Pollom, E. n., Shah, N. H., Chang, D. T.  
2020
- **Changes in Cancer Management due to COVID-19 Illness in Patients with Cancer in Northern California.** *JCO oncology practice*  
Wu, J. T., Kwon, D. H., Glover, M. J., Henry, S. n., Wood, D. n., Rubin, D. L., Koshkin, V. S., Schapira, L. n., Shah, S. A.  
2020: OP2000790
- **Automated Survival Prediction in Metastatic Cancer Patients Using High-Dimensional Electronic Medical Record Data** *JNCI-JOURNAL OF THE NATIONAL CANCER INSTITUTE*  
Gensheimer, M. F., Henry, A., Wood, D. J., Hastie, T. J., Aggarwal, S., Dudley, S. A., Pradhan, P., Banerjee, I., Cho, E., Ramchandran, K., Pollom, E., Koong, A. C., Rubin, et al  
2019; 111 (6): 568–74
- **Natural Disease History, Outcomes, and Co-mutations in a Series of Patients With BRAF-Mutated Non-small-cell Lung Cancer** *CLINICAL LUNG CANCER*  
Myall, N. J., Henry, S., Wood, D., Neal, J. W., Han, S. S., Padda, S. K., Wakelee, H. A.  
2019; 20 (2): E208–E217
- **Dynamin impacts homology-directed repair and breast cancer response to chemotherapy** *JOURNAL OF CLINICAL INVESTIGATION*  
Chernikova, S. B., Nguyen, R. B., Truong, J. T., Mello, S. S., Stafford, J. H., Hay, M. P., Olson, A., Solow-Cordero, D. E., Wood, D. J., Henry, S., von Eyben, R., Deng, L., Gephart, et al  
2018; 128 (12): 5307–21
- **No Utility of Routine Laboratory Testing during Surveillance in Detecting Relapse in Patients with Classic Hodgkin Lymphoma in First Remission**  
Lynch, R. C., Sundaram, V., Desai, M., Henry, S., Wood, D., Daadi, S., Corbelli, K. S., Rosenberg, S., Hoppe, R. T., Advani, R.  
AMER SOC HEMATOLOGY.2018
- **Natural Disease History, Outcomes, and Co-mutations in a Series of Patients With BRAF-Mutated Non-small-cell Lung Cancer.** *Clinical lung cancer*  
Myall, N. J., Henry, S., Wood, D., Neal, J. W., Han, S. S., Padda, S. K., Wakelee, H. A.  
2018
- **Automated Survival Prediction in Metastatic Cancer Patients Using High-Dimensional Electronic Medical Record Data.** *Journal of the National Cancer Institute*  
Gensheimer, M. F., Henry, A. S., Wood, D. J., Hastie, T. J., Aggarwal, S., Dudley, S. A., Pradhan, P., Banerjee, I., Cho, E., Ramchandran, K., Pollom, E., Koong, A. C., Rubin, et al  
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- **Retrospective comparison of the clinical effects of programmed death protein 1 inhibitors to treat melanoma versus nonmelanoma skin cancer**  
Jin, M., Li, S., Duy Tran, Henry, S., Wood, D., Chang, A.  
MOSBY-ELSEVIER.2018: AB246
- **Probabilistic Prognostic Estimates of Survival in Metastatic Cancer Patients (PPES-Met) Utilizing Free-Text Clinical Narratives.** *Scientific reports*  
Banerjee, I., Gensheimer, M. F., Wood, D. J., Henry, S., Aggarwal, S., Chang, D. T., Rubin, D. L.  
2018; 8 (1): 10037
- **Probabilistic Prognostic Estimates of Survival in Metastatic Cancer Patients (PPES-Met) Utilizing Free-Text Clinical Narratives** *SCIENTIFIC REPORTS*  
Banerjee, I., Gensheimer, M., Wood, D. J., Henry, S., Aggarwal, S., Chang, D. T., Rubin, D. L.  
2018; 8
- **Decreased lymphocyte count at diagnosis as a marker for worse outcome in localized sarcoma.**  
Bui, N., Henry, S., Ganjoo, K. N.  
AMER SOC CLINICAL ONCOLOGY.2018

- **Dynamin impacts homology-directed repair and breast cancer response to chemotherapy.** *The Journal of clinical investigation*  
Chernikova, S. B., Nguyen, R. B., Truong, J. T., Mello, S. S., Stafford, J. H., Hay, M. P., Olson, A. n., Solow-Cordero, D. E., Wood, D. J., Henry, S. n., von Eyben, R. n., Deng, L. n., Gephart, et al  
2018
- **An 18-year retrospective study on the outcomes of keratoacanthomas with different treatment modalities at a single academic center**  
Duy Tran, Li, S., Henry, S., Wood, D., Chang, A.  
MOSBY-ELSEVIER.2017: AB39
- **A natural language processing algorithm to measure quality prostate cancer care.**  
Hernandez-Boussard, T., Kourdis, P., Dulal, R., Ferrari, M., Henry, S., Seto, T., McDonald, K., Blayney, D. W., Brooks, J. D.  
AMER SOC CLINICAL ONCOLOGY.2017
- **Chart Review Versus an Automated Bioinformatic Approach to Assess Real-World Crizotinib Effectiveness in Anaplastic Lymphoma Kinase-Positive Non-Small-Cell Lung Cancer** *JCO: Clinical Cancer Informatics*  
Bui, N., Henry, S., Wood, D., Wakelee, H. A., Neal, J. W.  
2017
- **Third party assessment of resection margin status in head and neck cancer** *ORAL ONCOLOGY*  
Ransohoff, A., Wood, D., Henry, A. S., Divi, V., Colevas, A.  
2016; 57: 27-31
- **Increased Risk of Cutaneous Squamous Cell Carcinoma After Vismodegib Therapy for Basal Cell Carcinoma** *JAMA DERMATOLOGY*  
Mohan, S. V., Chang, J., Li, S., Henry, A. S., Wood, D. J., Chang, A. L.  
2016; 152 (5): 527-532
- **Third party assessment of resection margin status in head and neck cancer.**  
Ransohoff, A., Wood, D., Henry, S., Divi, V., Colevas, A.  
AMER SOC CLINICAL ONCOLOGY.2015
- **Third party assessment of resection margin status in head and neck cancer.** *Journal of Clinical Oncology, 2015 ASCO Annual Meeting (May 29 - June 2, 2015)*  
Ransohoff, A., Wood, D., Henry, S., Divi, V., Colevas, A.  
2015; Vol 33
- **Referral trends for reproductive-age patients with breast cancer to a reproductive endocrinology clinic for fertility preservation counseling between 2004 and 2012.**  
Kort, J., Seiger, K., Henry, S., Westphal, L.  
AMER SOC CLINICAL ONCOLOGY.2013
- **New models and online calculator for predicting non-sentinel lymph node status in sentinel lymph node positive breast cancer patients** *BMC CANCER*  
Kohrt, H. E., Olshen, R. A., Bermas, H. R., Goodson, W. H., Wood, D. J., Henry, S., Rouse, R. V., Bailey, L., Philben, V. J., Dirbas, F. M., Dunn, J. J., Johnson, D. L., Wapnir, et al  
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