

Reviewed	Title	Authors	Year	Journal	DOI	Exclusion reason
April 2020	Toward Automatic Anxiety Detection in Autism: A Real-Time Algorithm for Detecting Physiological Arousal in the Presence of Motion	A. Puli; A. Kushki	2020	IEEE Transactions on Biomedical Engineering	10.1109/TBME.2019.2919273	Non-cardiology focus
April 2020	CARE TRAJECTORY AND EARLY CLINICAL FEATURES AMONG PATIENTS WITH 99MTC-PYROPHOSPHATE POSITIVE TRANSTHYRETIN AMYLOID CARDIOMYOPATHY (ATTR-CM)	Abboud A.; Camacho A.; Nguonly A.; Fiseha N.; Bean A.; Osborne M.T.; Ibrahim N.E.; McCarthy C.P.; Tawakol A.; Ruberg F.L.; Sadjadi R.; David W.S.; Lewis G.D.; Januzzi J.L.; Gaggin H.	2020	Journal of the American College of Cardiology	http://dx.doi.org/10.1016/S0735-1097%2820%2931447-9	Abstract only
April 2020	A fully automatic cardiac segmentation method using region growing technique	Abdelaziz Daoudi; Said Mahmoudi	2016	Proceedings of the Mediterranean Conference on Pattern Recognition and Artificial Intelligence	10.1145/3038884.3038901	Abstract only
April 2020	Spectroscopic Properties of Blood for Pulse Oximeter Design	Abeera Vaqar; Intisar Rizwan I. Haque; Tahir Zaidi	2019	Proceedings of the 2019 9th International Conference on Biomedical Engineering and Technology	10.1145/3326172.3326205	No NLP focus/details

April 2020	PREVALENCE OF TRANSTHYRETIN CARDIAC AMYLOIDOSIS IN HEART FAILURE WITH PRESERVED EJECTION FRACTION: A POPULATION BASED STUDY	Abou-Ezzeddine O.F.; Davies D.; Sexton J.A.; Scott C.G.; Fayyaz A.; Akhiyat N.; Stromme T.A.; Askew J.W.; McKie P.; Noseworthy P.; Dunlay S.; Borlaug B.; Chareonthaitawee P.; Johnson G.; Dispenzieri A.; Grogan M.; Redfield M.M.	2020	Journal of the American College of Cardiology	http://dx.doi.org/10.1016/S0735-1097%2820%2931318-8	Abstract only
April 2020	A method for cohort selection of cardiovascular disease records from an electronic health record system.	Abrahao MTF.; Nobre MRC.; Gutierrez MA.	2017	International journal of medical informatics	10.1016/j.ijmedinf.2017.03.015	No NLP focus/details
April 2020	R-Peak Detection in ECG Images using Matlab-Æ	Aditya Verma; Kakanuru Siva Teja; Viraj Puntambekar; G. K. Rajini	2018	Proceedings of the 2nd International Conference on Advances in Image Processing	10.1145/3239576.3239600	No NLP focus/details
April 2020	Natural language processing of clinical notes for identification of critical limb ischemia.	Afzal N.; Mallipeddi VP.; Sohn S.; Liu H.; Chaudhry R.; Scott CG.; Kullo IJ.; Arruda-Olson AM.	2018	International journal of medical informatics	10.1016/j.ijmedinf.2017.12.024	Non-cardiology focus

April 2020	Identifying Peripheral Arterial Disease Cases Using Natural Language Processing of Clinical Notes.	Afzal N.; Sohn S.; Abram S.; Liu H.; Kullo IJ.; Arruda-Olson AM.	2016	... IEEE-EMBS International Conference on Biomedical and Health Informatics. IEEE EMBS International Conference on Biomedical and Health Informatics	10.1109/BHI.2016.7455851	Non-cardiology focus
April 2020	Mining peripheral arterial disease cases from narrative clinical notes using natural language processing.	Afzal N.; Sohn S.; Abram S.; Scott CG.; Chaudhry R.; Liu H.; Kullo IJ.; Arruda-Olson AM.	2017	Journal of vascular surgery	10.1016/j.jvs.2016.11.031	Non-cardiology focus
April 2020	Surveillance of Peripheral Arterial Disease Cases Using Natural Language Processing of Clinical Notes.	Afzal N.; Sohn S.; Scott CG.; Liu H.; Kullo IJ.; Arruda-Olson AM.	2017	AMIA Joint Summits on Translational Science proceedings. AMIA Joint Summits on Translational Science		Non-cardiology focus
April 2020	Voice of cancer patients: Patient experience regarding use of tyrosine kinase inhibitors in chronic myeloid leukemia	Aggarwal S.; Manish S.; Chaudhary G.; Aggarwal A.; Punetha H.; Jha J.; Gond R.K.	2019	Blood	http://dx.doi.org/10.1182/blood-2019-125195	Non-cardiology focus
April 2020	Computational complexity of the accessory function setting mechanism in fuzzy intellectual systems	Ahmad, M.A.; Tvoroshenko, I.; Baker, J.H.; Lyashenko, V.	2019	International Journal of Advanced Trends in Computer Science and Engineering	10.30534/ijatcs/2019/77852019	Non-cardiology focus

April 2020	Mobile Sensing of Alertness, Sleep and Circadian Rhythm: Hardware & Software Platforms	Akane Sano; Tauhidur Rahman; Mi Zhang; Deepak Ganesan; Tanzeem Choudhury	2020	GetMobile: Mobile Comp. and Comm.	10.1145/3379092.3379100	Non-cardiology focus
April 2020	A corpus of potentially contradictory research claims from cardiovascular research abstracts.	Alamri A.; Stevenson M.	2016	Journal of biomedical semantics	10.1186/s13326-016-0083-z	No NLP focus/details
April 2020	Noise-Tolerant Neural Network Approach for Electrocardiogram Signal Classification	Alberto Ochoa; Luis J. Mena; Vanessa G. Felix	2017	Proceedings of the International Conference on Compute and Data Analysis	10.1145/3093241.3093269	No NLP focus/details
April 2020	ECG Monitoring and Anomaly Detection Based on Compressed Measurements	Alessandra Galli; Claudio Narduzzi; Giada Giorgi	2018	Proceedings of the 2018 3rd International Conference on Biomedical Imaging, Signal Processing	10.1145/3288200.3288206	No NLP focus/details
April 2020	Phyjama: Physiological Sensing via Fiber-enhanced Pyjamas	Ali Kiaghadi; Seyedeh Zohreh Homayounfar; Jeremy Gummeson; Trisha Andrew; Deepak Ganesan	2019	Proc. ACM Interact. Mob. Wearable Ubiquitous Technol.	10.1145/3351247	No NLP focus/details
April 2020	Mapping Phenotypic Information in Heterogeneous Textual Sources to a Domain-Specific Terminological Resource.	Alnazzawi N.; Thompson P.; Ananiadou S.	2016	PLoS one	10.1371/journal.pone.0162287	Included
April 2020	Using text mining techniques to extract phenotypic information from the PhenoCHF corpus.	Alnazzawi N.; Thompson P.; Batista-Navarro R.; Ananiadou S.	2015	BMC medical informatics and decision making	10.1186/1472-6947-15-S2-S3	Similar study

April 2020	Captioning Ultrasound Images Automatically.	Alsharid M.; Sharma H.; Drukker L.; Chatelain P.; Papageorgiou AT.; Noble JA.	2019	Medical image computing and computer-assisted intervention : MICCAI ... International Conference on Medical Image Computing and Computer-Assisted Intervention	10.1007/978-3-030-32251-9_37	Non-cardiology focus
April 2020	Heart and sole - shoe-based heart monitoring: demo abstract	Amelie Bonde; Shijia Pan; Hae Young Noh; Pei Zhang	2017	Proceedings of the 16th ACM/IEEE International Conference on Information Processing in Sensor Networks	10.1145/3055031.3055048	No NLP focus/details
April 2020	Trends in carotid imaging in the va health system following choosing wisely: An interrupted time series analysis	Anderson T.; Madden E.; Zhang S.J.; Mowery D.; Chapman W.; Keyhani S.	2018	Circulation: Cardiovascular Quality and Outcomes		Abstract only
April 2020	CardioSounds: Real-time Auditory Assistance for Supporting Cardiac Diagnostic and Monitoring	Andrea Lorena Aldana Blanco; Steffen Grautoff; Thomas Hermann	2017	Proceedings of the 12th International Audio Mostly Conference on Augmented and Participatory Sound and Music Experiences	10.1145/3123514.3123542	No NLP focus/details

April 2020	Editorial	Anonymous.	2016	Computer Methods and Programs in Biomedicine	http://dx.doi.org/10.1016/S0169-2607(2016)930568-5	Review/perspective article
April 2020	Heartbeat classification in wearables using multi-layer perceptron and time-frequency joint distribution of ECG	Anup Das; Francky Catthoor; Siebren Schaafsma	2018	Proceedings of the 2018 IEEE/ACM International Conference on Connected Health: Applications, Systems and Engineering Technologies	10.1145/3278576.3278598	No NLP focus/details
April 2020	Data-driven Healthcare using Affordable Sensing: Screening, Diagnosis and Therapy	Arpan Pal	2016	Proceedings of the First Workshop on IoT-enabled Healthcare and Wellness Technologies and Systems	10.1145/2933566.2936014	Non-cardiology focus
April 2020	Clinical evaluation of generative model based monitoring and comparison with compressive sensing	Ayan Banerjee; Sandeep K. S. Gupta	2015	Proceedings of the conference on Wireless Health	10.1145/2811780.2811946	Non-cardiology focus
April 2020	APDRChain: ANN Based Predictive Analysis of Diseases and Report Sharing Through Blockchain	Bagchi, S.; Chakraborty, M.; Chattopadhyay, A.K.	2020	Advances in Intelligent Systems and Computing	10.1007/978-981-15-0361-0_8	No NLP focus/details
April 2020	Bridging the Global Digital Health Divide for Cardiovascular Disease.	Banerjee A.	2017	Circulation. Cardiovascular quality and outcomes	10.1161/CIRCOUTCOMES.117.004297	No NLP focus/details

April 2020	Semantic computational analysis of anticoagulation use in atrial fibrillation from real world data.	Bean DM.; Teo J.; Wu H.; Oliveira R.; Patel R.; Bendayan R.; Shah AM.; Dobson RJB.; Scott PA.	2019	PloS one	10.1371/journal.pone.0225625	Included
April 2020	Proton pump inhibitor use is positively associated with incidence of cardiovascular disease	Bell E.J.; St Sauver J.L.; Folsom A.R.; Larson N.B.; Liu H.; Wang L.; Turner S.; Bielinski S.J.	2017	Pharmacoepidemiology and Drug Safety	http://dx.doi.org/10.1002/pds.4275	Abstract only
April 2020	Proton pump inhibitor use is positively associated with incidence of cardiovascular disease	Bell E.J.; St Sauver J.L.; Roger V.L.; Larson N.B.; Liu H.; Wang L.; Turner S.; Bielinski S.J.	2017	Circulation		Abstract only
April 2020	A robust automated left ventricle region of interest localization technique using a cardiac cine MRI atlas	Ben-Zikri, Y.K.; Linte, C.A.	2016	Progress in Biomedical Optics and Imaging - Proceedings of SPIE	10.1117/12.2217885	No NLP focus/details
April 2020	atmoSphere: mindfulness over haptic-audio cross modal correspondence	Benjamin Tag; Takuya Goto; Kouta Minamizawa; Ryan Mannschreck; Haruna Fushimi; Kai Kunze	2017	Proceedings of the 2017 ACM International Joint Conference on Pervasive and Ubiquitous Computing and Proceedings of the 2017 ACM International Symposium on Wearable Computers	10.1145/3123024.3123190	No NLP focus/details
April 2020	Artificial intelligence for diabetes case management: The intersection of physical and mental health	Bennett C.C.	2019	Informatics in Medicine Unlocked	http://dx.doi.org/10.1016/j.imu.2019.100191	Non-cardiology focus
April 2020	Artificial Intelligence for Diabetes Case Management: The Intersection of Physical and Mental Health	Bennett, Casey C.	2018	arXiv pre-print		Duplicate

April 2020	EP1.18-12 The Neutrophil and Platelet to Lymphocyte Ratios and Glasgow Prognostic Score as a Predictor for Relapse After Stereotactic Radiation for Lung Cancer	Berg J.; Lindberg M.; Bengtson M.; Brustugun O.T.; Helland A.	2019	Journal of Thoracic Oncology	http://dx.doi.org/10.1016/j.jtho.2019.08.245 7	Non-cardiology focus
April 2020	Opportunities, Threats and Future Directions in Big Data for Medical Wearables	Berna Seref; Erkan Bostanci	2016	Proceedings of the International Conference on Big Data and Advanced Wireless Technologies	10.1145/3010089.3010100	No NLP focus/details
April 2020	A Robust e-Epidemiology Tool in Phenotyping Heart Failure with Differentiation for Preserved and Reduced Ejection Fraction: the Electronic Medical Records and Genomics (eMERGE) Network.	Bielinski SJ.; Pathak J.; Carrell DS.; Takahashi PY.; Olson JE.; Larson NB.; Liu H.; Sohn S.; Wells QS.; Denny JC.; Rasmussen-Torvik LJ.; Pacheco JA.; Jackson KL.; Lesnick TG.; Gullerud RE.; Decker PA.; Pereira NL.; Ryu E.; Dart RA.; Peissig P.; Linneman JG.; Jarvik GP.; Larson EB.; Bock JA.; Tromp GC.; de Andrade M.; Roger VL.	2015	Journal of cardiovascular translational research	10.1007/s12265-015-9644-2	Included
April 2020	NON-LINEAR IS NOT SUPERIOR TO LINEAR AEROBIC PERIODIZATION IN CORONARY PATIENTS	Boidin M.; Trachsel L.; Nigam A.; Juneau M.; Tremblay J.; M Gayda	2019	Canadian Journal of Cardiology	http://dx.doi.org/10.1016/j.cjca.2019.07.194	No NLP focus/details
April 2020	Non-linear is not superior to linear aerobic training periodization in coronary heart disease patients.	Boidin M.; Trachsel LD.; Nigam A.; Juneau M.; Tremblay J.; Gayda M.	2019	European journal of preventive cardiology	10.1177/2047487319891778	No NLP focus/details
April 2020	A connecting system for cardiological lexicons.	Bonacina S.; Marceglia S.; Pinello V.; Magni S.; Pincioli F.	2015	Studies in health technology and informatics		Non-cardiology focus

April 2020	Improving Refill Adherence in Medicare Patients With Tailored and Interactive Mobile Text Messaging: Pilot Study.	Brar Prayaga R.; Jeong EW.; Feger E.; Noble HK.; Kmiec M.; Prayaga RS.	2018	JMIR mHealth and uHealth	10.2196/mhealth.8930	No NLP focus/details
April 2020	Canadian Cardiovascular Society (CCS) angina classification extracted from clinical notes by natural language processing: Validation and association with healthcare utilization in an integrated health	Bress A.; Dodson J.D.; Sauer B.S.; Patterson O.P.; Alba P.A.; Duvall S.D.; Crook J.C.; Reese T.R.; Nelson R.N.; Lafleur J.L.	2016	European Heart Journal	http://dx.doi.org/10.1093/eurheartj/ehw433	Abstract only
April 2020	The Emergence and Collapse of Knowledge Boundaries	Broniatowski, D.A.; Magee, C.L.	2017	IEEE Transactions on Engineering Management	10.1109/TEM.2017.2677744	No NLP focus/details
April 2020	Big Data in Drug Discovery.	Brown N.; Cambuzzi J.; Cox PJ.; Davies M.; Dunbar J.; Plumbley D.; Sellwood MA.; Sim A.; Williams-Jones Bl.; Zwierzyna M.; Sheppard DW.		Progress in medicinal chemistry	10.1016/bs.pmch.2017.12.003	Non-cardiology focus
April 2020	Intelligent Control based on Fuzzy logic embedded in FPGA applied in Ventricular Assist Devices (VADs)	Bruno Santos; Tarcisio LeVeo; Eduardo Bock	2019	Proceedings of the 2019 4th International Conference on Robotics, Control and Automation	10.1145/3351180.3351198	Non-English
April 2020	Coronary Artery Motion Tracking Using Landmark Guided Point Set Registration	Bu Xu; Lisheng Xu; Ying Kang; Along Song; Bin Wang; Lu Wang; Benqiang Yang	2019	Proceedings of the Third International Symposium on Image Computing and Digital Medicine	10.1145/3364836.3364875	No NLP focus/details

April 2020	Automatic prediction of coronary artery disease from clinical narratives.	Buchan K.; Filannino M.; Uzuner vñ.	2017	Journal of biomedical informatics	10.1016/j.jbi.2017.06.019	Non-cardiology focus
April 2020	Automatically finding relevant citations for clinical guideline development.	Bui DD.; Jonnalagadda S.; Del Fiol G.	2015	Journal of biomedical informatics	10.1016/j.jbi.2015.09.003	Non-cardiology focus
April 2020	Tiling-Based Programming Model for Structured Grids on GPU Clusters	Burak Bastem; Didem Unat	2020	Proceedings of the International Conference on High Performance Computing in Asia-Pacific Region	10.1145/3368474.3368485	No NLP focus/details
April 2020	EXTRaction of EMR numerical data: an efficient and generalizable tool to EXTEND clinical research.	Cai T.; Zhang L.; Yang N.; Kumamaru KK.; Rybicki FJ.; Cai T.; Liao KP.	2019	BMC medical informatics and decision making	10.1186/s12911-019-0970-1	Non-cardiology focus
April 2020	Antemortem Prediction of Braak Stage.	Carlson JO.; Gatz M.; Pedersen NL.; Graff C.; Nennesmo I.; Lindstrøm AK.; Gerritsen L.	2015	Journal of neuropathology and experimental neurology	10.1097/NEN.000000000000251	Non-cardiology focus
April 2020	Pragmatic considerations for fostering reproducible research in artificial intelligence.	Carter RE.; Attia ZI.; Lopez-Jimenez F.; Friedman PA.	2019	NPJ digital medicine	10.1038/s41746-019-0120-2	Non-cardiology focus
April 2020	A weighty issue: Gender disparities in bariatric surgery counseling	Chang L.-S.; Malmasi S.; Hosomura N.; Zhang H.; Lei V.; Rubin A.; Ting C.; Tong K.; Turchin A.	2017	Surgery for Obesity and Related Diseases		Non-cardiology focus
April 2020	A context-aware approach for progression tracking of medical concepts in electronic medical records.	Chang NW.; Dai HJ.; Jonnagaddala J.; Chen CW.; Tsai RT.; Hsu WL.	2015	Journal of biomedical informatics	10.1016/j.jbi.2015.09.013	Duplicate
April 2020	A context-aware approach for progression tracking of medical concepts in electronic medical records	Chang, N.-W.; Dai, H.-J.; Jonnagaddala, J.; Chen, C.-W.; Tsai, R.T.H.; Hsu, W.-L.	2015	Journal of Biomedical Informatics	10.1016/j.jbi.2015.09.013	Non-cardiology focus

April 2020	Tactile sensor for cardiovascular catheters	Chao-Hsien Huang; Cheng-Hung Shih; Nai-Jun An	2016	Proceedings of the 3rd International Conference on Biomedical and Bioinformatics Engineering	10.1145/3022702.3022710	No NLP focus/details
April 2020	Innovative Informatics Approaches for Peripheral Artery Disease: Current State and Provider Survey of Strategies for Improving Guideline-Based Care.	Chaudhry AP.; Afzal N.; Abidian MM.; Mallipeddi VP.; Elayavilli RK.; Scott CG.; Kullo IJ.; Wennberg PW.; Pankratz JJ.; Liu H.; Chaudhry R.; Arruda-Olson AM.	2018	Mayo Clinic proceedings. Innovations, quality & outcomes	10.1016/j.mayocpiqo.2018.02.001	Non-cardiology focus
April 2020	An automatic system to identify heart disease risk factors in clinical texts over time.	Chen Q.; Li H.; Tang B.; Wang X.; Liu X.; Liu Z.; Liu S.; Wang W.; Deng Q.; Zhu S.; Chen Y.; Wang J.	2015	Journal of biomedical informatics	10.1016/j.jbi.2015.09.002	Duplicate
April 2020	An automatic system to identify heart disease risk factors in clinical texts over time	Chen Q.; Li H.; Tang B.; Wang X.; Liu X.; Liu Z.; Liu S.; Wang W.; Deng Q.; Zhu S.; Chen Y.; Wang J.	2015	Journal of Biomedical Informatics	http://dx.doi.org/10.1016/j.jbi.2015.09.002	Non-cardiology focus
April 2020	Mortality in patients with chronic pancreatitis in a diverse integrated healthcare setting	Chen Q.; Wu B.U.	2019	Pancreas	http://dx.doi.org/10.1097/MPA.00000000000001419	Non-cardiology focus
April 2020	Breeze: Smartphone-based Acoustic Real-time Detection of Breathing Phases for a Gamified Biofeedback Breathing Training	Chen-Hsuan Shih; Naofumi Tomita; Yanick X. Lukic; vÁlvaro HernV°ndez Reguera; Elgar Fleisch; Tobias Kowatsch	2019	Proc. ACM Interact. Mob. Wearable Ubiquitous Technol.	10.1145/3369835	Non-cardiology focus

April 2020	Digitally assisted analog front-end power management strategy via dynamic reconfigurability for robust heart rate monitoring	Chengzhi Zong; Somok Mondal; Drew A. Hall; Roozbeh Jafari	2015	SIGBED Rev.	10.1145/2815482.2815489	No NLP focus/details
April 2020	Machine Learning-Based Prediction of Korean Triage and Acuity Scale Level in Emergency Department Patients.	Choi SW.; Ko T.; Hong KJ.; Kim KH.	2019	Healthcare informatics research	10.4258/hir.2019.25.4.305	Non-cardiology focus
April 2020	Cause-specific premature death from ambient PM2.5 exposure in India: Estimate adjusted for baseline mortality.	Chowdhury S.; Dey S.	2016	Environment international	10.1016/j.envint.2016.03.004	No NLP focus/details
April 2020	Cause-specific premature death from ambient PM _{2.5} exposure in India: Estimate adjusted for baseline mortality	Chowdhury, S.; Dey, S.	2016	Environment International	10.1016/j.envint.2016.03.004	Duplicate
April 2020	A Comprehensive Approach to Decision Aids Supporting Shared Decision Making in Cardiac Rehabilitation	Cindel Bonneux; Gustavo Rovelo; Paul Dendale; Karin Coninx	2019	Proceedings of the 13th EAI International Conference on Pervasive Computing Technologies for Healthcare	10.1145/3329189.3329241	Non-cardiology focus
April 2020	Transitioning self-regulated learning profiles in hypermedia-learning environments	Clarissa Lau; Jeanne Sinclair; Michelle Taub; Roger Azevedo; Eunice Eunhee Jang	2017	Proceedings of the Seventh International Learning Analytics & Knowledge Conference	10.1145/3027385.3027443	Non-cardiology focus
April 2020	PULSANTE: Integrating Anatomy Lessons into the Artistic Process	Claudia Nájuez-Pacheco; Jorge Olivares-Retamal	2020	Proceedings of the Fourteenth International Conference on Tangible, Embedded, and Embodied Interaction	10.1145/3374920.3375295	Non-cardiology focus
April 2020	Agile text mining for the 2014 i2b2/UTHealth Cardiac risk factors challenge	Cormack J.; Nath C.; Milward D.; Raja K.; Jonnalagadda S.R.	2015	Journal of Biomedical Informatics	http://dx.doi.org/10.1016/j.jbi.2015.06.030	Non-cardiology focus

April 2020	Agile text mining for the 2014 i2b2/UTHealth Cardiac risk factors challenge.	Cormack J.; Nath C.; Milward D.; Raja K.; Jonnalagadda SR.	2015	Journal of biomedical informatics	10.1016/j.jbi.2015.06.030	Duplicate
April 2020	Electronic health records (EHRs) data validation in atherosclerotic/cardiovascular clinical phenotypes	Cruz N.; Serrano M.; Lopez A.; Medrano I.H.; Lozano J.; Coll B.	2019	European Heart Journal	http://dx.doi.org/10.1093/eurheartj/ehz747 .0191	Abstract only
April 2020	Research on Risk Prediction of Dyslipidemia in Steel Workers Based on Recurrent Neural Network and LSTM Neural Network	Cui, S.; Li, C.; Chen, Z.; Wang, J.; Yuan, J.	2020	IEEE Access	10.1109/ACCESS.2020.2974887	No NLP focus/details
April 2020	UTILIZATION OF GUIDELINE-DIRECTED DEVICE THERAPIES IN HEART FAILURE PATIENTS: A REAL-WORLD ANALYSIS USING ELECTRONIC HEALTH RECORD DATA	Curtis A.B.; Manrodt C.M.; Fonarow G.C.	2019	Heart Rhythm	http://dx.doi.org/10.1016/j.hrthm.2019.04.013	Abstract only
April 2020	A Replication Study on Code Comprehension and Expertise using Lightweight Biometric Sensors	D. Fucci; D. Girardi; N. Novielli; L. Quaranta; F. Lanubile	2019	2019 IEEE/ACM 27th International Conference on Program Comprehension (ICPC)	10.1109/ICPC.2019.00050	Non-cardiology focus
April 2020	Ethnicity and cardiovascular health inequalities in people with severe mental illnesses: protocol for the E-CHASM study.	Das-Munshi J.; Ashworth M.; Gaughran F.; Hull S.; Morgan C.; Nazroo J.; Roberts A.; Rose D.; Schofield P.; Stewart R.; Thornicroft G.; Prince MJ.	2016	Social psychiatry and psychiatric epidemiology	10.1007/s00127-016-1185-8	No NLP focus/details
April 2020	What's in a dotphrase? Evaluation of a note-based ascvd risk calculation tool	Dashiell-Earp C.; Drake L.; Osman S.; Branda M.; Chrastil H.; Altman R.; Lewis C.	2019	Circulation	http://dx.doi.org/10.1161/circ.140.suppl_1.13902	Abstract only
April 2020	Very poor visual acuity in non-arteritic anterior ischemic optic neuropathy (NAION)	Dattilo M.; Tian T.; Bruce B.B.; Narayana K.; Peragallo J.; Newman N.J.; Biousse V.	2017	Investigative Ophthalmology and Visual Science		Non-cardiology focus

April 2020	CPS-heart: cyber-physical systems for cardiovascular diseases	Dhwaj Verma	2018	Proceedings of the Workshop Program of the 19th International Conference on Distributed Computing and Networking	10.1145/3170521.3170548	No NLP focus/details
April 2020	Artificial intelligence in clinical and genomic diagnostics	Dias R.; Torkamani A.	2019	Genome Medicine	http://dx.doi.org/10.1186/s13073-019-0689-8	Non-cardiology focus
April 2020	Building a Natural Language Processing Tool to Identify Patients With High Clinical Suspicion for Kawasaki Disease from Emergency Department Notes.	Doan S.; Maehara CK.; Chaparro JD.; Lu S.; Liu R.; Graham A.; Berry E.; Hsu CN.; Kanegaye JT.; Lloyd DD.; Ohno-Machado L.; Burns JC.; Tremoulet AH.; .	2016	Academic emergency medicine : official journal of the Society for Academic Emergency Medicine	10.1111/acem.12925	Similar study
April 2020	How Do You #relax When You're #stressed? A Content Analysis and Infodemiology Study of Stress-Related Tweets.	Doan S.; Ritchart A.; Perry N.; Chaparro JD.; Conway M.	2017	JMIR public health and surveillance	10.2196/publichealth.5939	Non-cardiology focus
April 2020	Development of a cardiac-centered frailty ontology.	Doing-Harris K.; Bray BE.; Thackeray A.; Shah RU.; Shao Y.; Cheng Y.; Zeng-Treitler Q.; Garvin JH.; Weir C.	2019	Journal of biomedical semantics	10.1186/s13326-019-0195-3	Non-cardiology focus
April 2020	Evaluation of Appropriate Venous Thromboembolism Prophylaxis in Patients With Orthopaedic Trauma With Symptom-Driven Vascular and Radiographic Studies.	Domes CM.; Schleyer AM.; McQueen JM.; Pergamit RF.; Beingsner DM.	2017	Journal of orthopaedic trauma	10.1097/BOT.0000000000000991	Non-cardiology focus

April 2020	Development and future deployment of a 5 years allograft survival model for kidney transplantation.	DuBay DA.; Su Z.; Morinelli TA.; Baliga P.; Rohan V.; Bian J.; Northrup D.; Pilch N.; Rao V.; Srinivas TR.; Mauldin PD.; Taber DJ.	2019	Nephrology (Carlton, Vic.)	10.1111/nep.13488	Non-cardiology focus
April 2020	Natural language processing to improve identification of peripheral arterial disease in electronic health data	Duke J.; Chase M.; Poznanski-Ring N.; Martin J.; Fuhr R.; Chatterjee A.; Hirsch A.	2016	Journal of the American College of Cardiology		Abstract only
April 2020	Effect of Evidence-based Clinical Decision Support on the Use and Yield of CT Pulmonary Angiographic Imaging in Hospitalized Patients.	Dunne RM.; Ip IK.; Abbett S.; Gershanik EF.; Raja AS.; Hunsaker A.; Khorasani R.	2015	Radiology	10.1148/radiol.15141208	Similar study
April 2020	Portable computer vision-based cardiac estimation as a teaching aid	Dustin Terence van der Haar	2017	Proceedings of the 3rd International Conference on Communication and Information Processing	10.1145/3162957.3163006	No NLP focus/details
April 2020	Multiple MACE Risk Prediction using Multi-Task Recurrent Neural Network with Attention	E. Xu; S. Zhao; J. Mei; E. Xia; Y. Yu; S. Huang	2019	2019 IEEE International Conference on Healthcare Informatics (ICHI)	10.1109/ICHI.2019.8904675	No NLP focus/details
April 2020	A randomized automated thresholding method to identify comet objects on comet assay images	Eftal Sehirlı; M. Kamil Turan; Emrullah Demiral	2017	Proceedings of the 3rd International Conference on Communication and Information Processing	10.1145/3162957.3163044	No NLP focus/details

April 2020	Pilot evaluation of a persuasive mobile application to change individuals, " behavior during recurrent myocardial infarction	Erik Prytz; Patrik Johansson; Sofia Sederholm Lawesson; Maria Ericsson; Ingela Thylv@n	2019	Proceedings of the 31st European Conference on Cognitive Ergonomics	10.1145/3335082.3335102	No NLP focus/details
April 2020	A rule-based electronic phenotyping algorithm for detecting clinically relevant cardiovascular disease cases.	Esteban S.; Rodr#iguez Tablado M.; Ricci RI.; Terrasa S.; Kopitowski K.	2017	BMC research notes	10.1186/s13104-017-2600-2	Included
April 2020	Impact of a mobile cycling application on cardiac patients, " cycling behavior and enjoyment	Eva Geurts; Dominique Hansen; Paul Dendale; Karin Coninx	2018	Proceedings of the 11th PErvasive Technologies Related to Assistive Environments Conference	10.1145/3197768.3197783	No NLP focus/details
April 2020	Automated identification and predictive tools to help identify high-risk heart failure patients: pilot evaluation.	Evans RS.; Benuzillo J.; Horne BD.; Lloyd JF.; Bradshaw A.; Budge D.; Rasmusson KD.; Roberts C.; Buckway J.; Geer N.; Garrett T.; Lappv© DL.	2016	Journal of the American Medical Informatics Association : JAMIA	10.1093/jamia/ocv197	Included
April 2020	Non-invasive sleep-environment monitoring system	Fabio Lobato; Bruno Silva; Rodrigo de Bem; Diane Miranda	2015	Proceedings of the 8th ACM International Conference on PErvasive Technologies Related to Assistive Environments	10.1145/2769493.2769563	Non-cardiology focus
April 2020	New Approaches to Conducting Randomized Controlled Trials	Fanaroff A.C.; Califf R.M.; Lopes R.D.	2020	Journal of the American College of Cardiology	http://dx.doi.org/10.1016/j.jacc.2019.11.043	No NLP focus/details

April 2020	IMPROVING KNOWLEDGE AND PRACTICE THROUGH MASSIVE OPEN ONLINE DEMENTIA EDUCATION: THE UNDERSTANDING DEMENTIA AND PREVENTING DEMENTIA MOOCS	Farrow M.; Doherty K.; McInerney F.; Klekociuk S.Z.; Bindoff A.; Vickers J.C.	2018	Alzheimer's and Dementia	http://dx.doi.org/10.1016/j.jalz.2018.06.2368	Non-cardiology focus
April 2020	Predicting Intensive Care Unit admission among patients presenting to the emergency department using machine learning and natural language processing.	Fernandes M.; Mendes R.; Vieira SM.; Leite F.; Palos C.; Johnson A.; Finkelstein S.; Horng S.; Celi LA.	2020	PloS one	10.1371/journal.pone.0229331	Non-cardiology focus
April 2020	Estimating a Bias in ICD Encodings for Billing Purposes.	Fette G.; Krug M.; Kaspar M.; Liman L.; Dietrich G.; Ertl M.; Krebs J.; Stvörk S.; Puppe F.	2018	Studies in health technology and informatics		Non-cardiology focus
April 2020	Using natural language processing to extract structured epilepsy data from unstructured clinic letters: development and validation of the ExECT (extraction of epilepsy clinical text) system.	Fonferko-Shadrach B.; Lacey AS.; Roberts A.; Akbari A.; Thompson S.; Ford DV.; Lyons RA.; Rees MI.; Pickrell WO.	2019	BMJ open	10.1136/bmjopen-2018-023232	Non-cardiology focus
April 2020	Heart Failure Dashboard Design and Validation to Improve Care of Veterans.	Foster M.; Albanese C.; Chen Q.; Sethares KA.; Evans S.; Lehmann LS.; Spencer J.; Joseph J.	2020	Applied clinical informatics	10.1055/s-0040-1701257	No NLP focus/details
April 2020	Hot topics and trends in cardiovascular research.	Gal D.; Thijs B.; Glvšnzal W.; Sipido KR.	2019	European heart journal	10.1093/eurheartj/ehz282	Review/perspective article
April 2020	Hot topics and networks in Cardiovascular Research	Gal D.; Vandeveld W.; Sipido K.R.	2015	Cardiovascular Research	http://dx.doi.org/10.1093/cvr/cvv245	Duplicate
April 2020	Clinical Practice Guidelines Consistency for Patients with Multimorbidity: A Case-Study in the Management of Type 2 Diabetes and Hypertension	Galopin, A.; Bouaud, J.; Pereira, S.; Sv©roussi, B.	2015	Studies in Health Technology and Informatics	10.3233/978-1-61499-512-8-344	Non-cardiology focus
April 2020	Comparison of adverse event and device problem rates for transcatheter aortic valve replacement and Mitraclip procedures as reported by the Transcatheter Valve Therapy Registry and the Food and Drug Administration postmarket surveillance data.	Galper BZ.; Beery DE.; Leighton G.; Englander LL.	2018	American heart journal	10.1016/j.ahj.2017.10.013	Included

April 2020	Mimvec: a deep learning approach for analyzing the human phenome.	Gan M.; Li W.; Zeng W.; Wang X.; Jiang R.	2017	BMC systems biology	10.1186/s12918-017-0451-z	Non-cardiology focus
April 2020	Automating Quality Measures for Heart Failure Using Natural Language Processing: A Descriptive Study in the Department of Veterans Affairs.	Garvin JH.; Kim Y.; Gobbel GT.; Matheny ME.; Redd A.; Bray BE.; Heidenreich P.; Bolton D.; Heavirland J.; Kelly N.; Reeves R.; Kalsy M.; Goldstein MK.; Meystre SM.	2018	JMIR medical informatics	10.2196/medinform.9150	Included
April 2020	Advantages of hybrid deep learning frameworks in applications with limited data	Gavrishchaka, V.V.; Yang, Z.; (Rebecca) Miao, X.; Senyukova, O.	2018	International Journal of Machine Learning and Computing	10.18178/ijmlc.2018.8.6.744	No NLP focus/details
April 2020	Toward improving surgical outcomes by incorporating cognitive load measurement into process-driven guidance	George S. Avrunin; Lori A. Clarke; Heather M. Conboy; Leon J. Osterweil; Roger D. Dias; Steven J. Yule; Julian M. Goldman; Marco A. Zenati	2018	Proceedings of the International Workshop on Software Engineering in Healthcare Systems	10.1145/3194696.3194705	No NLP focus/details
April 2020	Two-Dimensional Simulation of Blood Flow in Thoracic Aorta	Gerardo Ojeda; Danilo Galindo; Alberto Cadena; Winston S. Percybrooks; Juan C. Velez; Pablo Tello P. Juan	2019	Proceedings of the 2019 9th International Conference on Biomedical Engineering and Technology	10.1145/3326172.3326206	No NLP focus/details
April 2020	Adverse drug event rates in pediatric pulmonary hypertension: a comparison of real-world data sources.	Geva A.; Abman SH.; Manzi SF.; Ivy DD.; Mullen MP.; Griffin J.; Lin C.; Savova GK.; Mandl KD.	2020	Journal of the American Medical Informatics Association : JAMIA	10.1093/jamia/ocz194	Non-cardiology focus

April 2020	Characterisation of mental health conditions in social media using Informed Deep Learning.	Gkotsis G.; Oellrich A.; Velupillai S.; Liakata M.; Hubbard T.J.; Dobson R.J.; Dutta R.	2017	Scientific reports	10.1038/srep45141	Non-cardiology focus
April 2020	Extracting pest risk information from risk assessment documents	Glen, N.; Korol, O.; Andrv©, L.; Robert, F.; Tom, G.	2019	Proceedings of the ACM/IEEE Joint Conference on Digital Libraries	10.1109/JCDL.2019.00074	Non-cardiology focus
April 2020	GENDER DIFFERENCES IN CLINICAL PROFILE AND HEALTHCARE UTILIZATION OF NON ALCOHOLIC FATTY LIVER PATIENTS	Goldshtein I.; Chodick G.; Shibolet O.	2018	Value in Health	http://dx.doi.org/10.1016/j.jval.2018.09.871	Abstract only
April 2020	Extra hepatic manifestation of non alcoholic fatty liver	Goldshtein I.; Shibolet O.; Chodick G.	2018	Hepatology	http://dx.doi.org/10.1002/hep.30257	Non-cardiology focus
April 2020	An automated knowledge-based textual summarization system for longitudinal, multivariate clinical data.	Goldstein A.; Shahar Y.	2016	Journal of biomedical informatics	10.1016/j.jbi.2016.03.022	Non-cardiology focus
April 2020	Combining glass box and black box evaluations in the identification of heart disease risk factors and their temporal relations from clinical records.	Grouin C.; Moriceau V.; Zweigenbaum P.	2015	Journal of biomedical informatics	10.1016/j.jbi.2015.06.014	Non-cardiology focus
April 2020	Combining glass box and black box evaluations in the identification of heart disease risk factors and their temporal relations from clinical records	Grouin, C.; Moriceau, V.; Zweigenbaum, P.	2015	Journal of Biomedical Informatics	10.1016/j.jbi.2015.06.014	Non-cardiology focus
April 2020	Development of text mining based classification of written communication within a telemedical collaborative network.	Gruber K.; Modre-Osprian R.; Kreiner K.; Kastner P.; Schreier G.	2015	Studies in health technology and informatics		Non-cardiology focus
April 2020	Automated Transformation of openEHR Data Instances to OWL.	Haarbrandt B.; Jack T.; Marschollek M.	2016	Studies in health technology and informatics		Non-cardiology focus
April 2020	An Efficient Pattern Recognition Kernel-Based Method for Atrial Fibrillation Diagnosis	Haddi, Z.; Ananou, B.; Trardi, Y.; Pons, J.-F.; Delliaux, S.; Ouladsine, M.; Deharo, J.-C.	2018	Computing in Cardiology	10.22489/CinC.2018.090	No NLP focus/details

April 2020	Electronic medical record phenotyping using the anchor and learn framework.	Halpern Y.; Horng S.; Choi Y.; Sontag D.	2016	Journal of the American Medical Informatics Association : JAMIA	10.1093/jamia/ocw011	Non-cardiology focus
April 2020	Improving the Efficacy of the Data Entry Process for Clinical Research With a Natural Language Processing-Driven Medical Information Extraction System: Quantitative Field Research.	Han J.; Chen K.; Fang L.; Zhang S.; Wang F.; Ma H.; Zhao L.; Liu S.	2019	JMIR medical informatics	10.2196/13331	Non-cardiology focus
April 2020	Label-Free Ratiometric Electrochemiluminescence Aptasensor Based on Nanographene Oxide Wrapped Titanium Dioxide Nanoparticles with Potential-Resolved Electrochemiluminescence	Han, Z.; Shu, J.; Liang, X.; Cui, H.	2019	Analytical Chemistry	10.1021/acs.analchem.9b02318	No NLP focus/details
April 2020	Patient identity verification based on physiological signal fusion	Hang Cai; Krishna K. Venkatasubramanian	2017	Proceedings of the Second IEEE/ACM International Conference on Connected Health: Applications, Systems and Engineering Technologies		No NLP focus/details
April 2020	Conditional Convolution Generative Adversarial Network for Bi-ventricle Segmentation in Cardiac MR Images	Haoran Zhang; Xuehao Cao; Lisheng Xu; Lin Qi	2019	Proceedings of the Third International Symposium on Image Computing and Digital Medicine	10.1145/3364836.3364860	No NLP focus/details
April 2020	The impact of age and comorbidities on practice patterns and outcomes in patients with relapsed/refractory multiple myeloma in the era of novel therapies	Hari P.; Romanus D.; Luptakova K.; Blazer M.; Yong C.; Raju A.; Farrelly E.; Labotka R.; Morrison V.A.	2018	Journal of Geriatric Oncology	http://dx.doi.org/10.1016/j.jgo.2017.09.007	Non-cardiology focus

April 2020	Fog Data: Enhancing Telehealth Big Data Through Fog Computing	Harishchandra Dubey; Jing Yang; Nick Constant; Amir Mohammad Amiri; Qing Yang; Kunal Makodiya	2015	Proceedings of the ASE BigData & SocialInformatics 2015	10.1145/2818869.2818889	Non-cardiology focus
April 2020	RESPIRE: a spectral kurtosis-based method to extract respiration rate from wearable PPG signals	Harishchandra Dubey; Nicholas Constant; Kunal Mankodiya	2017	Proceedings of the Second IEEE/ACM International Conference on Connected Health: Applications, Systems and Engineering Technologies	10.1109/chase.2017.64	Non-cardiology focus
April 2020	Can Machine Learning Methods Produce Accurate and Easy-to-use Prediction Models of 30-day Complications and Mortality After Knee or Hip Arthroplasty?	Harris AHS.; Kuo AC.; Weng Y.; Trickey AW.; Bowe T.; Giori NJ.	2019	Clinical orthopaedics and related research	10.1097/CORR.0000000000000601	Non-cardiology focus
April 2020	Diagnostic relevance and therapeutic efficiency of a systemic procedure of sleep (respiratory and architecture) disorders care in a 100 consecutive depressive hospitalized patients cohort into a psychiatric department	Hazouard E.; Aspe G.; Ramage I.; Viaud P.; Gibier L.; Thoreau P.; Caparros C.	2019	Sleep Medicine	http://dx.doi.org/10.1016/j.sleep.2019.11.408	Non-cardiology focus
April 2020	Classification of ventricular arrhythmias using feature ranking score algorithm	Hemalatha Karnan; N. Sivakumaran; M. Rajajeya kumar	2017	Proceedings of the 1st International Conference on Internet of Things and Machine Learning	10.1145/3109761.3109801	No NLP focus/details
April 2020	Human-in-the-loop learning for personalized diet monitoring from unstructured mobile data	Hezarjaribi, N.; Mazrouee, S.; Hemati, S.; Chaytor, N.S.; Perrigue, M.; Ghasemzadeh, H.	2019	ACM Transactions on Interactive Intelligent Systems	10.1145/3319370	Non-cardiology focus

April 2020	A New Algorithm for Predicting the Progression from Paroxysmal to Persistent Atrial Fibrillation	Hisham ElMoaqet; Zakaria Almuwaqqat; Mohammed Saeed	2017	Proceedings of the 9th International Conference on Bioinformatics and Biomedical Technology	10.1145/3093293.3093311	No NLP focus/details
April 2020	An automatic early risk classification of hard coronary heart diseases using framingham scoring model	Hoda Ahmed Galal Elsayed; Liyakathunisa Syed	2017	Proceedings of the Second International Conference on Internet of things, Data and Cloud Computing	10.1145/3018896.3036384	No NLP focus/details
April 2020	Computer-guided normal-low versus normal-high potassium control after cardiac surgery: No impact on atrial fibrillation or atrial flutter.	Hoekstra M.; Hessels L.; Rienstra M.; Yeh L.; Lansink AO.; Vogelzang M.; van der Horst IC.; van der Maaten JM.; Mariani MA.; de Smet AM.; Struys MM.; Zijlstra F.; Nijsten MW.	2016	American heart journal	10.1016/j.ahj.2015.10.020	No NLP focus/details
April 2020	Atrial fibrillation detection with deep learning: A survey	Honchar O.; Sahan V.; Fridman R.; Bachynskyi A.; Pkhakadze O.	2018	Europace	http://dx.doi.org/10.1093/europace/euy202.006	Abstract only
April 2020	Quantitative Regular Expressions for Arrhythmia Detection	Houssam Abbas; Alena Rodionova; Konstantinos Mamouras; Ezio Bartocci; Scott A. Smolka; Radu Grosu	2019	IEEE/ACM Trans. Comput. Biol. Bioinformatics	10.1109/tcbb.2018.2885274	No NLP focus/details
April 2020	Utilizing Chinese admission records for MACE prediction of acute coronary syndrome	Hu D.; Huang Z.; Chan T.-M.; Dong W.; Lu X.; Duan H.	2016	International Journal of Environmental Research and Public Health	http://dx.doi.org/10.3390/ijerph13090912	Included

April 2020	Can machine learning improve patient selection for cardiac resynchronization therapy?	Hu SY.; Santus E.; Forsyth AW.; Malhotra D.; Haimson J.; Chatterjee NA.; Kramer DB.; Barzilay R.; Tulskey JA.; Lindvall C.	2019	PLoS one	10.1371/journal.pone.0222397	Included
April 2020	Cardiovascular risk in patients with alopecia areata (AA): A propensity-matched retrospective analysis.	Huang KP.; Joyce CJ.; Topaz M.; Guo Y.; Mostaghimi A.	2016	Journal of the American Academy of Dermatology	10.1016/j.jaad.2016.02.1234	Non-cardiology focus
April 2020	Health Assessment System Based on Big Data Analysis of Meridian Electrical Potential	Hui Li; Yibo Cheng; Yinghui Li; Xiaochang Ma; Delong Li	2018	Proceedings of the 3rd International Conference on Biomedical Signal and Image Processing	10.1145/3278229.3278235	No NLP focus/details
April 2020	[WiP] Sentiment Analysis Electronic Healthcare System Based on Heart Rate Monitoring Smart Bracelet	I. Marin; N. Goga; A. Doncescu	2018	2018 IEEE 11th Conference on Service-Oriented Computing and Applications (SOCA)	10.1109/SOCA.2018.00022	No NLP focus/details
April 2020	Applying Stochastic Process Model to Imputation of Censored Longitudinal Data	Ilya Zhbannikov; Konstantin Arbeev; Anatoliy Yashin	2018	Proceedings of the 2018 ACM International Conference on Bioinformatics, Computational Biology, and Health Informatics	10.1145/3233547.3233591	No NLP focus/details
April 2020	4q21.2q21.3 Duplication: Molecular and Neuropsychological Aspects.	Iourov IY.; Zelenova MA.; Vorsanova SG.; Voinova VV.; Yurov YB.	2018	Current genomics	10.2174/1389202918666170717161426	Non-cardiology focus

April 2020	VR System for Neurorehabilitation: Where Technology Meets Medicine for Empowering Patients and Therapists in the Rehabilitation Process	Iulia-Cristina StfÉnicfÉ; Florica Moldoveanu; Maria-Iuliana DascfÉlu; Alin Moldoveanu; Giovanni-Paul Portelli; Constanta Nicoleta Bodea	2019	Proceedings of the 6th Conference on the Engineering of Computer Based Systems	10.1145/3352700.3352705	Non-cardiology focus
April 2020	An adverse drug events ontology population from text using a multi-class SVM based approach	Jabnoun, O.; Achour, H.; Nouira, K.	2018	Lecture Notes in Business Information Processing	10.1007/978-3-319-97749-2_11	Non-cardiology focus
April 2020	CogStack - experiences of deploying integrated information retrieval and extraction services in a large National Health Service Foundation Trust hospital.	Jackson R.; Kartoglu I.; Stringer C.; Gorrell G.; Roberts A.; Song X.; Wu H.; Agrawal A.; Lui K.; Groza T.; Lewsley D.; Northwood D.; Folarin A.; Stewart R.; Dobson R.	2018	BMC medical informatics and decision making	10.1186/s12911-018-0623-9	Non-cardiology focus
April 2020	Feasibility of a voice-enabled automated platform for medical data collection: CardioCube	Jadczyk, T.; Kiwic, O.; Khandwalla, R.M.; Grabowski, K.; Rudawski, S.; Magaczewski, P.; Benyahia, H.; Wojakowski, W.; Henry, T.D.	2019	International Journal of Medical Informatics	10.1016/j.ijmedinf.2019.07.001	No NLP focus/details
April 2020	Building a Semantic Interoperability Framework for Care and Research in Fibromuscular Dysplasia.	Jaulent MC.; Assv@IV@-Kama A.; Savard S.; Giavarini A.; Touzv@ E.; JeunemaV@tre X.; Ugon A.; Plouin PF.; Toubiana L.	2015	Studies in health technology and informatics		Non-cardiology focus
April 2020	Artificial intelligence in healthcare: past, present and future.	Jiang F.; Jiang Y.; Zhi H.; Dong Y.; Li H.; Ma S.; Wang Y.; Dong Q.; Shen H.; Wang Y.	2017	Stroke and vascular neurology	10.1136/svn-2017-000101	Review/perspective article

April 2020	Predictors associated with development of pleural and pericardial effusions in patients with small cell lung cancer treated with third-line therapy	Jiang R.; Koch M.; Gulbranson S.; Komarnitsky P.B.; Papademetriou E.; Tyczynski J.E.	2019	Journal of Clinical Oncology	http://dx.doi.org/10.1200/JCO.2019.37.15_suppl.e20088	Non-cardiology focus
April 2020	Differences Analysis of HRV in Time and Meridians Based on Multi-lead ECG Signals	Jihong Liu; Xinyu Xu; Guangwei Zhang; Simeng Wu; Mingzhen Liu; Yuning Zhou	2018	Proceedings of the 2018 2nd International Conference on Algorithms, Computing and Systems	10.1145/3242840.3242841	No NLP focus/details
April 2020	MedFit: A Mobile Application for Patients in CVD Recovery	Jogile Kuklyte; Leonardo Gualano; Ghanashyama Prabhu; Kaushik Venkataraman; Deirdre Walsh; Catherine Woods; Kieran Moran; Noel E. O'Connell	2017	Proceedings of the 2nd International Workshop on Multimedia for Personal Health and Health Care	10.1145/3132635.3132651	No NLP focus/details
April 2020	Social Assistive Robot for Cardiac Rehabilitation: A Pilot Study with Patients with Angioplasty	Jonathan Casas; Bahar Irfan; Emmanuel Senft; Luisa Gutiv@rrez; Monica Rincon-Roncancio; Marcela Munera; Tony Belpaeme; Carlos A. Cifuentes	2018	Companion of the 2018 ACM/IEEE International Conference on Human-Robot Interaction	10.1145/3173386.3177052	No NLP focus/details
April 2020	Epidemiology of nontuberculous mycobacterial infections in the U.S. Veterans Health Administration.	Jones MM.; Winthrop KL.; Nelson SD.; Duvall SL.; Patterson OV.; Nechodom KE.; Findley KE.; Radonovich L.J.; Samore MH.; Fennelly KP.	2018	PloS one	10.1371/journal.pone.0197976	Non-cardiology focus

April 2020	Monitoring obstructive sleep apnea with electrocardiography and 3-axis acceleration sensor	Jong-Ha Lee; Hee-Jun Park; Yoon-Nyun Kim	2015	Proceedings of the 8th ACM International Conference on Pervasive Technologies Related to Assistive Environments	10.1145/2769493.2769522	No NLP focus/details
April 2020	Coronary artery disease risk assessment from unstructured electronic health records using text mining.	Jonnagaddala J.; Liaw ST.; Ray P.; Kumar M.; Chang NW.; Dai HJ.	2015	Journal of biomedical informatics	10.1016/j.jbi.2015.08.003	Duplicate
April 2020	Coronary artery disease risk assessment from unstructured electronic health records using text mining	Jonnagaddala, J.; Liaw, S. T.; Ray, P.; Kumar, M.; Chang, N.-W.; Dai, H.-J.	2015	Journal of Biomedical Informatics	10.1016/j.jbi.2015.08.003	Non-cardiology focus
April 2020	Text Mining of the Electronic Health Record: An Information Extraction Approach for Automated Identification and Subphenotyping of HFpEF Patients for Clinical Trials.	Jonnalagadda SR.; Adupa AK.; Garg RP.; Corona-Cox J.; Shah SJ.	2017	Journal of cardiovascular translational research	10.1007/s12265-017-9752-2	Included
April 2020	Health informatics: A new hope for familial hypercholesterolemia	Joseph A.P.; Mullett C.J.; Armistead M.; Cox J.; Denney M.; Neal W.A.; Pyles L.A.	2018	Circulation		Abstract only
April 2020	Harnessing multiple source test cases in metamorphic testing: a case study in bioinformatics	Joshua Y. S. Tang; Andrian Yang; Tsong Yueh Chen; Joshua W. K. Ho	2017	Proceedings of the 2nd International Workshop on Metamorphic Testing		Non-cardiology focus
April 2020	ROI Localization and Initialization Method for Left Ventricle Segmentation	Junchi Lu; Chaolu Feng; Wei Li; Dazhe Zhao	2019	Proceedings of the Third International Symposium on Image Computing and Digital Medicine	10.1145/3364836.3364839	No NLP focus/details

April 2020	Using local lexicalized rules to identify heart disease risk factors in clinical notes	Karystianis G.; Dehghan A.; Kovacevic A.; Keane J.A.; Nenadic G.	2015	Journal of Biomedical Informatics	http://dx.doi.org/10.1016/j.jbi.2015.06.013	Duplicate
April 2020	Using local lexicalized rules to identify heart disease risk factors in clinical notes.	Karystianis G.; Dehghan A.; Kovacevic A.; Keane JA.; Nenadic G.	2015	Journal of biomedical informatics	10.1016/j.jbi.2015.06.013	Non-cardiology focus
April 2020	Underestimated prevalence of heart failure in hospital inpatients: a comparison of ICD codes and discharge letter information.	Kaspar M.; Fette G.; Gvøder G.; Seidlmayer L.; Ertl M.; Dietrich G.; Greger H.; Puppe F.; Stvørk S.	2018	Clinical research in cardiology : official journal of the German Cardiac Society	10.1007/s00392-018-1245-z	Included
April 2020	Natural Language Processing-Enabled and Conventional Data Capture Methods for Input to Electronic Health Records: A Comparative Usability Study.	Kaufman DR.; Sheehan B.; Stetson P.; Bhatt AR.; Field AI.; Patel C.; Maisel JM.	2016	JMIR medical informatics	10.2196/medinform.5544	Non-cardiology focus
April 2020	Automated chart review utilizing natural language processing algorithm for asthma predictive index.	Kaur H.; Sohn S.; Wi Cl.; Ryu E.; Park MA.; Bachman K.; Kita H.; Croghan I.; Castro-Rodriguez JA.; Voge GA.; Liu H.; Juhn YJ.	2018	BMC pulmonary medicine	10.1186/s12890-018-0593-9	Non-cardiology focus
April 2020	The feature extraction of ECG signal in myocardial infarction patients	Ketcham, M.; Muankid, A.	2018	Advances in Intelligent Systems and Computing	10.1007/978-3-319-70016-8_14	No NLP focus/details
April 2020	AfibPred: A Novel Atrial Fibrillation Prediction Approach based on Short Single-Lead ECG Using Deep Transfer Knowledge	Khadidja Benchaira; Salim Bitam; Abdelhamid Mellouk; Adel Tahri; Ridha Okbi	2019	Proceedings of the 4th International Conference on Big Data and Internet of Things	10.1145/3372938.3372964	No NLP focus/details
April 2020	Adapting existing natural language processing resources for cardiovascular risk factors identification in clinical notes.	Khalifa A.; Meystre S.	2015	Journal of biomedical informatics	10.1016/j.jbi.2015.08.002	Duplicate

April 2020	Adapting existing natural language processing resources for cardiovascular risk factors identification in clinical notes	Khalifa A.; Meystre S.	2015	Journal of Biomedical Informatics	http://dx.doi.org/10.1016/j.jbi.2015.08.002	Non-cardiology focus
April 2020	Artificial Intelligence and Machine Learning in Cardiovascular Healthcare.	Kilic A.	2019	The Annals of thoracic surgery	10.1016/j.athoracsur.2019.09.042	Review/perspective article
April 2020	Classification of Contextual Use of Left Ventricular Ejection Fraction Assessments.	Kim Y.; Garvin J.; Goldstein MK.; Meystre SM.	2015	Studies in health technology and informatics		Similar study
April 2020	Extraction of left ventricular ejection fraction information from various types of clinical reports.	Kim Y.; Garvin JH.; Goldstein MK.; Hwang TS.; Redd A.; Bolton D.; Heidenreich PA.; Meystre SM.	2017	Journal of biomedical informatics	10.1016/j.jbi.2017.01.017	Similar study
April 2020	A Study of Concept Extraction Across Different Types of Clinical Notes.	Kim Y.; Riloff E.; Hurdle JF.	2015	AMIA ... Annual Symposium proceedings. AMIA Symposium		Non-cardiology focus
April 2020	Social media mining for birth defects research: A rule-based, bootstrapping approach to collecting data for rare health-related events on Twitter.	Klein AZ.; Sarker A.; Cai H.; Weissenbacher D.; Gonzalez-Hernandez G.	2018	Journal of biomedical informatics	10.1016/j.jbi.2018.10.001	Non-cardiology focus
April 2020	THE ADDITIONAL VALUE OF NATURAL LANGUAGE PROCESSING TO IDENTIFY DISEASE PREVALENCE BASED ON ELECTRONIC MEDICAL RECORD IMAGING REPORTS	Kocyigit D.; Milinovich A.; Lee C.M.; Hanna M.; Gabrovesk A.; Jin J.; Silverman M.; Ahmad M.; Tang W.H.W.; Grimm R.A.; Cho L.; Griffin B.P.; Flamm S.D.; Kwon D.	2020	Journal of the American College of Cardiology	http://dx.doi.org/10.1016/S0735-1097%2820%2934269-8	Abstract only

April 2020	PERFORMANCE AND ACCURACY OF NATURAL LANGUAGE PROCESSING TO IDENTIFY DISEASE ETIOLOGY FROM NON-STRUCTURED CARDIAC MAGNETIC RESONANCE IMAGING ELECTRONIC MEDICAL RECORD REPORTS	Kocyigit D.; Milinovich A.; Lee C.M.; Silverman M.; Ahmad M.; Hanna M.; Gabrovesk A.; Jin J.; Tang W.H.W.; Grimm R.A.; Cho L.; Griffin B.P.; Flamm S.D.; Kwon D.	2020	Journal of the American College of Cardiology	http://dx.doi.org/10.1016/S0735-1097%2820%2934266-2	Abstract only
April 2020	Natural language processing of symptoms documented in free-text narratives of electronic health records: a systematic review.	Koleck TA.; Dreisbach C.; Bourne PE.; Bakken S.	2019	Journal of the American Medical Informatics Association : JAMIA	10.1093/jamia/ocy173	Review/perspective article
April 2020	A systematic comparison of feature space effects on disease classifier performance for phenotype identification of five diseases.	Kotfila C.; Uzuner vñ.	2015	Journal of biomedical informatics	10.1016/j.jbi.2015.07.016	Duplicate
April 2020	A systematic comparison of feature space effects on disease classifier performance for phenotype identification of five diseases	Kotfila C.; Uzuner O.	2015	Journal of Biomedical Informatics	http://dx.doi.org/10.1016/j.jbi.2015.07.016	Non-cardiology focus
April 2020	Finding Needles in the Haystack: Identifying Patients with Rare Subtype of Multiple Myeloma Supported by a Data Warehouse and Information Extraction.	Krebs J.; Bittrich M.; Dietrich G.; Ertl M.; Fette G.; Kaspar M.; Liman L.; Einsele H.; Puppe F.; Knop S.	2018	Studies in health technology and informatics		Non-cardiology focus
April 2020	Big data in the clinic using data to guide practice	Krupinski, E.A.	2016	Proceedings - 2016 International Conference on Collaboration Technologies and Systems, CTS 2016	10.1109/CTS.2016.94	No NLP focus/details

April 2020	Completeness in the abstraction of cardiac biomarkers and cardiac pain data from electronic health records (EHR). Findings from the atherosclerosis risk in communities (ARIC) study	Kucharska-Newton A.; Bullo M.; Loop M.; Moore C.; Haas S.W.; Rosamond W.; Futrell W.; Luo K.; Yadav H.; Bogle B.	2018	Circulation		Abstract only
April 2020	Creation of a new longitudinal corpus of clinical narratives.	Kumar V.; Stubbs A.; Shaw S.; Uzuner Vñ.	2015	Journal of biomedical informatics	10.1016/j.jbi.2015.09.018	Non-cardiology focus
April 2020	Balance between Performance and Security in IPI-based Key Schemes using Heartbeats	Kwantae Cho; Juyoung Kim	2017	Proceedings of the 9th International Conference on Signal Processing Systems	10.1145/3163080.3163111	No NLP focus/details
April 2020	SEMCARE: Multilingual Semantic Search in Semi-Structured Clinical Data.	Lv≥pez-Garcv#a P.; Kreuzthaler M.; Schulz S.; Scherr D.; Daumke P.; Markv≥ K.; Kors JA.; van Mulligen EM.; Wang X.; Gonna H.; Behr E.; Honrado vÅ.	2016	Studies in health technology and informatics		Non-cardiology focus
April 2020	Machine Learning in Cardiac CT	Landreth S.P.; Spearman J.V.	2017	Current Radiology Reports	http://dx.doi.org/10.1007/s40134-017-0241-9	Review/perspective article
April 2020	Driving pressure is not associated with mortality in mechanically ventilated patients without ARDS.	Lanspa MJ.; Peltan ID.; Jacobs JR.; Sorensen JS.; Carpenter L.; Ferraro JP.; Brown SM.; Berry JG.; Srivastava R.; Grissom CK.	2019	Critical care (London, England)	10.1186/s13054-019-2698-9	Non-cardiology focus
April 2020	Tool-use-associated sound in the evolution of language.	Larsson M.	2015	Animal cognition	10.1007/s10071-015-0885-x	Non-cardiology focus

April 2020	Connecting the dots: From big data to healthy heart	Lau E.; Watson K.E.; Ping P.	2016	Circulation	http://dx.doi.org/10.1161/CIRCULATIONAHA.116.021892	No NLP focus/details
April 2020	IoT for remote wireless electrophysiological monitoring: proof of concept	Laura Pravato; Thomas E. Doyle	2017	Proceedings of the 27th Annual International Conference on Computer Science and Software Engineering		No NLP focus/details
April 2020	An automated framework for predicting obstructive sleep apnea using a brief, daytime, non-intrusive test procedure	Lauren Samy; Paul M. Macey; Nabil Alshurafa; Majid Sarrafzadeh	2015	Proceedings of the 8th ACM International Conference on Pervasive Technologies Related to Assistive Environments	10.1145/2769493.2769541	Non-cardiology focus
April 2020	Redesigning the Trans-disciplinary: Working Across Design, Craft and Technological Boundaries to Deliver an Integrated Wearable for Cardiac Monitoring	Leah Heiss; Paul Beckett; Amy Carr-Bottomley	2016	Proceedings of the 2016 ACM Conference on Designing Interactive Systems	10.1145/2901790.2901794	No NLP focus/details
April 2020	Wavelet Transform Based ECG Denoising Using Adaptive Thresholding	Lei Wang; Wei Sun; Yibo Chen; Peng Li; Lingxiao Zhao	2018	Proceedings of the 2018 7th International Conference on Bioinformatics and Biomedical Science	10.1145/3239264.3239272	No NLP focus/details
April 2020	High-throughput analysis of full-text cardiac catheterization reports using open-source natural language processing and machine learning tools	Levin M.G.; Small A.M.; Giri J.S.; Rader D.J.; Damrauer S.M.	2017	Circulation		Abstract only

April 2020	Determining post-test risk in a national sample of stress nuclear myocardial perfusion imaging reports: Implications for natural language processing tools.	Levy AE.; Shah NR.; Matheny ME.; Reeves RM.; Gobbel GT.; Bradley SM.	2019	Journal of nuclear cardiology : official publication of the American Society of Nuclear Cardiology	10.1007/s12350-018-1275-y	Similar study
April 2020	An investigation of single-domain and multidomain medication and adverse drug event relation extraction from electronic health record notes using advanced deep learning models.	Li F.; Yu H.	2019	Journal of the American Medical Informatics Association : JAMIA	10.1093/jamia/ocz018	Non-cardiology focus
April 2020	A novel approach for arrhythmia diagnosis: Self-adaptive and distribution-free mode.	Li F.; Zheng D.; Zhao T.	2015	Bio-medical materials and engineering	10.3233/BME-151400	No NLP focus/details
April 2020	Detection of Bleeding Events in Electronic Health Record Notes Using Convolutional Neural Network Models Enhanced With Recurrent Neural Network Autoencoders: Deep Learning Approach.	Li R.; Hu B.; Liu F.; Liu W.; Cunningham F.; McManus DD.; Yu H.	2019	JMIR medical informatics	10.2196/10788	Non-cardiology focus
April 2020	Analysis of care pathway variation patterns in patient records.	Li X.; Mei J.; Liu H.; Yu Y.; Xie G.; Hu J.; Wang F.	2015	Studies in health technology and informatics		No NLP focus/details
April 2020	Detection of bleeding events in electronic health record notes using convolutional neural network models enhanced with recurrent neural network autoencoders: Deep learning approach	Li, R.; Hu, B.; Liu, F.; Liu, W.; Cunningham, F.; McManus, D.D.; Yu, H.	2019	Journal of Medical Internet Research	10.2196/10788	Duplicate

April 2020	Methods to Develop an Electronic Medical Record Phenotype Algorithm to Compare the Risk of Coronary Artery Disease across 3 Chronic Disease Cohorts.	Liao KP.; Ananthakrishnan AN.; Kumar V.; Xia Z.; Cagan A.; Gainer VS.; Goryachev S.; Chen P.; Savova GK.; Agniel D.; Churchill S.; Lee J.; Murphy SN.; Plenge RM.; Szolovits P.; Kohane I.; Shaw SY.; Karlson EW.; Cai T.	2015	PloS one	10.1371/journal.pone.0136651	Non-cardiology focus
April 2020	Natural language processing: An opportunity to make chart data come alive in palliative care research	Lindvall C.; Forsyth A.; Barzilay R.; Tulskey J.	2017	Journal of Pain and Symptom Management	http://dx.doi.org/10.1016/j.jpainsymman.2016.12.164	Abstract only
April 2020	Developing an Algorithm to Detect Early Childhood Obesity in Two Tertiary Pediatric Medical Centers.	Lingren T.; Thaker V.; Brady C.; Namjou B.; Kennebeck S.; Bickel J.; Patibandla N.; Ni Y.; Van Driest SL.; Chen L.; Roach A.; Cobb B.; Kirby J.; Denny J.; Bailey-Davis L.; Williams MS.; Marsolo K.; Solti I.; Holm IA.; Harley J.; Kohane IS.; Savova G.; Crimmins N.	2016	Applied clinical informatics	10.4338/ACI-2016-01-RA-0015	Non-cardiology focus

April 2020	Age-related cognitive decline and associations with sex, education and apolipoprotein E genotype across ethnocultural groups and geographic regions: a collaborative cohort study.	Lipnicki DM.; Crawford JD.; Dutta R.; Thalamuthu A.; Kochan NA.; Andrews G.; Lima-Costa MF.; Castro-Costa E.; Brayne C.; Matthews FE.; Stephan BC.; Lipton RB.; Katz MJ.; Ritchie K.; Scali J.; Ancelin ML.; Scarmeas N.; Yannakoulia M.; Dardiotis E.; Lam LC.; Wong CH.; Fung AW.; Guaita A.; Vaccaro R.; Davin A.; Kim KW.; Han JW.; Kim TH.; Anstey KJ.; Cherbuin N.; Butterworth P.; Scazufca M.; Kumagai S.; Chen S.; Narazaki K.; Ng TP.; Gao Q.; Reppermund S.; Brodaty H.; Lobo A.; Lopez-Anton R.; Santabábara J.; Sachdev PS.; .	2017	PLoS medicine	10.1371/journal.pmed.1002261	Non-cardiology focus
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April 2020	Determinants of cognitive performance and decline in 20 diverse ethno-regional groups: A COSMIC collaboration cohort study.	SR.; Crawford JD.; Thalamuthu A.; Kochan NA.; Lima-Costa MF.; Castro-Costa E.; Ferri CP.; Brayne C.; Stephan B.; Llibre-Rodriguez JJ.; Llibre-Guerra JJ.; Valhuerdi-Cepero AJ.; Lipton RB.; Katz MJ.; Derby CA.; Ritchie K.; Ancelin ML.; Carriv [®] re I.; Scarmeas N.; Yannakoulia M.; Hadjigeorgiou GM.; Lam L.; Chan WC.; Fung A.; Guaita A.; Vaccaro R.; Davin A.; Kim KW.; Han JW.; Suh SW.; Riedel-Heller SG.; Roehr S.; Pabst A.; van Boxtel M.; Kvðhler S.; Deckers K.; Ganguli M.; Jacobsen EP.; Hughes TF.; Anstey KJ.; Cherbuin N.; Haan MN.; Aiello AE.; Dang K.; Kumagai S.; Chen T.; Narazaki K.; Ng TP.; Gao Q.; Nyunt MSZ.; Scazufca M.; Brodaty H.; Numbers K.; Trollor JN.; Meguro K.; Yamaguchi S.; Ishii H.; Lobo A.;	2019	PLoS medicine	10.1371/journal.pmed.1002853	Non-cardiology focus
April 2020	Learning to detect and understand drug discontinuation events from clinical narratives	Liu F.; Pradhan R.; Druhl E.; Freund E.; Liu W.; Sauer B.C.; Cunningham F.; Gordon A.J.; Peters C.B.; Yu H.	2019	Journal of the American Medical Informatics Association	http://dx.doi.org/10.1093/jamia/ocz048	Non-cardiology focus

April 2020	A research framework for pharmacovigilance in health social media: Identification and evaluation of patient adverse drug event reports.	Liu X.; Chen H.	2015	Journal of biomedical informatics	10.1016/j.jbi.2015.10.011	Non-cardiology focus
April 2020	Automatic de-identification of electronic medical records using token-level and character-level conditional random fields.	Liu Z.; Chen Y.; Tang B.; Wang X.; Chen Q.; Li H.; Wang J.; Deng Q.; Zhu S.	2015	Journal of biomedical informatics	10.1016/j.jbi.2015.06.009	Non-cardiology focus
April 2020	Artificial Intelligence Methods for Real-Time Pharmacovigilance Monitoring to Predict Adverse Cardiac Events	Lu J.; Dwivedi G.; Bennamoun M.; Sohel F.; An S.; Rankin J.; Sanfilippo F.	2019	Heart Lung and Circulation	http://dx.doi.org/10.1016/j.hlc.2019.06.352	Abstract only
April 2020	Three-Dimensional Reconstruction of Cardiac Structures Using CT Images	Luis Lopez Diaz; Andersson Contreras Olmos; Alberto Cadena; Winston S. Percybrooks; Juan Pablo Tello P.	2018	Proceedings of the 2018 3rd International Conference on Biomedical Imaging, Signal Processing	10.1145/3288200.3288210	No NLP focus/details
April 2020	Identification of Normal and Abnormal Heart Sounds by Prominent Peak Analysis	M.G.M. Milani; Pg Emeroylariffion Abas; Liyanage C. De Silva	2019	Proceedings of the 2019 International Symposium on Signal Processing Systems	10.1145/3364908.3364924	No NLP focus/details
April 2020	A data mining approach to predict risk of cardiovascular	Ma, S.; Chen, X.	2019	AIP Conference Proceedings	10.1063/1.5085527	Non-cardiology focus
April 2020	Cloud-based Graphical Simulation Tool of ECG for Educational Purpose	Mabrook Al-Rakhami; Ahmad Alhamed	2016	Proceedings of the International Conference on Internet of things and Cloud Computing	10.1145/2896387.2896410	No NLP focus/details

April 2020	Natural Language Processing and the Promise of Big Data: Small Step Forward, but Many Miles to Go.	Maddox TM.; Matheny MA.	2015	Circulation. Cardiovascular quality and outcomes	10.1161/CIRCO UTCOMES.115. 002125	Non-cardiology focus
April 2020	Combining Structured and Unstructured Data for Predicting Risk of Readmission for Heart Failure Patients.	Mahajan SM.; Ghani R.	2019	Studies in health technology and informatics	10.3233/SHTI1 90219	Included
April 2020	Use of electronic medical records in development and validation of risk prediction models of hospital readmission: systematic review.	Mahmoudi E.; Kamdar N.; Kim N.; Gonzales G.; Singh K.; Waljee AK.	2020	BMJ (Clinical research ed.)	10.1136/bmj.m 958	Non-cardiology focus
April 2020	PM2.5-related health and economic loss assessment for 338 Chinese cities.	Maji KJ.; Ye WF.; Arora M.; Shiva Nagendra SM.	2018	Environment international	10.1016/j.envin t.2018.09.024	Non-cardiology focus
April 2020	PM >2.5 -related health and economic loss assessment for 338 Chinese cities	Maji, K.J.; Ye, W.-F.; Arora, M.; Shiva Nagendra, S.M.	2018	Environment International	10.1016/j.envin t.2018.09.024	Non-cardiology focus
April 2020	ECG Signal Processing with Haar-Schauder Multiwavelet	Makerem Zemni; Malika Jallouli; Anouar Ben Mabrouk; Mohamed Ali Mahjoub	2019	Proceedings of the 9th International Conference on Information Systems and Technologies	10.1145/33615 70.3361611	No NLP focus/details
April 2020	Thighrim and Calf-Life: A Study of the Conversion of Off-the-Shelf Video Games into Exergames	Mallory Ketcheson; Luke Walker; T.C. Nicholas Graham	2016	Proceedings of the 2016 CHI Conference on Human Factors in Computing Systems	10.1145/28580 36.2858406	No NLP focus/details
April 2020	Acute coronary syndromes in the community.	Manemann SM.; Gerber Y.; Chamberlain AM.; Dunlay SM.; Bell MR.; Jaffe AS.; Weston SA.; Killian JM.; Kors J.; Roger VL.	2015	Mayo Clinic proceedings	10.1016/j.mayo cp.2015.02.015	Similar study

April 2020	Decision Support System for Check-up Tracks in Prevention of Cardiac Diseases	Manuel Amv@rico Rocha; SV@rgio Miguel Santos; Antv≥nio LVjcio Baptista	2016	Proceedings of the Ninth International C* Conference on Computer Science & Software Engineering	10.1145/2948992.2949020	No NLP focus/details
April 2020	Validation of Prediction Models for Critical Care Outcomes Using Natural Language Processing of Electronic Health Record Data.	Marafino BJ.; Park M.; Davies JM.; Thombley R.; Luft HS.; Sing DC.; Kazi DS.; DeJong C.; Boscardin WJ.; Dean ML.; Dudley RA.	2018	JAMA network open	10.1001/jamanetworkopen.2018.5097	Non-cardiology focus
April 2020	Diagnostic Agents: Collaborative Interpretation for Cardiac Patients at Home	Maria Kvj¶rup; Stefania Kouzeli; Mikael B. Skov; Jesper Kjeldskov; Charlotte Schmidt Skov; Peter SV¶gaard	2018	Extended Abstracts of the 2018 CHI Conference on Human Factors in Computing Systems	10.1145/3170427.3188630	No NLP focus/details
April 2020	Healthcare System Based on the Smart Monitoring Bracelets and Sentiment Analysis	Marin, I.; Goga, N.	2018	2018 International Symposium on Fundamentals of Electrical Engineering, ISFEE 2018	10.1109/ISFEE.2018.8742428	Duplicate
April 2020	Sentiment Analysis Electronic Healthcare System Based on Heart Rate Monitoring Smart Bracelet	Marin, I.; Goga, N.; Doncescu, A.	2019	Proceedings - IEEE 11th International Conference on Service-Oriented Computing and Applications, SOCA 2018	10.1109/SOCA.2018.00022	Duplicate

April 2020	Application of natural language processing techniques to extract insights for pharmacovigilance from published literatures	Matsuda S.; Ohtomo T.	2019	Pharmacoepidemiology and Drug Safety	http://dx.doi.org/10.1002/pds.4864	Non-cardiology focus
April 2020	Use of text-mining methods to improve efficiency in the calculation of drug exposure to support pharmacoepidemiology studies.	McTaggart S.; Nangle C.; Caldwell J.; Alvarez-Madrado S.; Colhoun H.; Bennie M.	2018	International journal of epidemiology	10.1093/ije/dyx264	Non-cardiology focus
April 2020	Evidence-based clinical decision support systems for the prediction and detection of three disease states in critical care: A systematic literature review [version 2; peer review: 2 approved]	Medic G.; Kliess M.K.; Atallah L.; Weichert J.; Panda S.; Postma M.; El-Kerdi A.	2019	F1000Research	http://dx.doi.org/10.12688/f1000research.20498.1	Review/perspective article
April 2020	Evidence-based Clinical Decision Support Systems for the prediction and detection of three disease states in critical care: A systematic literature review.	Medic G.; Kosaner Klievü M.; Atallah L.; Weichert J.; Panda S.; Postma M.; El-Kerdi A.	2019	F1000Research	10.12688/f1000research.20498.2	Duplicate
April 2020	Establishing a continuum of acute kidney injury - tracing AKI using data source linkage and long-term follow-up: Workgroup Statements from the 15th ADQI Consensus Conference	Mehta, R.; Bihorac, A.; Selby, N.M.; Quan, H.; Goldstein, S.L.; Kellum, J.A.; Ronco, C.; Bagshaw, S.M.	2016	Canadian Journal of Kidney Health and Disease	10.1186/s40697-016-0102-0	Non-cardiology focus
April 2020	Congestive heart failure information extraction framework for automated treatment performance measures assessment.	Meystre SM.; Kim Y.; Gobbel GT.; Matheny ME.; Redd A.; Bray BE.; Garvin JH.	2017	Journal of the American Medical Informatics Association : JAMIA	10.1093/jamia/ocw097	Similar study
April 2020	Heart Failure Medications Detection and Prescription Status Classification in Clinical Narrative Documents.	Meystre SM.; Kim Y.; Heavirland J.; Williams J.; Bray BE.; Garvin J.	2015	Studies in health technology and informatics		Similar study
April 2020	LabelMerger: Learning activities in uncontrolled environments	Mirzadeh, S.I.; Ardo, J.; Fallahzadeh, R.; Minor, B.; Evangelista, L.; Cook, D.; Ghasemzadeh, H.	2019	Proceedings - 2019 1st International Conference on Transdisciplinary AI, TransAI 2019	10.1109/TransAI46475.2019.00019	Non-cardiology focus

April 2020	Surveillance After Treatment of Non-Small-Cell Lung Cancer: A Call for Multidisciplinary Standardization.	Mitchell KG.; Nelson DB.; Corsini EM.; Correa AM.; Erasmus JJ.; Hofstetter WL.; Mehran RJ.; Roth JA.; Swisher SG.; Sepesi B.; Walsh GL.; Vaporciyan AA.; Rice DC.; Nguyen QN.; Antonoff MB.		Innovations (Philadelphia, Pa.)	10.1177/1556984519886281	Non-cardiology focus
April 2020	Three-Sensor Portable Information System for Physiological Data Registration	Mitko Gospodinov; Krasimir Cheshmedzhiev	2019	Proceedings of the 20th International Conference on Computer Systems and Technologies	10.1145/3345252.3345281	Non-cardiology focus
April 2020	Towards the construction of a gold standard biomedical corpus for the Romanian language	Mitrofan, M.; Mititelu, V.B.; Mitrofan, G.	2018	Data	10.3390/data3040053	Non-English
April 2020	Textual analysis of collaboration notes of the telemedical heart failure network HerzMobil Tirol.	Modre-Osprian R.; Gruber K.; Kreiner K.; Schreier G.; Poelzl G.; Kastner P.	2015	Studies in health technology and informatics		No NLP focus/details
April 2020	Automated extraction of sudden cardiac death risk factors in hypertrophic cardiomyopathy patients by natural language processing.	Moon S.; Liu S.; Scott CG.; Samudrala S.; Abidian MM.; Geske JB.; Noseworthy PA.; Shellum JL.; Chaudhry R.; Ommen SR.; Nishimura RA.; Liu H.; Arruda-Olson AM.	2019	International journal of medical informatics	10.1016/j.ijmedinf.2019.05.008	Included
April 2020	An automated natural language processing algorithm to classify magnetic resonance imaging reports containing positive diagnoses of hypertrophic cardiomyopathy	Moon S.; Sagheb E.; Liu S.; Chen D.; Bos M.; Geske J.B.; Noseworthy P.A.; Ackerman M.J.; Shellum J.L.; Chaudhry R.; Ommen S.R.; Araoz P.A.; Nishimura R.A.; Liu H.; Arruda-Olson A.	2019	Circulation	http://dx.doi.org/10.1161/circ.140.suppl_1.13811	Abstract only

April 2020	Automated identification of sudden death risk phenotypes from electronic health records of patients with hypertrophic cardiomyopathy	Moon S.; Samudrala S.; Liu S.; Shellum J.L.; Ommen S.; Nishimura R.A.; Liu H.; Arruda-Olson A.	2018	Journal of the American College of Cardiology	http://dx.doi.org/10.1016/S0735-1097%2818%2931440-2	Abstract only
April 2020	Medical concept intersection between outside medical records and consultant notes: A case study in transferred cardiovascular patients	Moon, S.; Liu, S.; Kingsbury, P.; Chen, D.; Wang, Y.; Shen, F.; Chaudhry, R.; Liu, H.	2017	Proceedings - 2017 IEEE International Conference on Bioinformatics and Biomedicine, BIBM 2017	10.1109/BIBM.2017.8217883	Non-cardiology focus
April 2020	Streamlining and audio analysis device for doctor patient encounters	Moore S.P.; Cassidy B.M.; Herbert S.A.; Winkelman J.W.; Spencer-Bearham D.M.; Slepian M.J.	2019	ASAIO Journal	http://dx.doi.org/10.1097/MAT.00000000000001007	Non-cardiology focus
April 2020	Using predictive modeling to manage cardiovascular risk and improve kidney transplant outcomes	Moran W.; Zhang J.; Su Z.; Taber D.; Mauldin P.; Srinivas T.	2016	American Journal of Transplantation	http://dx.doi.org/10.1111/ajt.13897	Abstract only
April 2020	Automatic Classification of Ultrasound Screening Examinations of the Abdominal Aorta.	Morioka C.; Meng F.; Taira R.; Sayre J.; Zimmerman P.; Ishimitsu D.; Huang J.; Shen L.; El-Saden S.	2016	Journal of digital imaging	10.1007/s10278-016-9889-6	Similar study
April 2020	Pre-transplant bariatric surgery and one-year graft loss risk in kidney transplants	Mour G.; Zhang J.; Su Z.; Taber D.; Mauldin P.; Srinivas T.	2016	American Journal of Transplantation	http://dx.doi.org/10.1111/ajt.13897	Non-cardiology focus
April 2020	Development of a knowledge base to support the automatic classification of a computable ischemic stroke phenotype from electronic medical records	Mowery D.L.; Hill B.; Chapman W.W.; Cannon-Albright L.; Majersik J.J.	2017	Neurology: Genetics	http://dx.doi.org/10.1212/NXG.00000000000000136	Abstract only

April 2020	The Limb Leads ECG Signal Analysis in Inferior Myocardial Infarction Patients by Rule Base	Muankid, A.; Ketcham, M.	2018	2018 International Joint Symposium on Artificial Intelligence and Natural Language Processing, ISAI-NLP 2018 - Proceedings	10.1109/ISAI-NLP.2018.8692998	No NLP focus/details
April 2020	GWAS and enrichment analyses of non-alcoholic fatty liver disease identify new trait-associated genes and pathways across eMERGE Network.	Namjou B.; Lingren T.; Huang Y.; Parameswaran S.; Cobb BL.; Stanaway IB.; Connolly JJ.; Mentch FD.; Benoit B.; Niu X.; Wei WQ.; Carroll RJ.; Pacheco JA.; Harley ITW.; Divanovic S.; Carrell DS.; Larson EB.; Carey DJ.; Verma S.; Ritchie MD.; Gharavi AG.; Murphy S.; Williams MS.; Crosslin DR.; Jarvik GP.; Kullo IJ.; Hakonarson H.; Li R.; ; Xanthakos SA.; Harley JB.	2019	BMC medicine	10.1186/s12916-019-1364-z	Non-cardiology focus
April 2020	A Natural Language Processing Tool for Large-Scale Data Extraction from Echocardiography Reports.	Nath C.; Albaghdadi MS.; Jonnalagadda SR.	2016	PLoS one	10.1371/journal.pone.0153749	Included
April 2020	Improving identification of patients at high-risk for readmission using socio-behavioral patient characteristics	Navathe A.S.; Zhong F.; Lei V.; Chang F.Y.; Rocha R.A.; Zhou L.	2016	Journal of General Internal Medicine		Non-cardiology focus

April 2020	Hospital Readmission and Social Risk Factors Identified from Physician Notes.	Navathe AS.; Zhong F.; Lei VJ.; Chang FY.; Sordo M.; Topaz M.; Navathe SB.; Rocha RA.; Zhou L.	2018	Health services research	10.1111/1475-6773.12670	Non-cardiology focus
April 2020	Machine learning based improved automatic diagnosis of cardiac disorder	Neelesh Srivastava; Mansi Bhatnagar; Anjali Yadav; Malay Kishore Dutta; Carlos M Travieso	2019	Proceedings of the 2nd International Conference on Applications of Intelligent Systems	10.1145/3309772.3309783	No NLP focus/details
April 2020	GPU-based Acceleration of Detailed Tissue-Scale Cardiac Simulations	Neringa Altanaite; Johannes Langguth	2018	Proceedings of the 11th Workshop on General Purpose GPUs	10.1145/3180270.3180274	No NLP focus/details
April 2020	Closed-Loop Quantitative Verification of Rate-Adaptive Pacemakers	Nicola Paoletti; Andrea Patanv®; Marta Kwiatkowska	2018	ACM Trans. Cyber-Phys. Syst.	10.1145/3152767	No NLP focus/details
April 2020	How do Twitter, Wikipedia, and Harrison,Ãs principles of medicine describe heart attacks?	Nikhil Devraj; Michael Chary	2015	Proceedings of the 6th ACM Conference on Bioinformatics, Computational Biology and Health Informatics	10.1145/2808719.2812591	No NLP focus/details
April 2020	Complex event recognition in the big data era	Nikos Giatrakos; Alexander Artikis; Antonios Deligiannakis; Minos Garofalakis	2017	Proc. VLDB Endow.	10.14778/3137765.3137829	Non-cardiology focus
April 2020	Treatment of Neuroblastoma with an Engineered "Obligate" Anaerobic Salmonella typhimurium Strain YB1.	Ning BT.; Yu B.; Chan S.; Chan JL.; Huang JD.; Chan GC.	2017	Journal of Cancer	10.7150/jca.18776	Non-cardiology focus

April 2020	Limited alignment of publicly competitive disease funding with disease burden in Japan.	Nomura S.; Yoneoka D.; Tanaka S.; Makuuchi R.; Sakamoto H.; Ishizuka A.; Nakamura H.; Kubota A.; Shibuya K.	2020	PloS one	10.1371/journal.pone.0228542	Non-cardiology focus
April 2020	Interim results on the relationship between mild-moderate and severe hypoglycaemia and cardiovascular disease in a cohort of sulfonylurea users	Nunes A.P.; Yang J.; Tunceli K.; Kurtyka K.; Radican L.; Engel S.S.; Yu S.; Doherty M.C.; Dore D.D.	2015	Diabetologia	http://dx.doi.org/10.1007/s00125-015-3687-4	Abstract only
April 2020	A Framework for Enhancing the Query and Medical Record Representations for Patient Search	Nut Limsopatham	2015	SIGIR Forum	10.1145/2795403.2795420	Non-cardiology focus
April 2020	Unsupervised Abbreviation Expansion in Clinical Narratives.	Oleynik M.; Kreuzthaler M.; Schulz S.	2017	Studies in health technology and informatics		Non-cardiology focus
April 2020	Design and Evaluation of a Person-Centric Heart Monitoring System over Fog Computing Infrastructure	Orestis Akrivopoulos; Dimitrios Amaxilatis; Athanasios Antoniou; Ioannis Chatzigiannakis	2017	Proceedings of the First International Workshop on Human-centered Sensing, Networking, and Systems	10.1145/3144730.3144736	No NLP focus/details
April 2020	Natural language processing identifies an association between Canadian cardiovascular society angina severity and mortality within the department of veterans affairs	Owlia M.; Dodson J.A.; DuVall S.L.; LaFleur J.; Patterson O.; Shah R.; Sedlis S.P.; Bress A.	2017	Circulation: Cardiovascular Quality and Outcomes		Abstract only
April 2020	Angina Severity, Mortality, and Healthcare Utilization Among Veterans With Stable Angina.	Owlia M.; Dodson JA.; King JB.; Derington CG.; Herrick JS.; Sedlis SP.; Crook J.; DuVall SL.; LaFleur J.; Nelson R.; Patterson OV.; Shah RU.; Bress AP.	2019	Journal of the American Heart Association	10.1161/JAHA.119.012811	Included

April 2020	Automatically Structuring on Chinese Ultrasound Report of Cerebrovascular Diseases via Natural Language Processing	P. Chen; Q. Liu; L. Wei; B. Zhao; Y. Jia; H. Lv; X. Fei	2019	IEEE Access	10.1109/ACCESS.2019.2923221	Similar study
April 2020	Big Data: What Is It and What Does It Mean for Cardiovascular Research and Prevention Policy	Pah A.R.; Rasmussen-Torvik L.J.; Goel S.; Greenland P.; Kho A.N.	2015	Current Cardiovascular Risk Reports	http://dx.doi.org/10.1007/s12170-014-0424-3	Review/perspective article
April 2020	Using EHRs and Machine Learning for Heart Failure Survival Analysis.	Panahiazar M.; Taslimitehrani V.; Pereira N.; Pathak J.	2015	Studies in health technology and informatics		No NLP focus/details
April 2020	Upper gastrointestinal complications following ablation therapy for atrial fibrillation.	Park S.Y.; Camilleri M.; Packer D.; Monahan K.	2017	Neurogastroenterology and motility : the official journal of the European Gastrointestinal Motility Society	10.1111/nmo.13109	Non-cardiology focus
April 2020	Development and Evaluation of a Case-Based Retrieval Service.	Pasche E.; Chinali M.; Gobeill J.; Ruch P.	2017	Studies in health technology and informatics		Non-cardiology focus
April 2020	Assessing Information Congruence of Documented Cardiovascular Disease between Electronic Dental and Medical Records.	Patel J.; Mowery D.; Krishnan A.; Thyvalikakath T.	2018	AMIA ... Annual Symposium proceedings. AMIA Symposium		Non-cardiology focus
April 2020	Developing an algorithm to curate a heart failure with preserved ejection fraction cohort in a large database	Patel Y.R.; Robbins J.; Kurgansky K.; Gadiraju T.; Imran T.; Cho K.; Gagnon D.; Gaziano J.M.; Joseph J.	2016	Journal of the American College of Cardiology		Abstract only

April 2020	Development and validation of a heart failure with preserved ejection fraction cohort using electronic medical records.	Patel YR.; Robbins JM.; Kurgansky KE.; Imran T.; Orkaby AR.; McLean RR.; Ho YL.; Cho K.; Michael Gaziano J.; Djousse L.; Gagnon DR.; Joseph J.	2018	BMC cardiovascular disorders	10.1186/s12872-018-0866-5	Included
April 2020	Unlocking echocardiogram measurements for heart disease research through natural language processing.	Patterson OV.; Freiberg MS.; Skanderson M.; J Fodeh S.; Brandt CA.; DuVall SL.	2017	BMC cardiovascular disorders	10.1186/s12872-017-0580-8	Included
April 2020	Extraction of Vital Signs from Clinical Notes.	Patterson OV.; Jones M.; Yao Y.; Viernes B.; Alba PR.; Iwashyna TJ.; DuVall SL.	2015	Studies in health technology and informatics		Non-cardiology focus
April 2020	The electronic health record as a catalyst for quality improvement in patient care.	Payne TH.	2016	Heart (British Cardiac Society)	10.1136/heartjnl-2015-308724	Non-cardiology focus
April 2020	Healthcare Sensor Data Management on the Cloud	Pelagia Tsiachri Renta; Stelios Sotiriadis; Euripides G.M. Petrakis	2017	Proceedings of the 2017 Workshop on Adaptive Resource Management and Scheduling for Cloud Computing	10.1145/3110355.3110359	Non-cardiology focus
April 2020	Platelet to lymphocyte ratio and neutrophil to lymphocyte ratio in patients with rheumatoid arthritis.	Peng YF.; Cao L.; Zeng YH.; Zhang ZX.; Chen D.; Zhang Q.; Zhu YS.	2015	Open medicine (Warsaw, Poland)	10.1515/med-2015-0037	Non-cardiology focus

April 2020	The application of cognitive computing technology in genomics in precision oncological medicine: The Sistemas Genomicos Experience	Perez L.; Cantalapiedra D.; Valero-Hervas D.; Duran I.; Calvete O.; Wang C.-K.; Martinez-Laperche C.; Gonzalez-Neira A.; Felipe-Ponce V.; Olmo S.L.; Garcia J.; Mico C.C.; Pedrosa V.F.; Minambres R.; Buno Borde I.; Santillan S.; Urman A.; Saiz F.J.S.; Moya C.M.	2018	Journal of Clinical Oncology	http://dx.doi.org/10.1200/JCO.2018.36.15-suppl.e18544	Non-cardiology focus
April 2020	A picture,Ãs meaning: The design and evaluation of pictographs illustrating patient discharge instructions	Perri, S.; Argo, L.; Kuang, J.; Bui, D.; Hill, B.; Bray, B.; Treitler-Zeng, Q.	2015	Journal of Communication in Healthcare	10.1080/17538068.2016.1145877	No NLP focus/details
April 2020	Home Health Care: Nurse-Physician Communication, Patient Severity, and Hospital Readmission.	Pesko MF.; Gerber LM.; Peng TR.; Press MJ.	2018	Health services research	10.1111/1475-6773.12667	Non-cardiology focus
April 2020	Can Alexa, Cortana, Google Assistant and Siri save your life? A mixed-methods analysis of virtual digital assistants and their responses to first aid and basic life support queries	Picard C.; Smith K.E.; Picard K.; Douma M.J.	2020	BMJ Innovations	http://dx.doi.org/10.1136/bmjinnov-2018-000326	No NLP focus/details
April 2020	Can donor narratives yield insights? A natural language processing proof of concept to facilitate kidney allocation	Placona A.M.; Martinez C.; McGehee H.; Carrico B.; Klassen D.K.; Stewart D.	2019	American Journal of Transplantation	http://dx.doi.org/10.1111/ajt.15705	Non-cardiology focus
April 2020	Can donor narratives yield insights? A natural language processing proof of concept to facilitate kidney allocation.	Placona AM.; Martinez C.; McGehee H.; Carrico B.; Klassen DK.; Stewart D.	2020	American journal of transplantation : official journal of the American Society of Transplantation and the American Society of Transplant Surgeons	10.1111/ajt.15705	Duplicate

April 2020	Evaluating the Portability of an {NLP} System for Processing Echocardiograms: A Retrospective, Multi-site Observational Study	Prakash Adekkanattu and; Guoqian Jiang and; Yuan Luo and; Paul R. Kingsbury and; Zhenxing Xu and; Luke V. Rasmussen and; Jennifer A. Pacheco and; Richard C. Kiefer and; Daniel J. Stone and; Pascal S. Brandt and; Liang Yao and; Yizhen Zhong and; Yu Deng and; Fei Wang and; Jessica S. Ancker and; Thomas R. Campion Jr. and; Jyotishman Pathak	2019	arXiv pre-print		Included
April 2020	Medical instructional media in human body systems using 3D projection mapping	Pramkeaw, P.	2018	Advances in Intelligent Systems and Computing	10.1007/978-3-319-70016-8_20	Non-cardiology focus
April 2020	Postdischarge Communication Between Home Health Nurses and Physicians: Measurement, Quality, and Outcomes.	Press MJ.; Gerber LM.; Peng TR.; Pesko MF.; Feldman PH.; Ouchida K.; Sridharan S.; Bao Y.; Barron Y.; Casalino LP.	2015	Journal of the American Geriatrics Society	10.1111/jgs.13491	Non-cardiology focus
April 2020	Relevance of Participatory Approaches in Creating ICT Systems for Public Health Programmes	Priyanka Ivatury; Angel Jeena; Amit Prakash	2017	Proceedings of the 10th International Conference on Theory and Practice of Electronic Governance	10.1145/3047273.3047370	Non-cardiology focus

April 2020	A rhythm analysis-based model to predict sedentary behaviors	Qian He; Emmanuel O. Agu	2017	Proceedings of the Second IEEE/ACM International Conference on Connected Health: Applications, Systems and Engineering Technologies	10.1109/chase.2017.122	No NLP focus/details
April 2020	Two Case Studies of Experience Prototyping Machine Learning Systems in the Wild	Qian Yang	2019	arXiv pre-print		Non-cardiology focus
April 2020	Classification Techniques Used in Sentiment Analysis & Prediction of Heart Disease using Data Mining Techniques: Review	Rahul; H. Bansal; Monika	2019	2019 International Conference on Issues and Challenges in Intelligent Computing Techniques (ICICT)	10.1109/ICICT46931.2019.8977707	Review/perspective article
April 2020	Modular quantitative monitoring	Rajeev Alur; Konstantinos Mamouras; Caleb Stanford	2019	Proc. ACM Program. Lang.	10.1145/3290363	No NLP focus/details
April 2020	Recorded poor insight as a predictor of service use outcomes: cohort study of patients with first-episode psychosis in a large mental healthcare database.	Ramu N.; Kolliakou A.; Sanyal J.; Patel R.; Stewart R.	2019	BMJ open	10.1136/bmjopen-2019-028929	Non-cardiology focus
April 2020	Got Flow? Using Machine Learning on Physiological Data to Classify Flow	Raphael Rissler; Mario Nadj; Maximilian Xiling Li; Michael Thomas Knierim; Alexander Maedche	2018	Extended Abstracts of the 2018 CHI Conference on Human Factors in Computing Systems	10.1145/3170427.3188480	No NLP focus/details

April 2020	Cognitive imaging: Using knowledge representation for reliable segmentation of MR angiography data	Rayz, J.T.; Rayz, V.L.; Raskin, V.	2017	Proceedings of 2017 IEEE 16th International Conference on Cognitive Informatics and Cognitive Computing, ICCI*CC 2017	10.1109/ICCI-CC.2017.8109727	No NLP focus/details
April 2020	PMU120 CRITICAL REVIEW OF VALIDATION STUDIES OF NATURAL LANGUAGE PROCESSING TECHNIQUES APPLIED TO INFORMATION FROM ELECTRONIC MEDICAL RECORDS DURING THE LAST 5 YEARS	Rebollo P.; Celik H.; Cerezales M.; Wilke T.	2019	Value in Health	http://dx.doi.org/10.1016/j.jval.2019.09.1738	Abstract only
April 2020	Determinants of Smoking and Quitting in HIV-Infected Individuals.	Regan S.; Meigs JB.; Grinspoon SK.; Triant VA.	2016	PloS one	10.1371/journal.pone.0153103	Non-cardiology focus
April 2020	Adverse Drug Reaction Detection in Social Media by Deepm Learning Methods.	Rezaei Z.; Ebrahimpour-Komleh H.; Eslami B.; Chavoshinejad R.; Totonchi M.	2020	Cell journal	10.22074/cellj.2020.6615	Non-cardiology focus
April 2020	Deep Learning Approaches Outperform Conventional Strategies in De-Identification of German Medical Reports.	Richter-Pechanski P.; Amr A.; Katus HA.; Dieterich C.	2019	Studies in health technology and informatics	10.3233/SHT1190813	Non-cardiology focus
April 2020	De-Identification of German Medical Admission Notes.	Richter-Pechanski P.; Riezler S.; Dieterich C.	2018	Studies in health technology and informatics		Non-cardiology focus
April 2020	Differences in statin utilization and lipid lowering by race, ethnicity, and HIV status in a real-world cohort of persons with human immunodeficiency virus and uninfected persons.	Riesterberg RA.; Furman A.; Cowen A.; Pawlowksi A.; Schneider D.; Lewis AA.; Kelly S.; Taiwo B.; Achenbach C.; Palella F.; Stone NJ.; Lloyd-Jones DM.; Feinstein MJ.	2019	American heart journal	10.1016/j.ahj.2018.11.012	No NLP focus/details

April 2020	The role of fine-grained annotations in supervised recognition of risk factors for heart disease from EHRs	Roberts K.; Shooshan S.E.; Rodriguez L.; Abhyankar S.; Kilicoglu H.; Demner-Fushman D.	2015	Journal of Biomedical Informatics	http://dx.doi.org/10.1016/j.jbi.2015.06.010	Non-cardiology focus
April 2020	The role of fine-grained annotations in supervised recognition of risk factors for heart disease from EHRs.	Roberts K.; Shooshan SE.; Rodriguez L.; Abhyankar S.; Kilicoglu H.; Demner-Fushman D.	2015	Journal of biomedical informatics	10.1016/j.jbi.2015.06.010	Duplicate
April 2020	Effects of Different Periodization Strategies of Combined Aerobic and Strength Training on Heart Rate Variability in Older Women.	Rodrigues JAL.; Santos BC.; Medeiros LH.; Gonv̂alves TCP.; JV̂nior CRB.	2019	Journal of strength and conditioning research	10.1519/JSC.0000000000003013	No NLP focus/details
April 2020	Secure NoSQL Based Medical Data Processing and Retrieval: The Exposome Project	Roshan Ramprasad Shetty; Akalanka Mailewa Dissanayaka; Susan Mengel; Lisa Gittner; Ravi Vadapalli; Hafiz Khan	2017	Companion Proceedings of the 10th International Conference on Utility and Cloud Computing	10.1145/3147234.3148132	Non-cardiology focus

April 2020	Personalized and automated remote monitoring of atrial fibrillation.	Rosier A.; Mabo P.; Temal L.; Van Hille P.; Dameron O.; DelV@ger L.; Grouin C.; Zweigenbaum P.; Jacques J.; Chazard E.; Laporte L.; Henry C.; Burgun A.	2016	Europace : European pacing, arrhythmias, and cardiac electrophysio logy : journal of the working groups on cardiac pacing, arrhythmias, and cardiac cellular electrophysio logy of the European Society of Cardiology	10.1093/europ ace/euv234	Included
April 2020	Remote Monitoring of Cardiac Implantable Devices: Ontology Driven Classification of the Alerts.	Rosier A.; Mabo P.; Temal L.; Van Hille P.; Dameron O.; Deleger L.; Grouin C.; Zweigenbaum P.; Jacques J.; Chazard E.; Laporte L.; Henry C.; Burgun A.	2016	Studies in health technology and informatics		Similar study
April 2020	Exploring identifiers of research articles related to food and disease using artificial intelligence	Ross, M.; Mahmoud, E.S.; Abdel-Aal, E.-S.M.	2018	International Journal of Advanced Computer Science and Applications	10.14569/IJACS A.2018.091101	Non-cardiology focus
April 2020	Non-redundant association rules between diseases and medications: an automated method for knowledge base construction.	Sv@verac F.; Sauleau EA. Meyer N.; Lefv@vre H.; Nisand G.; Jay N.	2015	BMC medical informatics and decision making	10.1186/s1291 1-015-0151-9	Non-cardiology focus

April 2020	Prediction of venous thromboembolism using semantic and sentiment analyses of clinical narratives.	Sabra S.; Mahmood Malik K.; Alobaidi M.	2018	Computers in biology and medicine	10.1016/j.compbiomed.2017.12.026	Non-cardiology focus
April 2020	A preliminary investigation with twitter to augment CVD exposome research	Sada, D.M.; Mengel, S.; Gittner, L.S.; Khan, H.; Pitalua Rodriguez, M.A.; Vadapalli, R.	2017	BDCAT 2017 - Proceedings of the 4th IEEE/ACM International Conference on Big Data Computing, Applications and Technologies	10.1145/3148055.3148074	No NLP focus/details
April 2020	Towards circadian computing: a sensing & intervention framework for BodyClock friendly technology	Saeed Abdullah	2015	Adjunct Proceedings of the 2015 ACM International Joint Conference on Pervasive and Ubiquitous Computing and Proceedings of the 2015 ACM International Symposium on Wearable Computers	10.1145/2800835.2801657	Non-cardiology focus
April 2020	Implementation of the algorithms of ECG signal processing on embedded architectures: a survey	Safa Mejhoudi; Rachid Latif; Ahmed Toumanari; Abdehafid Elouardi; Wissam Jenkal	2017	Proceedings of the Mediterranean Symposium on Smart City Application	10.1145/3175628.3175632	No NLP focus/details
April 2020	Complex analyses on clinical information systems using restricted natural language querying to resolve time-event dependencies.	Safari L.; Patrick JD.	2018	Journal of biomedical informatics	10.1016/j.jbi.2018.04.004	Non-cardiology focus

April 2020	Rapid identification of familial hypercholesterolemia from electronic health records	Safarova M.S.; Liu H.; Kullo I.J.	2015	Circulation		Included
April 2020	Rapid identification of familial hypercholesterolemia from electronic health records: The SEARCH study.	Safarova MS.; Liu H.; Kullo IJ.		Journal of clinical lipidology	10.1016/j.jacl.2016.08.001	Duplicate
April 2020	ADDHard: Arrhythmia Detection with Digital Hardware by Learning ECG Signal	Sai Manoj Pudukotai Dinakarrao; Axel Jantsch	2018	Proceedings of the 2018 on Great Lakes Symposium on VLSI	10.1145/3194554.3194647	No NLP focus/details
April 2020	Sketch-based Registration of 3D Cine MRI to 4D flow MRI	Samin Sabokrohiyeh; Kathleen Ang; Mohammed Elbaz; Faramarz Samavati	2019	Proceedings of the 2019 11th International Conference on Bioinformatics and Biomedical Technology	10.1145/3340074.3340094	No NLP focus/details
April 2020	Simulation modelling for the implementation appraisal of cardiovascular device implants	Samuel Omoniyi; Navonil Mustafee; Andi Smart	2018	Proceedings of the 2018 Winter Simulation Conference		No NLP focus/details
April 2020	Identification of patients with ventilator associated pneumonia using clinicaltime, a temporal abstractions and temporal pattern matching system	Santa Maria J.; Gomez I.; Daza C.; Trincado J.; Barbe M.; Capurro D.	2016	European Journal of Epidemiology	http://dx.doi.org/10.1007/s10654-016-0183-1	Non-cardiology focus
April 2020	Mapping Clinical Practice Guidelines to SWRL Rules	Sbissi, S.; Mahfoudh, M.; Gattoufi, S.	2019	Advances in Intelligent Systems and Computing	10.1007/978-3-030-16181-1_27	Non-cardiology focus
April 2020	Assigning clinical codes with data-driven concept representation on Dutch clinical free text.	Scheurwegs E.; Luyckx K.; Luyten L.; Goethals B.; Daelemans W.	2017	Journal of biomedical informatics	10.1016/j.jbi.2017.04.007	Non-cardiology focus

April 2020	Comprehensive patient-specific information preprocessing for cardiac surgery simulations.	Schoch N.; Kivüler F.; Stoll M.; Engelhardt S.; de Simone R.; Wolf I.; Bendl R.; Heuveline V.	2016	International journal of computer assisted radiology and surgery	10.1007/s11548-016-1397-0	No NLP focus/details
April 2020	The Relational Way To Dam The Flood Of Genome Data	Sebastian Dorok	2015	Proceedings of the 2015 ACM SIGMOD on PhD Symposium	10.1145/2744680.2744692	Non-cardiology focus
April 2020	SemNet: Using Local Features to Navigate the Biomedical Concept Graph.	Sedler AR.; Mitchell CS.	2019	Frontiers in bioengineering and biotechnology	10.3389/fbioe.2019.00156	Non-cardiology focus
April 2020	Test battery for assessment of cognitive function in older employees: performance, brain processes, and cardiovascular costs	Sergei A. Schapkin; Xenija Weiübecker-Klaus	2015	Proceedings of the 8th ACM International Conference on Pervasive Technologies Related to Assistive Environments	10.1145/2769493.2769553	No NLP focus/details
April 2020	Natural language processing for disease phenotyping in UK primary care records for research: a pilot study in myocardial infarction and death.	Shah AD.; Bailey E.; Williams T.; Denaxas S.; Dobson R.; Hemingway H.	2019	Journal of biomedical semantics	10.1186/s13326-019-0214-4	Included
April 2020	Frailty and cardiovascular surgery, deep neural network versus support vector machine to predict death	Shah R.; Shao Y.; Doing-Harris K.; Weir C.; Cheng Y.; Bray B.; Zeng Q.	2018	Journal of the American College of Cardiology	http://dx.doi.org/10.1016/S0735-1097(2018)931898-9	Abstract only

April 2020	Impact of Different Electronic Cohort Definitions to Identify Patients With Atrial Fibrillation From the Electronic Medical Record.	Shah RU.; Mukherjee R.; Zhang Y.; Jones AE.; Springer J.; Hackett I.; Steinberg BA.; Lloyd-Jones DM.; Chapman WW.	2020	Journal of the American Heart Association	10.1161/JAHA.119.014527	Included
April 2020	ECG sonification: a new approach for diagnosis of cardiac pathologies	Shaid Hasan; Iqbal Kabir; Pratic A Muntakim	2019	Proceedings of the 6th International Conference on Networking, Systems and Security	10.1145/3362966.3362968	No NLP focus/details
April 2020	Phenotypic clusters derived from clinical notes of patients with respiratory failure	Sharma B.; Dligach D.; Joyce C.; Littleton S.W.; Afshar M.	2019	American Journal of Respiratory and Critical Care Medicine		Non-cardiology focus
April 2020	Natural Language Processing of Clinical Notes on Chronic Diseases: Systematic Review.	Sheikhalishahi S.; Miotto R.; Dudley JT.; Lavelli A.; Rinaldi F.; Osmani V.	2019	JMIR medical informatics	10.2196/12239	Review/perspective article
April 2020	Automatic knowledge extraction and data mining from echo reports of pediatric heart disease: Application on clinical decision support	Shi, Y.; Li, Z.; Jia, Z.; Hu, B.; Ju, M.; Zhang, X.; Li, H.	2015	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	10.1007/978-3-319-25816-4_34	Included

April 2020	Automatic data source identification for clinical trial eligibility criteria resolution.	Shivade C.; Hebert C.; Regan K.; Fosler-Lussier E.; Lai AM.	2016	AMIA ... Annual Symposium proceedings. AMIA Symposium		Non-cardiology focus
April 2020	Comparison of UMLS terminologies to identify risk of heart disease using clinical notes	Shivade C.; Malewadkar P.; Fosler-Lussier E.; Lai A.M.	2015	Journal of Biomedical Informatics	http://dx.doi.org/10.1016/j.jbi.2015.08.025	Non-cardiology focus
April 2020	Comparison of UMLS terminologies to identify risk of heart disease using clinical notes.	Shivade C.; Malewadkar P.; Fosler-Lussier E.; Lai AM.	2015	Journal of biomedical informatics	10.1016/j.jbi.2015.08.025	Duplicate
April 2020	Imaging heart failure with artificial intelligence improving the realism of synthetic wisdom	Shrestha S.; Sengupta P.P.	2018	Circulation: Cardiovascular Imaging	http://dx.doi.org/10.1161/CIRCIMAGING.118.007723	No NLP focus/details
April 2020	Novel Statistical Post Processing to Improve Blood Pressure Estimation from Smartphone Photoplethysmogram	Shreyasi Datta; Anirban Dutta Choudhury; Arijit Chowdhury; Tanushree Banerjee; Rohan Banerjee; Sakyajit Bhattacharya; Arpan Pal; Kayapanda M. Mandana	2017	Proceedings of the First International Workshop on Human-centered Sensing, Networking, and Systems	10.1145/3144730.3144737	No NLP focus/details
April 2020	SRCNN: Cardiovascular Vulnerable Plaque Recognition with Salient Region Proposal Networks	Sijie Liu; Yangyang Deng; Jingmin Xin; Weiliang Zuo; Peiwen Shi; Nanning Zheng	2018	Proceedings of the 2nd International Conference on Graphics and Signal Processing	10.1145/3282286.3282297	No NLP focus/details
April 2020	A Baseline Patient Model to Support Testing of Medical Cyber-Physical Systems.	Silva LC.; Perkusich M.; Almeida HO.; Perkusich A.; Lima MA.; GorgVñnio KC.	2015	Studies in health technology and informatics		No NLP focus/details

April 2020	In reply	Sinnenberg L.; Asch D.A.; Merchant R.M.	2017	JAMA Cardiology	http://dx.doi.org/10.1001/jama.cardio.2017.0197	No NLP focus/details
April 2020	Multiple novel plasma biomarkers are associated with aortic stenosis	Small A.; Kiss D.; Chirinos J.; Damrauer S.; Giri J.; Guerraty M.; Ferrari G.; Rader D.	2016	Circulation		Abstract only
April 2020	FIB-4 stage of liver fibrosis is associated with incident heart failure with preserved, but not reduced, ejection fraction among people with and without HIV or hepatitis C.	So-Armah KA.; Lim JK.; Re VL.; Tate JP.; Chang CH.; Butt AA.; Gibert CL.; Rimland D.; Marconi VC.; Goetz MB.; Ramachandran V.; Brittain E.; Long M.; Nguyen KL.; Rodriguez-Barradas MC.; Budoff MJ.; Tindle HA.; Samet JH.; Justice AC.; Freiberg MS.; .	2020	Progress in cardiovascular diseases	10.1016/j.pcad.2020.02.010	No NLP focus/details
April 2020	Novel machine learning and statistical learning approaches in neurology	Sokolowska B.	2018	Folia Neuropathologica	http://dx.doi.org/10.5114/fn.2018.78705	Non-cardiology focus
April 2020	Deep learning to convert unstructured CT pulmonary angiography reports into structured reports.	Spandorfer A.; Branch C.; Sharma P.; Sahbaee P.; Schoepf UJ.; Ravenel JG.; Nance JW.	2019	European radiology experimental	10.1186/s41747-019-0118-1	Non-cardiology focus
April 2020	Correction of Aliasing in Color Doppler Echocardiography Based on Image Processing Technique in Echodynamography	Sri Oktamuliani; Kaoru Hasegawa; Yoshifumi Saijo	2018	Proceedings of the 3rd International Conference on Biomedical Signal and Image Processing	10.1145/327829.3278233	No NLP focus/details

April 2020	Big data predictive solution to optimize kidney transplant outcome and resource utilization	Srinivas T.; Northrup D.; Mauldin P.; Taber D.; Su Z.; Zhang J.; Daniels M.; Moran W.	2016	American Journal of Transplantation	http://dx.doi.org/10.1111/ajt.13897	Non-cardiology focus
April 2020	One-year graft loss risk in kidney transplants-a big data approach	Srinivas T.; Taber D.; Zhang J.; Su Z.; Marsden J.; Tripathi A.; Moran W.; Mauldin P.	2016	American Journal of Transplantation	http://dx.doi.org/10.1111/ajt.13898	Non-cardiology focus
April 2020	A big data approach to prediction of three-year graft loss risk in kidney transplants: Structured and unstructured dynamic patient level data improve predictive efficacy	Srinivas T.; Zhang J.; Su Z.; Marsden J.; Anwar H.; Tripathy A.; Taber D.; Moran W.; Mauldin P.	2016	Transplantation	http://dx.doi.org/10.1097/01.tp.0000490147.72544.1a	Non-cardiology focus
April 2020	Three-year graft loss risk in kidney transplants: Dynamic patient level data improve predictive efficacy	Srinivas T.; Zhang J.; Su Z.; Taber D.; Marsden J.; Reilly K.; Northrup D.; Long J.; Lenert L.; Moran W.; Mauldin P.	2016	American Journal of Transplantation	http://dx.doi.org/10.1111/ajt.13897	Non-cardiology focus
April 2020	Early Prediction of Cardiac Arrest (Code Blue) using Electronic Medical Records	Sriram Somanchi; Samrachana Adhikari; Allen Lin; Elena Eneva; Rayid Ghani	2015	Proceedings of the 21th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining	10.1145/2783258.2788588	No NLP focus/details
April 2020	A Taxonomy on Machine Learning Based Techniques to Identify the Heart Disease	Srivastava, A.K.; Singh, P.K.; Kumar, Y.	2019	Communications in Computer and Information Science	10.1007/978-981-15-1718-1_2	Review/perspective article
April 2020	Natural language processing methods enhance mace identification from electronic health records	St Laurent S.; Guo M.; Alfonso R.; Okoro T.; Johansen K.; Dember L.; Lindsay A.	2018	Value in Health		Abstract only

April 2020	Identifying risk factors for heart disease over time: Overview of 2014 i2b2/UTHealth shared task Track 2.	Stubbs A.; Kotfila C.; Xu H.; Uzuner vñ.	2015	Journal of biomedical informatics	10.1016/j.jbi.2015.07.001	Duplicate
April 2020	Identifying risk factors for heart disease over time: Overview of 2014 i2b2/UTHealth shared task Track 2	Stubbs A.; Kotfila C.; Xu H.; Uzuner O.	2015	Journal of Biomedical Informatics	http://dx.doi.org/10.1016/j.jbi.2015.07.001	Non-cardiology focus
April 2020	Annotating risk factors for heart disease in clinical narratives for diabetic patients.	Stubbs A.; Uzuner vñ.	2015	Journal of biomedical informatics	10.1016/j.jbi.2015.05.009	Non-cardiology focus
April 2020	Annotating risk factors for heart disease in clinical narratives for diabetic patients	Stubbs A.; Uzuner O.	2015	Journal of Biomedical Informatics	http://dx.doi.org/10.1016/j.jbi.2015.05.009	Duplicate
April 2020	Developing a cardiovascular disease risk factor annotated corpus of Chinese electronic medical records.	Su J.; He B.; Guan Y.; Jiang J.; Yang J.	2017	BMC medical informatics and decision making	10.1186/s12911-017-0512-7	Non-cardiology focus
April 2020	Real-World Data Analysis of Implantable Cardioverter Defibrillator (ICD) in Patients with Hypertrophic Cardiomyopathy (HCM)	Sungrim Moon and Andrew Wen and Christopher G. Scott and Michael J. Ackerman and Jeffrey B. Geske and Peter A. Noseworthy and Steve R Ommen and Jane L Shellum and Hongfang Liu and Rick A. Nishimura	2020	arXiv pre-print		Included
April 2020	A Grounded Approach for Applying Behavior Change Techniques in Mobile Cardiac Tele-Rehabilitation	Supraja Sankaran; Ines Frederix; Mieke Haesen; Paul Dendale; Kris Luyten; Karin Coninx	2016	Proceedings of the 9th ACM International Conference on Pervasive Technologies Related to Assistive Environments	10.1145/2910674.2910680	No NLP focus/details

April 2020	Identification of Sudden Cardiac Arrest (SCA) using Modified Wavelet Transform	Syed Hassaan Ahmed; Nauman Razaq; Tahir Zaidi	2017	Proceedings of the 2nd International Conference on Biomedical Signal and Image Processing	10.1145/3133793.3133799	No NLP focus/details
April 2020	A Smart Heart Beat Analytics System Using Wearable Device	T. Tariq; R. M. A. Latif; M. Farhan; A. Abbas; F. Ijaz	2019	2019 2nd International Conference on Communication , Computing and Digital systems (C-CODE)	10.1109/C-CODE.2019.8680983	No NLP focus/details
April 2020	Comparison of 2 Natural Language Processing Methods for Identification of Bleeding Among Critically Ill Patients.	Taggart M.; Chapman WW.; Steinberg BA.; Ruckel S.; Pregenzer-Wenzler A.; Du Y.; Ferraro J.; Bucher BT.; Lloyd-Jones DM.; Rondina MT.; Shah RU.	2018	JAMA network open	10.1001/jamanetworkopen.2018.3451	Non-cardiology focus
April 2020	Medical text categorization using SEBLA and Kernel Discriminant Analysis	Tahir, M.A.; Khan, E.; Al Salem, A.	2015	2015 2nd World Symposium on Web Applications and Networking, WSWAN 2015	10.1109/WSWAN.2015.7210310	Non-cardiology focus
April 2020	Auth ,Ån,Å Scan: Opportunistic Photoplethysmography in Mobile Fingerprint Authentication	Takahiro Hashizume; Takuya Arizono; Koji Yatani	2018	Proc. ACM Interact. Mob. Wearable Ubiquitous Technol.	10.1145/3161189	No NLP focus/details

April 2020	Convolutional neural network regression for short-axis left ventricle segmentation in cardiac cine MR sequences	Tan, L.K.; Liew, Y.M.; Lim, E.; McLaughlin, R.A.	2017	Medical Image Analysis	10.1016/j.media.2017.04.002	No NLP focus/details
April 2020	Evaluation of a Multi-Tier Heterogeneous Sensor Network for Patient Monitoring: The Case of Benin	Thierry Oscar C. Edoh; Athanase Atchome; Bidossessi R.U. Alahassa; Pravin Pawar	2016	Proceedings of the 2016 ACM Workshop on Multimedia for Personal Health and Health Care	10.1145/2985766.2985772	Non-cardiology focus
April 2020	Implementing Artificial Intelligence and Digital Health in Resource-Limited Settings? Top 10 Lessons We Learned in Congenital Heart Defects and Cardiology.	Thomford NE.; Bope CD.; Agamah FE.; Dzobo K.; Owusu Ateko R.; Chimusa E.; Mazandu GK.; Ntumba SB.; Dandara C.; Wonkam A.	2019	Omics : a journal of integrative biology	10.1089/omi.2019.0142	No NLP focus/details
April 2020	Focusing on the Future of Cardiovascular Outcomes Research: Highlights From the American Heart Association/American Stroke Association Quality of Care and Outcomes Research 2018 Scientific Sessions.	Thompson MP.; Fanaroff AC.; Parker JD.; Vallabhajosyula S.; Sterling MR.	2018	Circulation. Cardiovascular quality and outcomes	10.1161/CIRCO.UTCOMES.118.004871	No NLP focus/details
April 2020	Patient-Reported Outcomes in Online Communications on Statins, Memory, and Cognition: Qualitative Analysis Using Online Communities.	Timimi F.; Ray S.; Jones E.; Aase L.; Hoffman K.	2019	Journal of medical Internet research	10.2196/14809	Non-cardiology focus
April 2020	Deep learning in ophthalmology: The technical and clinical considerations.	Ting DSW.; Peng L.; Varadarajan AV.; Keane PA.; Burlina PM.; Chiang MF.; Schmetterer L.; Pasquale LR.; Bressler NM.; Webster DR.; Abramoff M.; Wong TY.	2019	Progress in retinal and eye research	10.1016/j.preteyeres.2019.04.003	Non-cardiology focus
April 2020	Combining string and phonetic similarity matching to identify misspelt names of drugs in medical records written in Portuguese.	Tissot H.; Dobson R.	2019	Journal of biomedical semantics	10.1186/s13326-019-0216-2	Non-cardiology focus

April 2020	Cardiac catheterization laboratory inpatient forecast tool: a prospective evaluation.	Toerper MF.; Flanagan E. Siddiqui S.; Appelbaum J.; Kasper EK.; Levin S.	2016	Journal of the American Medical Informatics Association : JAMIA	10.1093/jamia/ocv124	Included
April 2020	Automated identification of wound information in clinical notes of patients with heart diseases: Developing and validating a natural language processing application.	Topaz M.; Lai K.; Dowding D.; Lei VJ.; Zisberg A.; Bowles KH.; Zhou L.	2016	International journal of nursing studies	10.1016/j.ijnurstu.2016.09.013	Similar study
April 2020	Studying Associations Between Heart Failure Self-Management and Rehospitalizations Using Natural Language Processing.	Topaz M.; Radhakrishnan K.; Blackley S.; Lei V.; Lai K.; Zhou L.	2017	Western journal of nursing research	10.1177/0193945916668493	Included
April 2020	Mining Clinicians' Electronic Documentation to Identify Heart Failure Patients with Ineffective Self-Management: A Pilot Text-Mining Study.	Topaz M.; Radhakrishnan K.; Lei V.; Zhou L.	2016	Studies in health technology and informatics		Non-cardiology focus
April 2020	Risk factor detection for heart disease by applying text analytics in electronic medical records	Torii M.; Fan J.-W.; Yang W.-L.; Lee T.; Wiley M.T.; Zisook D.S.; Huang Y.	2015	Journal of Biomedical Informatics	http://dx.doi.org/10.1016/j.jbi.2015.08.011	Non-cardiology focus
April 2020	Risk factor detection for heart disease by applying text analytics in electronic medical records.	Torii M.; Fan JW.; Yang WL.; Lee T.; Wiley MT.; Zisook DS.; Huang Y.	2015	Journal of biomedical informatics	10.1016/j.jbi.2015.08.011	Duplicate
April 2020	Cardiovascular risk prediction functions underestimate risk in HIV infection	Triant V.A.; Perez J.; Regan S.; Massaro J.M.; Meigs J.B.; Grinspoon S.K.; D'Agostino R.B.	2018	Circulation	http://dx.doi.org/10.1161/CIRCULATIONAHA.117.028975	No NLP focus/details
April 2020	Deep Natural Language Processing Identifies Variation in Care Preference Documentation.	Udelsman BV.; Moseley ET.; Sudore RL.; Keating NL.; Lindvall C.	2020	Journal of pain and symptom management	10.1016/j.jpainsymman.2019.12.374	Non-cardiology focus
April 2020	Mining heart disease risk factors in clinical text with named entity recognition and distributional semantic models.	Urbain J.	2015	Journal of biomedical informatics	10.1016/j.jbi.2015.08.009	Duplicate
April 2020	Mining heart disease risk factors in clinical text with named entity recognition and distributional semantic models	Urbain, J.	2015	Journal of Biomedical Informatics	10.1016/j.jbi.2015.08.009	Non-cardiology focus

April 2020	Practical applications for natural language processing in clinical research: The 2014 i2b2/UTHealth shared tasks	Uzuner O.; Stubbs A.	2015	Journal of Biomedical Informatics	http://dx.doi.org/10.1016/j.jbi.2015.10.007	Non-cardiology focus
April 2020	Comparing Artificial Intelligence Approaches to Retrieve Clinical Reports Documenting Implantable Devices Posing MRI Safety Risks.	Valtchinov VI.; Lacson R.; Wang A.; Khorasani R.	2020	Journal of the American College of Radiology : JACR	10.1016/j.jacr.2019.07.018	Included
April 2020	Ground Glass Lesions on Chest Imaging: Evaluation of Reported Incidence in Cancer Patients Using Natural Language Processing.	Van Haren RM.; Correa AM.; Sepesi B.; Rice DC.; Hofstetter WL.; Mehran RJ.; Vaporciyan AA.; Walsh GL.; Roth JA.; Swisher SG.; Antonoff MB.	2019	The Annals of thoracic surgery	10.1016/j.athoracsur.2018.09.016	Non-cardiology focus
April 2020	Information extraction from Italian medical reports: An ontology-driven approach	Viani N.; Larizza C.; Tibollo V.; Napolitano C.; Priori S.G.; Bellazzi R.; Sacchi L.	2018	International Journal of Medical Informatics	http://dx.doi.org/10.1016/j.ijmedinf.2017.12.013	Non-cardiology focus
April 2020	Supervised methods to extract clinical events from cardiology reports in Italian.	Viani N.; Miller TA.; Napolitano C.; Priori SG.; Savova GK.; Bellazzi R.; Sacchi L.	2019	Journal of biomedical informatics	10.1016/j.jbi.2019.103219	Duplicate
April 2020	Visualizing patient journals by combining vital signs monitoring and natural language processing.	Vilic A.; Petersen JA.; Hoppe K.; Sorensen HB.	2016	Conference proceedings : ... Annual International Conference of the IEEE Engineering in Medicine and Biology Society. IEEE Engineering in Medicine and Biology Society. Annual Conference	10.1109/EMBC.2016.7591245	Non-cardiology focus

April 2020	Evaluation of discovered clinical pathways using process mining and joint agent-based discrete-event simulation	Vincent Augusto; Xiaolan Xie; Martin Prodel; Baptiste Jouaneton; Ludovic Lamarsalle	2016	Proceedings of the 2016 Winter Simulation Conference		Non-cardiology focus
April 2020	Emotional health: A data driven approach to understand our emotions and improve our health	Vuppalapati, C.; Kedari, S.; Ilapakurti, A.; Shankar J.	2019	Proceedings - 22nd IEEE International Conference on Computational Science and Engineering and 17th IEEE International Conference on Embedded and Ubiquitous Computing, CSE/EUC 2019	10.1109/CSE/EUC.2019.00071	Non-cardiology focus
April 2020	Extraction of Ejection Fraction from Echocardiography Notes for Constructing a Cohort of Patients having Heart Failure with reduced Ejection Fraction (HFREF).	Waghlikar KB.; Fischer CM.; Goodson A.; Herrick CD.; Rees M.; Toscano E.; MacRae CA.; Scirica BM.; Desai AS.; Murphy SN.	2018	Journal of medical systems	10.1007/s10916-018-1066-7	Included
April 2020	Characterization of potential serious allergic reactions using data from natural language processing (NLP) within an electronic health record (EHR) based system	Wang F.T.; Song J.; Lin N.D.	2017	Pharmacoeconomics and Drug Safety	http://dx.doi.org/10.1002/pds.4275	Non-cardiology focus
April 2020	Combining mechanism-based prediction with patient-based profiling for psoriasis metabolomics biomarker discovery.	Wang Q.; McCormick TS.; Ward NL.; Cooper KD.; Conic R.; Xu R.	2017	AMIA ... Annual Symposium proceedings. AMIA Symposium		Non-cardiology focus

April 2020	NLP based congestive heart failure case finding: A prospective analysis on statewide electronic medical records.	Wang Y.; Luo J.; Hao S.; Xu H.; Shin AY.; Jin B.; Liu R.; Deng X.; Wang L.; Zheng L.; Zhao Y.; Zhu C.; Hu Z.; Fu C.; Hao Y.; Zhao Y.; Jiang Y.; Dai D.; Culver DS.; Alfreds ST.; Todd R.; Stearns F.; Sylvester KG.; Widen E.; Ling XB.	2015	International journal of medical informatics	10.1016/j.ijmedinf.2015.06.007	Included
April 2020	An Automatic Detection Algorithm for T Wave Position based on T Wave Morphology	Wanyue Li; Lishen Qiu; Jie Zhang; Wenliang Zhu; Lirong Wang	2019	Proceedings of the 2019 4th International Conference on Biomedical Signal and Image Processing (ICBIP 2019)	10.1145/3354031.3354052	No NLP focus/details
April 2020	Inclusion of unstructured text data from clinical notes improves early prediction of death or prolonged ICU stay among hospitalized patients	Weissman G.E.; Hubbard R.A.; Ungar L.H.; Greene C.S.; Himes B.E.; Halpern S.D.	2017	American Journal of Respiratory and Critical Care Medicine	http://dx.doi.org/10.1164/ajrccm-conference.2017.A22	Non-cardiology focus
April 2020	Natural Language Processing to Assess Documentation of Features of Critical Illness in Discharge Documents of Acute Respiratory Distress Syndrome Survivors.	Weissman GE.; Harhay MO.; Lugo RM.; Fuchs BD.; Halpern SD.; Mikkelsen ME.	2016	Annals of the American Thoracic Society	10.1513/AnnalsATS.201602-131OC	Non-cardiology focus
April 2020	Desiderata for delivering NLP to accelerate healthcare AI advancement and a Mayo Clinic NLP-as-a-service implementation.	Wen A.; Fu S.; Moon S.; El Wazir M.; Rosenbaum A.; Kaggal VC.; Liu S.; Sohn S.; Liu H.; Fan J.	2019	NPJ digital medicine	10.1038/s41746-019-0208-8	Non-cardiology focus
April 2020	Medical subdomain classification of clinical notes using a machine learning-based natural language processing approach.	Weng WH.; Waghlikar KB.; McCray AT.; Szolovits P.; Chueh HC.	2017	BMC medical informatics and decision making	10.1186/s12911-017-0556-8	Non-cardiology focus

April 2020	A Novel Method for Automatic Heart Murmur Diagnosis Using Phonocardiogram	Wenjing Wei; Ge Zhan; Xun Wang; Pengyuan Zhang; Yonghong Yan	2019	Proceedings of the 2019 International Conference on Artificial Intelligence and Advanced Manufacturing	10.1145/3358331.3358368	No NLP focus/details
April 2020	Arrhythmia Recognition and Classification Using ECG Morphology and Segment Feature Analysis	Wenliang Zhu; Xiaohe Chen; Yan Wang; Lirong Wang	2019	IEEE/ACM Trans. Comput. Biol. Bioinformatics	10.1109/tcbb.2018.2846611	No NLP focus/details
April 2020	How to get a left-ear advantage: A technical review of assessing brain asymmetry with dichotic listening.	Westerhausen R.; Kompus K.	2018	Scandinavian journal of psychology	10.1111/sjop.12408	Non-cardiology focus
April 2020	Diminished Auditory Responses during NREM Sleep Correlate with the Hierarchy of Language Processing.	Wilf M.; Ramot M.; Furman-Haran E.; Arzi A.; Levkovitz Y.; Malach R.	2016	PloS one	10.1371/journal.pone.0157143	Non-cardiology focus
April 2020	Artificial intelligence to identify commonly asked questions via an electronic patient portal-lessons from a cardiology department within a large health system	Wosik J.; Si S.; Henao R.; Carin L.; Patel M.R.	2019	Circulation	http://dx.doi.org/10.1161/circ.140.suppl_1.14805	Abstract only
April 2020	Nuclear cardiology reporting: Leaving an impression.	Wu E.; Holly TA.	2019	Journal of nuclear cardiology : official publication of the American Society of Nuclear Cardiology	10.1007/s12350-018-1315-7	No NLP focus/details

April 2020	SemEHR: A general-purpose semantic search system to surface semantic data from clinical notes for tailored care, trial recruitment, and clinical research.	Wu H.; Toti G.; Morley Kl.; Ibrahim ZM.; Folarin A.; Jackson R.; Kartoglu I.; Agrawal A.; Stringer C.; Gale D.; Gorrell G.; Roberts A.; Broadbent M.; Stewart R.; Dobson RJB.	2018	Journal of the American Medical Informatics Association : JAMIA	10.1093/jamia/ocx160	Non-cardiology focus
April 2020	Predicting Heart Failure Readmission from Clinical Notes Using Deep Learning	X. Liu; Y. Chen; J. Bae; H. Li; J. Johnston; T. Sanger	2019	2019 IEEE International Conference on Bioinformatics and Biomedicine (BIBM)	10.1109/BIBM47256.2019.8983095	Included
April 2020	Towards automatic pathology classification for a 24/7 ECG-based telemonitoring service	Xenia Klinge; Matthias Schmitt; Andrey Girenko; Jan Alexandersson; Boichev Boichev	2019	Proceedings of the 6th international Workshop on Sensor-based Activity Recognition and Interaction	10.1145/3361684.3361685	No NLP focus/details
April 2020	Automatic 3D Aorta Segmentation in CT Images	Xiaojie Duan; Meisong Zhang; Jianming Wang; Qingliang Chen	2018	Proceedings of the 2nd International Conference on Biomedical Engineering and Bioinformatics	10.1145/3278198.3278217	No NLP focus/details
April 2020	A Sensorless Pusher Plate Position Detection Method for a Pulsatile Left Ventricular Assist Device	Xiaoqi Zhuang; Ming Yang; Fan Meng; Zhaopeng Dong; Dawei An	2017	Proceedings of the 7th International Conference on Bioscience, Biochemistry and Bioinformatics	10.1145/3051166.3051174	No NLP focus/details

April 2020	Domain Knowledge Guided Deep Atrial Fibrillation Classification and Its Visual Interpretation	Xiaoyu Li; Buyue Qian; Jishang Wei; Xianli Zhang; Sirui Chen; Qinghua Zheng; none none	2019	Proceedings of the 28th ACM International Conference on Information and Knowledge Management	10.1145/3357384.3357998	No NLP focus/details
April 2020	Extracting and analyzing ejection fraction values from electronic echocardiography reports in a large health maintenance organization.	Xie F.; Zheng C.; Yuh-Jer Shen A.; Chen W.	2017	Health informatics journal	10.1177/1460458216651917	Included
April 2020	An Automatic Detection Scheme of Acute Stanford Type A Aortic Dissection Based on DCNNs in CTA Images	Xin Xu; Zhiqiang He; Kai Niu; Yijie Zhang; Hao Tang; Ling Tan	2019	Proceedings of the 2019 4th International Conference on Multimedia Systems and Signal Processing	10.1145/3330393.3330405	No NLP focus/details
April 2020	Cardiovascular risk prediction method based on test analysis and data mining ensemble system	Xu, S.; Shi, H.; Duan, X.; Zhu, T.; Wu, P.; Liu, D.	2016	Proceedings of 2016 IEEE International Conference on Big Data Analysis, ICBDA 2016	10.1109/ICBDA.2016.7509809	Non-cardiology focus
April 2020	Yield of CT Pulmonary Angiography in the Emergency Department When Providers Override Evidence-based Clinical Decision Support.	Yan Z.; Ip IK.; Raja AS.; Gupta A.; Kosowsky JM.; Khorasani R.	2017	Radiology	10.1148/radiol.2016151985	Non-cardiology focus
April 2020	A hybrid model for automatic identification of risk factors for heart disease.	Yang H.; Garibaldi JM.	2015	Journal of biomedical informatics	10.1016/j.jbi.2015.09.006	Duplicate
April 2020	A hybrid model for automatic identification of risk factors for heart disease	Yang, H.; Garibaldi, J.M.	2015	Journal of Biomedical Informatics	10.1016/j.jbi.2015.09.006	Non-cardiology focus

April 2020	Automatic Segmentation of Left Myocardium in CMR Based on Fully Convolutional Networks	Yifan Du; Yuanlin Zhu; Shengjie Wu; Wang Lihui; Zhu YueMin; Yang Feng	2018	Proceedings of the 3rd International Conference on Crowd Science and Engineering	10.1145/3265689.3265710	No NLP focus/details
April 2020	Coronary Ascending Aorta Segmentation in CTA Images Using SegNet Method	Yihua Song; Chen Ge; Ji Ye; Zuojian Zhou	2019	Proceedings of the Third International Symposium on Image Computing and Digital Medicine	10.1145/3364836.3364845	No NLP focus/details
April 2020	Cardiac arrhythmia classification using Hjorth Descriptors	Yingthawornsuk, T.; Temsang, P.	2019	Advances in Intelligent Systems and Computing	10.1007/978-3-319-94703-7_9	No NLP focus/details
April 2020	Muscle Artifacts Cancellation Framework for ECG Signals Combining Convolution Auto-encoder and Average Beat Subtraction	Yongfeng Huang; Zijian Ding; Guijin Wang; Jianpin Lin; Ping Zhang	2019	Proceedings of the 2019 4th International Conference on Biomedical Signal and Image Processing (ICBIP 2019)	10.1145/3354031.3354041	No NLP focus/details
April 2020	Comparison of Different Algorithms for Sentiment Analysis: Psychological Stress Notes.	Yoon S.; Parsons F.; Sundquist K.; Julian J.; Schwartz JE.; Burg MM.; Davidson KW.; Diaz KM.	2017	Studies in health technology and informatics		Non-cardiology focus
April 2020	An Efficient Pattern Recognition Kernel-Based Method for Atrial Fibrillation Diagnosis	Z. Haddi; B. Ananou; Y. Trardi; J. Pons; S. Delliaux; M. Ouladsine; J. Deharo	2018	2018 Computing in Cardiology Conference (CinC)	10.22489/CinC.2018.090	No NLP focus/details

April 2020	Late Radiation and Cardiovascular Adverse Effects After Androgen Deprivation and High-Dose Radiation Therapy in Prostate Cancer: Results From the DART 01/05 Randomized Phase 3 Trial	Zapatero, A.; Guerrero, A.; Maldonado, X.; Álvarez, A.; González-San Segundo, C.; Cabeza Rodríguez, M.A.; Macías, V.; Pedro Olive, A.; Casas, F.; Boladeras, A.; Martín de Vidales, C.; Vázquez de la Torre, M.L.; Calvo, F.A.	2016	International Journal of Radiation Oncology Biology Physics	10.1016/j.ijrobp.2016.06.2445	Non-cardiology focus
April 2020	Extracting frailty status for post surgical mortality prediction	Zeng-Treitler, Q.; Shao, Y.; Cheng, Y.; Doing-Harris, K.; Shah, R.U.; Weir, C.R.; Bray, B.E.	2018	MCCSIS 2018 - Multi Conference on Computer Science and Information Systems; Proceedings of the International Conferences on e-Health 2018, ICT, Society, and Human Beings 2018 and Web Based Communities and Social Media 2018		Non-cardiology focus
April 2020	Lifestyle Counseling and Long-term Clinical Outcomes in Patients With Diabetes.	Zhang H.; Goldberg SI.; Hosomura N.; Shubina M.; Simonson DC.; Testa MA.; Turchin A.	2019	Diabetes care	10.2337/dc19-0629	Non-cardiology focus
April 2020	Electronic documentation of lifestyle counseling in primary care is associated with lower risk of cardiovascular events in patients with diabetes	Zhang H.; Hosomura N.; Shubina M.; Simonson D.C.; Testa M.A.; Turchin A.	2016	Diabetes	http://dx.doi.org/10.2337/db16-1375-1656	Abstract only

April 2020	Statin persistence after documented adverse reactions is associated with better patient outcomes	Zhang H.; Plutzky J.; Shubina M.; Turchin A.	2016	Endocrine Reviews	http://dx.doi.org/10.1210/endo-meetings.2016.CE.5.SUN-589	Abstract only
April 2020	Statin persistence after reported adverse reactions and patient outcomes	Zhang H.; Plutzky J.; Shubina M.; Turchin A.	2015	Circulation		Abstract only
April 2020	Continued Statin Prescriptions After Adverse Reactions and Patient Outcomes: A Cohort Study.	Zhang H.; Plutzky J.; Shubina M.; Turchin A.	2017	Annals of internal medicine	10.7326/M16-0838	Duplicate
April 2020	Analysis of vascular endothelial dysfunction genes and related pathways in obesity through systematic bioinformatics.	Zhang H.; Wang J.; Sun L.; Xu Q.; Hou M.; Ding Y.; Huang J.; Chen Y.; Cao L.; Zhang J.; Qian W.; Lv H.	2015	Bio-medical materials and engineering	10.3233/BME-151490	Duplicate
April 2020	Analysis of vascular endothelial dysfunction genes and related pathways in obesity through systematic bioinformatics	Zhang H.; Wang J.; Sun L.; Xu Q.; Hou M.; Ding Y.; Huang J.; Chen Y.; Cao L.; Zhang J.; Qian W.; Lv H.	2015	Bio-medical materials and engineering	http://dx.doi.org/10.3233/BME-151490	Duplicate
April 2020	Predictors of EGFR slope at one year in kidney transplants-a big data approach	Zhang J.; Su Z.; Taber D.; Marsden J.; Moran W.; Mauldin P.; Srinivas T.	2016	American Journal of Transplantation	http://dx.doi.org/10.1111/ajt.13897	Non-cardiology focus
April 2020	Automatic Methods to Extract New York Heart Association Classification from Clinical Notes.	Zhang R.; Ma S.; Shanahan L.; Munroe J.; Horn S.; Speedie S.	2017	Proceedings. IEEE International Conference on Bioinformatics and Biomedicine	10.1109/BIBM.2017.8217848	Duplicate
April 2020	Discovering and identifying New York heart association classification from electronic health records.	Zhang R.; Ma S.; Shanahan L.; Munroe J.; Horn S.; Speedie S.	2018	BMC medical informatics and decision making	10.1186/s12911-018-0625-7	Included

April 2020	Use of natural language processing to improve predictive models for imaging utilization in children presenting to the emergency department.	Zhang X.; Bellolio MF.; Medrano-Gracia P.; Werys K.; Yang S.; Mahajan P.	2019	BMC medical informatics and decision making	10.1186/s12911-019-1006-6	Non-cardiology focus
April 2020	High-throughput phenotyping with electronic medical record data using a common semi-supervised approach (PheCAP).	Zhang Y.; Cai T.; Yu S.; Cho K.; Hong C.; Sun J.; Huang J.; Ho YL.; Ananthakrishnan AN.; Xia Z.; Shaw SY.; Gainer V.; Castro V.; Link N.; Honerlaw J.; Huang S.; Gagnon D.; Karlson EW.; Plenge RM.; Szolovits P.; Savova G.; Churchill S.; O'Donnell C.; Murphy SN.; Gaziano JM.; Kohane I.; Cai T.; Liao KP.	2019	Nature protocols	10.1038/s41596-019-0227-6	Non-cardiology focus
April 2020	Analysis of vascular endothelial dysfunction genes and related pathways in obesity through systematic bioinformatics1	Zhang, H.; Wang, J.; Sun, L.; Xu, Q.; Hou, M.; Ding, Y.; Huang, J.; Chen, Y.; Cao, L.; Zhang, J.; Qian, W.; Lv, H.	2015	Bio-Medical Materials and Engineering	10.3233/BME-151490	No NLP focus/details
April 2020	Automatic methods to extract New York heart association classification from clinical notes	Zhang, R.; Ma, S.; Shanahan, L.; Munroe, J.; Horn, S.; Speedie, S.	2017	Proceedings - 2017 IEEE International Conference on Bioinformatics and Biomedicine, BIBM 2017	10.1109/BIBM.2017.8217848	Duplicate
April 2020	CardioTF, a database of deconstructing transcriptional circuits in the heart system	Zhen, Y.	2016	PeerJ	10.7717/peerj.2339	No NLP focus/details

April 2020	An automated algorithm to identify treadmill stress test results for emergency department patients	Zheng C.; Sun B.; Lee M.-S.; Wu Y.-L.; Lin B.; Shen E.; Redberg R.F.; Ferencik M.; Natsui S.; Kawatkar A.; Gould M.; Sharp A.L.; Engineer R.S.	2019	Academic Emergency Medicine	http://dx.doi.org/10.1111/ace.m.13756	Included
April 2020	Automated Identification and Extraction of Exercise Treadmill Test Results.	Zheng C.; Sun BC.; Wu YL.; Lee MS.; Shen E.; Redberg RF.; Ferencik M.; Natsui S.; Kawatkar AA.; Musigdilok VV.; Sharp AL.	2020	Journal of the American Heart Association	10.1161/JAHA.119.014940	Duplicate
April 2020	Web-based Real-Time Case Finding for the Population Health Management of Patients With Diabetes Mellitus: A Prospective Validation of the Natural Language Processing-Based Algorithm With Statewide Electronic Medical Records.	Zheng L.; Wang Y.; Hao S.; Shin AY.; Jin B.; Ngo AD.; Jackson-Browne MS.; Feller DJ.; Fu T.; Zhang K.; Zhou X.; Zhu C.; Dai D.; Yu Y.; Zheng G.; Li YM.; McElhinney DB.; Culver DS.; Alfreds ST.; Stearns F.; Sylvester KG.; Widen E.; Ling XB.	2016	JMIR medical informatics	10.2196/medinform.6328	Non-cardiology focus
April 2020	Effective Information Extraction Framework for Heterogeneous Clinical Reports Using Online Machine Learning and Controlled Vocabularies.	Zheng S.; Lu JJ.; Ghasemzadeh N.; Hayek SS.; Quyyumi AA.; Wang F.	2017	JMIR medical informatics	10.2196/medinform.7235	Non-cardiology focus
April 2020	UACFinder: Mining Syntactic Carriers of Unspecified Assumptions in Medical Cyber-Physical System Design Models	Zhicheng Fu; Chunhui Guo; Zhenyu Zhang; Shangping Ren; Lui Sha	2020	ACM Trans. Cyber-Phys. Syst.	10.1145/3375405	Non-cardiology focus
April 2020	Automated closed-loop model checking of implantable pacemakers using abstraction trees	Zhihao Jiang; Houssam Abbas; Pieter J. Mosterman; Rahul Mangharam	2017	SIGBED Rev.	10.1145/3076125.3076127	No NLP focus/details
April 2020	Advanced Data Analytics for Clinical Research Part II: Application to Cardiothoracic Surgery.	Zhou N.; Corsini EM.; Jin S.; Barbosa GR.; Kell T.; Antonoff MH.; Antonoff MB.	2020	Innovations (Philadelphia, Pa.)	10.1177/1556984520902824	Duplicate

April 2020	Advanced Data Analytics for Clinical Research Part I: What are the Tools?	Zhou N.; Corsini EM.; Jin S.; Barbosa GR.; Kell T.; Antonoff MH.; Antonoff MB.	2020	Innovations (Philadelphia, Pa.)	10.1177/1556984520902783	Review/perspective article
April 2020	The CAFA challenge reports improved protein function prediction and new functional annotations for hundreds of genes through experimental screens.	Bergquist TR.; Lee AJ.; Kacsoh BZ.; Crocker AW.; Lewis KA.; Georghiou G.; Nguyen HN.; Hamid MN.; Davis L.; Dogan T.; Atalay V.; Rifaioglu AS.; Dalkf±ran A.; Cetin Atalay R.; Zhang C.; Hurto RL.; Freddolino PL.; Zhang Y.; Bhat P.; Supek F.; Fernv°ndez JM.; Gemovic B.; Perovic VR.; Davidovijfá RS.; Sumonja N.; Veljkovic N.; Asgari E.; Mofrad MRK.; Profiti G.; Savojardo C.; Martelli PL.; Casadio R.; Boecker F.; Schoof H.; Kahanda I.; Thurlby N.; McHardy AC.; Renaux A.; Saidi R.; Gough J.; Freitas AA.; Antczak M.; Fabris F.; Wass MN.; Hou J.; Cheng J.; Wang Z.; Romero AE.; Paccanaro A.; Yang H.; Goldberg T.; Zhao C.; Holm L.; Tvðrvðnen P.; Medlar AJ.; Zosa E.; Borukhov I.; Novikov I.; Wilkins A.; Lichtarge O.; Chi PH.; Tseng WC.; Linial M.;	2019	Genome biology	10.1186/s13059-019-1835-8	Non-cardiology focus

April 2020	Predicting 30-day Hospital Readmission with Publicly Available Administrative Database. A Conditional Logistic Regression Modeling Approach.	Zhu K.; Lou Z.; Zhou J.; Ballester N.; Kong N.; Parikh P.	2015	Methods of information in medicine	10.3414/ME14-02-0017	Non-cardiology focus
April 2020	Nonadherence to Oral Antihyperglycemic Agents: Subsequent Hospitalization and Mortality among Patients with Type 2 Diabetes in Clinical Practice.	Zhu VJ.; Tu W.; Rosenman MB.; Overhage JM.	2015	Studies in health technology and informatics		Non-cardiology focus
April 2020	Tool-supported Interactive Correction and Semantic Annotation of Narrative Clinical Reports.	ZvV°ra K.; TomefçkovV° M.; Pele≈°ka J.; SvV°tek V.; ZvV°rovV° J.	2017	Methods of information in medicine	10.3414/ME16-01-0083	Non-cardiology focus
April 2020	Classification and analysis of a large collection of in vivo bioassay descriptions.	Zwierzyna M.; Overington JP.	2017	PLoS computational biology	10.1371/journal.pcbi.1005641	Non-cardiology focus
April 2020	The Joint International Symposium on Artificial Intelligence and Natural Language Processing, iSAI-NLP 2017		2019	Advances in Intelligent Systems and Computing		Non-cardiology focus
April 2020	7th International Conference on Information and Communication Technologies, ICT 2015		2016	Advances in Intelligent Systems and Computing		Non-cardiology focus
April 2020	3rd International Conference on Intelligent Information Technologies, ICIIT 2018		2019	Communications in Computer and Information Science		Non-cardiology focus
April 2020	Proceedings of the 3rd International Workshop on Multimedia for Personal Health and Health Care		2018			Non-cardiology focus
August 2021	Respiratory Waveform Estimation From Multiple Accelerometers: An Optimal Sensor Number and Placement Analysis	A. Siqueira; A. F. Spirandeli; R. Moraes; V. Zarzoso	2019	IEEE Journal of Biomedical and Health Informatics	10.1109/JBHI.2018.2867727	No NLP focus/details

August 2021	ECG classification and prognostic approach towards personalized healthcare	A. Walinjkar; J. Woods	2017	2017 International Conference On Social Media, Wearable And Web Analytics (Social Media)	10.1109/SOCIALMEDIA.2017.8057360	No NLP focus/details
August 2021	CARE TRAJECTORY AND EARLY CLINICAL FEATURES AMONG PATIENTS WITH 99MTC-PYROPHOSPHATE POSITIVE TRANSTHYRETIN AMYLOID CARDIOMYOPATHY (ATTR-CM)	Abboud, Andrew; Camacho, Alexander; Nguonly, Austin; Fiseha, Neyat; Bean, Asher; Osborne, Michael T.; Ibrahim, Nasrien E.; McCarthy, Cian P.; Tawakol, Ahmed; Ruberg, Frederick L.; Sadjadi, Reza; David, William S.; Lewis, Gregory D.; Januzzi, James L.; Gaggin, Hanna	2020	Journal of the American College of Cardiology	http://dx.doi.org/10.1016/S0735-1097%2820%2931447-9	Abstract only
August 2021	Spectroscopic Properties of Blood for Pulse Oximeter Design	Abeera Vaqar; Intisar Rizwan I. Haque; Tahir Zaidi	2019	Proceedings of the 2019 9th International Conference on Biomedical Engineering and Technology	10.1145/3326172.3326205	No NLP focus/details
August 2021	Low Cost Portable Diagnostic Device for Automatic Classification of the Abnormal Cardiac Sound using PGC Recording	Abhishek Kaushal; Anjali Yadav; Malay Kishore Dutta; Carlos Travieso-Gonzalez; Luis Esteban-Hernandez	2020	Proceedings of the 3rd International Conference on Applications of Intelligent Systems	10.1145/3378184.3378213	No NLP focus/details

August 2021	PREVALENCE OF TRANSTHYRETIN CARDIAC AMYLOIDOSIS IN HEART FAILURE WITH PRESERVED EJECTION FRACTION: A POPULATION BASED STUDY	Abou-Ezzeddine, Omar Farid; Davies, Daniel; Sexton, Jasmine A.; Scott, Christopher G.; Fayyaz, Ahmed; Akhiyat, Nadia; Stromme, Trevor A.; Askew, John W.; McKie, Paul; Noseworthy, Peter; Dunlay, Shannon; Borlaug, Barry; Chareonthitawee, Panithaya; Johnson, Geoffrey; Dispenzieri, Angela; Grogan, Martha; Redfield, Margaret M.	2020	Journal of the American College of Cardiology	http://dx.doi.org/10.1016/S0735-1097%2820%2931318-8	Abstract only
August 2021	A method for cohort selection of cardiovascular disease records from an electronic health record system	Abrahão, M. T. F.; Nobre, M. R. C.; Gutierrez, M. A.	2017	Int J Med Inform	10.1016/j.ijmedinf.2017.03.015	Duplicate
August 2021	Epidemiology, clinical characteristics, household transmission, and lethality of severe acute respiratory syndrome coronavirus-2 infection among healthcare workers in Ontario, Canada	Achon, Camille; Lee, Brenda; Whelan, Michael; Wu, Julie H. C.; Buchan, Sarah A.; Brown, Kevin A.; Schwartz, Kevin L.; Garber, Gary	2020	PLoS One	http://dx.doi.org/10.1371/journal.pone.0244477	Non-cardiology focus
August 2021	Evaluating the Portability of an NLP System for Processing Echocardiograms: A Retrospective, Multi-site Observational Study	Adekanattu, P.; Jiang, G.; Luo, Y.; Kingsbury, P. R.; Xu, Z.; Rasmussen, L. V.; Pacheco, J. A.; Kiefer, R. C.; Stone, D. J.; Brandt, P. S.; Yao, L.; Zhong, Y.; Deng, Y.; Wang, F.; Ancker, J. S.; Champion, T. R.; Pathak, J.	2019	AMIA Annu Symp Proc		Duplicate

August 2021	Natural language processing of clinical notes for identification of critical limb ischemia	Afzal, N.; Mallipeddi, V. P.; Sohn, S.; Liu, H.; Chaudhry, R.; Scott, C. G.; Kullo, I. J.; Arruda-Olson, A. M.	2018	Int J Med Inform	10.1016/j.ijmedinf.2017.12.024	Non-cardiology focus
August 2021	Mining peripheral arterial disease cases from narrative clinical notes using natural language processing	Afzal, N.; Sohn, S.; Abram, S.; Scott, C. G.; Chaudhry, R.; Liu, H.; Kullo, I. J.; Arruda-Olson, A. M.	2017	J Vasc Surg	10.1016/j.jvs.2016.11.031	Non-cardiology focus
August 2021	Identification of Coronary Artery Disease using Cross Power Spectral Density	Akanksha,; P. Samanta; K. Mandana; G. Saha	2017	2017 14th IEEE India Council International Conference (INDICON)	10.1109/INDICON.2017.8487905	No NLP focus/details
August 2021	Automatic Identification of Information Quality Metrics in Health News Stories	Al-Jefri, M.; Evans, R.; Lee, J.; Ghezzi, P.	2020	Front Public Health	10.3389/fpubh.2020.515347	Non-cardiology focus
August 2021	Reliability in Extreme Isolation: A Natural Language Processing Tool for Stress Self-assessment	Alcibiade, A.; Schlacht, I. L.; Finazzi, F.; Di Capua, M.; Ferrario, G.; Musso, G.; Foing, B.	2020	Advances in Intelligent Systems and Computing	10.1007/978-3-030-51369-6_47	Non-cardiology focus
August 2021	ECG Monitoring and Anomaly Detection Based on Compressed Measurements	Alessandra Galli; Claudio Narduzzi; Giada Giorgi	2018	Proceedings of the 2018 3rd International Conference on Biomedical Imaging, Signal Processing	10.1145/3288200.3288206	No NLP focus/details
August 2021	PCV76 IDENTIFYING KNOWLEDGE GAPS IN HEART FAILURE (HF) RESEARCH AMONG WOMEN USING UNSUPERVISED MACHINE LEARNING METHODS	Alhussain, K.; Kido, K.; Dwibedi, N.; LeMasters, T.; Sambamoorthi, U.; Rose, D. E.; Misra, R.	2020	Value in Health	http://dx.doi.org/10.1016/j.jval.2020.04.178	Abstract only
August 2021	Mapping Phenotypic Information in Heterogeneous Textual Sources to a Domain-Specific Terminological Resource	Alnazzawi, N.; Thompson, P.; Ananiadou, S.	2016	PLoS One	10.1371/journal.pone.0162287	Duplicate

August 2021	Using text mining techniques to extract phenotypic information from the PhenoCHF corpus	Alnazzawi, N.; Thompson, P.; Batista-Navarro, R.; Ananiadou, S.	2015	BMC Med Inform Decis Mak	10.1186/1472-6947-15-s2-s3	Duplicate
August 2021	Heart and sole - shoe-based heart monitoring: demo abstract	Amelie Bonde; Shijia Pan; Hae Young Noh; Pei Zhang	2017	Proceedings of the 16th ACM/IEEE International Conference on Information Processing in Sensor Networks	10.1145/3055031.3055048	No NLP focus/details
August 2021	Statistically Based Criteria for Complex ECG Signal Assessment at Preventive Cardio Control	Aneliya Manukova; Ivan Georgiev; Matey Marinov	2020	Proceedings of the 21st International Conference on Computer Systems and Technologies '20	10.1145/3407982.3407985	No NLP focus/details
August 2021	Patient Preferences for Authentication and Security: A Comparison Study of Younger and Older Patients	Ann Fruhling; Devika Ramachandran; Tamara Bernard; Ryan Schuetzler; John Windle	2018	Proceedings of the 2018 ACM SIGMIS Conference on Computers and People Research	10.1145/3209626.3209702	Non-cardiology focus
August 2021	Abstracts of 48th ESCP Symposium on Clinical Pharmacy	Anonymous,	2020	International Journal of Clinical Pharmacy		Abstract only

August 2021	Machine Learning Approach for Pre-Eclampsia Risk Factors Association	Antonieta Martínez-Velasco; Lourdes Martínez-Villasevador; Luis Miralles-Pechu ^o n	2018	Proceedings of the 4th EAI International Conference on Smart Objects and Technologies for Social Good	10.1145/3284869.3284912	Non-cardiology focus
August 2021	Enhancing the Oral Bioavailability of Candesartan Cilexetil Loaded Nanostructured Lipid Carriers: In Vitro Characterization and Absorption in Rats after Oral Administration	Anwar, W.; Dawaba, H. M.; Afouna, M. I.; Samy, A. M.; Rashed, M. H.; Abdelaziz, A. E.	2020	Pharmaceutics	10.3390/pharmaceutics12111047	No NLP focus/details
August 2021	The Silent Majority: Type 2 Diabetes Mellitus and South Asia Phenotype	Ao Lu	2020	Proceedings of the 2020 Conference on Artificial Intelligence and Healthcare	10.1145/3433996.3434367	Non-cardiology focus
August 2021	TASTE: temporal and static tensor factorization for phenotyping electronic health records	Ardavan Afshar; Ioakeim Perros; Haesun Park; Christopher deFilippi; Xiaowei Yan; Walter Stewart; Joyce Ho; Jimeng Sun	2020	Proceedings of the ACM Conference on Health, Inference, and Learning	10.1145/3368555.3384464	Non-cardiology focus
August 2021	Development and exploration of polymedication network from Pharmaceutical and Medicare Benefits Scheme data	Arif Khan; Uma Srinivasan; Shahadat Uddin	2019	Proceedings of the Australasian Computer Science Week Multiconference	10.1145/3290688.3290738	No NLP focus/details

August 2021	Multimodal Learning for Cardiovascular Risk Prediction using EHR Data	Ayoub Bagheri; T. Katrien J. Groenhof; Wouter B. Veldhuis; Pim A. de Jong; Folkert W. Asselbergs; Daniel L. Oberski	2020	Proceedings of the 11th ACM International Conference on Bioinformatics, Computational Biology and Health Informatics	10.1145/3388440.3414924	Non-cardiology focus
August 2021	APDRChain: ANN Based Predictive Analysis of Diseases and Report Sharing Through Blockchain	Bagchi, S.; Chakraborty, M.; Chattopadhyay, A. K.	2020	Advances in Intelligent Systems and Computing	10.1007/978-981-15-0361-0_8	Abstract only
August 2021	Screening for cardiac disease with advanced ECG, CTCA, protein biomarkers and metabolomics	Bekhit, M. Mark; Wynne, Y.; Semple, S.; Smith, K.; Gladding, P.; Dugo, C.; Larsen, P.; Shepherd, P.; Zarate, E.; Vilas-Boas, S.; Schlegel, T.	2020	European Journal of Preventive Cardiology	http://dx.doi.org/10.1177/2047487320935268	Non-cardiology focus
August 2021	Study of lipoprotein(a) and its impact on atherosclerotic cardiovascular disease: Design and rationale of the Mass General Brigham Lp(a) Registry	Berman, A. N.; Biery, D. W.; Ginder, C.; Hulme, O. L.; Marcusa, D.; Leiva, O.; Wu, W. Y.; Singh, A.; Divakaran, S.; Hainer, J.; Turchin, A.; Januzzi, J. L.; Natarajan, P.; Cannon, C. P.; Di Carli, M. F.; Bhatt, D. L.; Blankstein, R.	2020	Clin Cardiol	10.1002/clc.23456	Review/perspective article

August 2021	Extracting hypertrophic cardiomyopathy features from cardiac magnetic resonance reports by natural language processing	Bhopalwala, Huzefa; Chen, David; Sagheb, Elham; Moon, Sungrim; Masood, Muhammad; Liu, Sijia; Bos, Johan; Scott, Christopher; Noseworthy, Peter; Shellum, Jane L.; Chaudhry, Rajeev; Erickson, Bradley J.; Araoz, Philip; Ackerman, Michael J.; Arruda- Olson, Adelaide; Dewaswala, Nakeya; Geske, Jeffrey B.; Ommen, Steve; Nishimura, Rick A.	2020	Catheterization and Cardiovascular Interventions	http://dx.doi.org/10.1002/ccd.28864	Abstract only
August 2021	A Robust e-Epidemiology Tool in Phenotyping Heart Failure with Differentiation for Preserved and Reduced Ejection Fraction: the Electronic Medical Records and Genomics (eMERGE) Network	Bielinski, S. J.; Pathak, J.; Carrell, D. S.; Takahashi, P. Y.; Olson, J. E.; Larson, N. B.; Liu, H.; Sohn, S.; Wells, Q. S.; Denny, J. C.; Rasmussen-Torvik, L. J.; Pacheco, J. A.; Jackson, K. L.; Lesnick, T. G.; Gullerud, R. E.; Decker, P. A.; Pereira, N. L.; Ryu, E.; Dart, R. A.; Peissig, P.; Linneman, J. G.; Jarvik, G. P.; Larson, E. B.; Bock, J. A.; Tromp, G. C.; de Andrade, M.; Roger, V. L.	2015	J Cardiovasc Transl Res	10.1007/s1226 5-015-9644-2	Duplicate

August 2021	Emerging Concepts and Applied Machine Learning Research in Patients with Drug-Induced Repolarization Disorders	Bjelogrljic, Mina; Robert, Arnaud; Lovis, Christian; Namdar, Mehdi; Gencer, Baris; Girardin, Francois; Miribel, Arnaud	2020	Studies in health technology and informatics	http://dx.doi.org/10.3233/SHTI200150	Review/perspective article
August 2021	Impact of 2 different aerobic periodization training protocols on left ventricular function in patients with stable coronary artery disease: an exploratory study	Boidin, M.; David, L. P.; Trachsel, L. D.; Gayda, M.; Tremblay, J.; Lalongv©, J.; Juneau, M.; Nigam, A.; Henri, C.	2021	Appl Physiol Nutr Metab	10.1139/apnm-2020-0423	No NLP focus/details
August 2021	Non-linear is not superior to linear aerobic training periodization in coronary heart disease patients	Boidin, M.; Trachsel, L. D.; Nigam, A.; Juneau, M.; Tremblay, J.; Gayda, M.	2020	Eur J Prev Cardiol	10.1177/2047487319891778	No NLP focus/details
August 2021	A learning healthcare system improves cardiovascular risk management: Results from the Utrecht cardiovascular cohort initiative	Bots, Michael; Groenhof, Katrien; Haitjema, Saskia; Lely, Titia; Asselbergs, Folkert	2020	Circulation	http://dx.doi.org/10.1161/circ.141.suppl_1.P161	Non-cardiology focus
August 2021	Automatic prediction of coronary artery disease from clinical narratives	Buchan, K.; Filannino, M.; Uzuner, vñ	2017	J Biomed Inform	10.1016/j.jbi.2017.06.019	Non-cardiology focus
August 2021	Reading the Digital Tea Leaves: Hope or Hype for Peripheral Artery Disease	Bunte, M. C.; Baron, S. J.	2020	Circ Cardiovasc Interv	10.1161/circinterventions.120.010114	Non-cardiology focus
August 2021	Using Artificial Intelligence Resources in Dialysis and Kidney Transplant Patients: A Literature Review	Burlacu, A.; Iftene, A.; Jugrin, D.; Popa, I. V.; Lupu, P. M.; Vlad, C.; Covic, A.	2020	BioMed Research International	10.1155/2020/9867872	Review/perspective article
August 2021	Event-Predictive Cognition: A Root for Conceptual Human Thought	Butz, M. V.; Achimova, A.; Bilkey, D.; Knott, A.	2021	Top Cogn Sci	10.1111/tops.12522	Non-cardiology focus

August 2021	A data-driven feature extraction framework for predicting the severity of condition of congestive heart failure patients	C. Sideris; N. Alshurafa; M. Pourhomayoun; F. Shahmohammadi; L. Samy; M. Sarrafzadeh	2015	2015 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)	10.1109/EMBC.2015.7318908	Abstract only
August 2021	EXTraction of EMR numerical data: an efficient and generalizable tool to EXTEND clinical research	Cai, T.; Zhang, L.; Yang, N.; Kumamaru, K. K.; Rybicki, F. J.; Cai, T.; Liao, K. P.	2019	BMC Med Inform Decis Mak	10.1186/s12911-019-0970-1	Non-cardiology focus
August 2021	Mixed reality application for improving the procedural planning of mitral valve disease	Carlos J. Latorre	2019	Proceedings of the IX Latin American Conference on Human Computer Interaction	10.1145/3358961.3358991	No NLP focus/details
August 2021	Persuasive design of a mobile coaching app to encourage a healthy lifestyle during menopause	Caterina Senette; Maria Claudia Buzzi; Maria Teresa Paratore; Amaury Trujillo	2018	Proceedings of the 17th International Conference on Mobile and Ubiquitous Multimedia	10.1145/3282894.3282899	Non-cardiology focus
August 2021	A context-aware approach for progression tracking of medical concepts in electronic medical records	Chang, N. W.; Dai, H. J.; Jonnagaddala, J.; Chen, C. W.; Tsai, R. T.; Hsu, W. L.	2015	J Biomed Inform	10.1016/j.jbi.2015.09.013	Non-cardiology focus
August 2021	Natural History of Abdominal Aortic Aneurysm Expansion: Fifteen-Year Analysis of Nearly 15,000 Patients Under Surveillance in a Large, Integrated Health System	Chang, Robert; Hull, Michaela; Adams, John L.; McGlynn, Elizabeth A.; Lancaster, Elizabeth M.; Avins, Andrew; Sivamurthy, Nayan; Okuhn, Steven	2020	Journal of Vascular Surgery	http://dx.doi.org/10.1016/j.jvs.2020.04.139	Non-cardiology focus

August 2021	Research on Hypertension Prediction and Diagnosis Based on Big Data	Changxin Song; Ke Ma	2020	2020 3rd International Conference on Digital Medicine and Image Processing	10.1145/3441369.3441376	Non-cardiology focus
August 2021	Deformable Deep Network Atherosclerotic Coronary Plaque Recognition of Oct Imaging	Chaoyu Sun; Hai Huang; Zhaoliang Wan	2020	Proceedings of the 4th International Conference on Medical and Health Informatics	10.1145/3418094.3418107	Abstract only
August 2021	Detecting Adverse Drug Events with Rapidly Trained Classification Models	Chapman, A. B.; Peterson, K. S.; Alba, P. R.; DuVall, S. L.; Patterson, O. V.	2019	Drug Saf	10.1007/s40264-018-0763-y	Non-cardiology focus
August 2021	Usability of a Digital Registry to Promote Secondary Prevention for Peripheral Artery Disease Patients	Chaudhry, A. P.; Hankey, R. A.; Kaggal, V. C.; Bhopalwala, H.; Liedl, D. A.; Wennberg, P. W.; Rooke, T. W.; Scott, C. G.; Disdier Moulder, M. P.; Hendricks, A. K.; Casanegra, A. I.; McBane, R. D.; Shellum, J. L.; Kullo, I. J.; Nishimura, R. A.; Chaudhry, R.; Arruda-Olson, A. M.	2021	Mayo Clin Proc Innov Qual Outcomes	10.1016/j.mayocpiqo.2020.09.012	Non-cardiology focus
August 2021	Emergency department disposition prediction using a deep neural network with integrated clinical narratives and structured data	Chen, C. H.; Hsieh, J. G.; Cheng, S. L.; Lin, Y. L.; Lin, P. H.; Jeng, J. H.	2020	Int J Med Inform	10.1016/j.ijmedinf.2020.104146	Non-cardiology focus

August 2021	An automatic system to identify heart disease risk factors in clinical texts over time	Chen, Q.; Li, H.; Tang, B.; Wang, X.; Liu, X.; Liu, Z.; Liu, S.; Wang, W.; Deng, Q.; Zhu, S.; Chen, Y.; Wang, J.	2015	J Biomed Inform	10.1016/j.jbi.2015.09.002	Non-cardiology focus
August 2021	A New Transfer Function for Volume Visualization of Aortic Stent and Its Application to Virtual Endoscopy	Chenxi Huang; Yisha Lan; Guokai Zhang; Gaowei Xu; Landu Jiang; Nianyin Zeng; Jenhong Tan; E. Y. K. Ng; Yongqiang Cheng; Ningzhi Han; Rongrong Ji; Yonghong Peng	2020	ACM Trans. Multimedia Comput. Commun. Appl.	10.1145/3373358	No NLP focus/details
August 2021	BreathLive: Liveness Detection for Heart Sound Authentication with Deep Breathing	Chenyu Huang; Huangxun Chen; Lin Yang; Qian Zhang	2018	Proc. ACM Interact. Mob. Wearable Ubiquitous Technol.	10.1145/3191744	No NLP focus/details
August 2021	iCarMa: Inexpensive Cardiac Arrhythmia Management -- An IoT Healthcare Analytics Solution	Chetanya Puri; Arijit Ukil; Soma Bandyopadhyay; Rituraj Singh; Arpan Pal; Kayapanda Mandana	2016	Proceedings of the First Workshop on IoT-enabled Healthcare and Wellness Technologies and Systems	10.1145/2933566.2933567	No NLP focus/details
August 2021	Formal representation of patients' care context data: the path to improving the electronic health record	Colicchio, T. K.; Dissanayake, P. I.; Cimino, J. J.	2020	J Am Med Inform Assoc	10.1093/jamia/ocaa134	Non-cardiology focus
August 2021	Machine learning models to predict childhood and adolescent obesity: A review	Colmenarejo, Gonzalo	2020	Nutrients	http://dx.doi.org/10.3390/nu12082466	Non-cardiology focus
August 2021	Agile text mining for the 2014 i2b2/UTHealth Cardiac risk factors challenge	Cormack, J.; Nath, C.; Milward, D.; Raja, K.; Jonnalagadda, S. R.	2015	J Biomed Inform	10.1016/j.jbi.2015.06.030	Non-cardiology focus

August 2021	Effects of coaching on adherence in remote health monitoring systems: analysis and prediction of participant adherence	Costas Sideris; Nabil Alshurafa; Haik Kalantarian; Majid Sarrafzadeh; Jo-Ann Eastwood	2015	Proceedings of the conference on Wireless Health	10.1145/2811780.2811949	Non-cardiology focus
August 2021	Research on Risk Prediction of Dyslipidemia in Steel Workers Based on Recurrent Neural Network and LSTM Neural Network	Cui, S.; Li, C.; Chen, Z.; Wang, J.; Yuan, J.	2020	IEEE Access	10.1109/ACCESS.2020.2974887	Non-cardiology focus
August 2021	Virtual heart team-a Machine Intelligence augmented environment for evidence-based and data-driven therapeutic decision making	Cypko, M. A.; Falk, V.; Meyer, A.	2020	International Journal of Computer Assisted Radiology and Surgery	http://dx.doi.org/10.1007/s11548-020-02171-6	Abstract only
August 2021	Cohort selection for clinical trials using multiple instance learning	Dai, Hong-Jie; Wang, Feng-Duo; Chen, Chih-Wei; Su, Chu-Hsien; Wu, Chi-Shin; Jonnagaddala, Jitendra	2020	Journal of Biomedical Informatics	http://dx.doi.org/10.1016/j.jbi.2020.103438	Non-cardiology focus
August 2021	Health Consumer Usage Patterns in Management of CVD using Data Mining Techniques	Devipriyaa Nagappan; Jim Warren; Patricia Riddle	2019	Proceedings of the Australasian Computer Science Week Multiconference	10.1145/3290688.3290732	No NLP focus/details

August 2021	Extracting hypertrophic cardiomyopathy features from cardiac magnetic resonance reports by natural language processing	Dewaswala-Bhopalwala, N.; Chen, D.; Bhopalwala, H.; Hossein Pour, S.; Moon, S.; Bos, D.; Scott, C.; Geske, J.; Noseworthy, P.; Ommen, S. R.; Erickson, B. J.; Araoz, P. A.; Nishimura, R. A.; Ackerman, M. J.; Arruda-Olson, A. M.	2020	European Heart Journal	http://dx.doi.org/10.1093/ehjci/ehaa946.0199	Abstract only
August 2021	When Sharing Economy Meets IoT: Towards Fine-grained Urban Air Quality Monitoring through Mobile Crowdsensing on Bike-share System	Di Wu; Tao Xiao; Xuewen Liao; Jie Luo; Chao Wu; Shigeng Zhang; Yong Li; Yike Guo	2020	Proc. ACM Interact. Mob. Wearable Ubiquitous Technol.	10.1145/3397328	Non-cardiology focus
August 2021	Automatic Detection of Vital Signs in Clinical Notes of the Outpatient Settings	Diaz Maffini, M.; Aguirre Ojea, F.; Manzotti, M.	2020	Stud Health Technol Inform	10.3233/shti200367	Non-cardiology focus
August 2021	Building a Natural Language Processing Tool to Identify Patients With High Clinical Suspicion for Kawasaki Disease from Emergency Department Notes	Doan, S.; Maehara, C. K.; Chaparro, J. D.; Lu, S.; Liu, R.; Graham, A.; Berry, E.; Hsu, C. N.; Kanegaye, J. T.; Lloyd, D. D.; Ohno-Machado, L.; Burns, J. C.; Tremoulet, A. H.	2016	Acad Emerg Med	10.1111/acem.12925	Non-cardiology focus
August 2021	FoodAI: Food Image Recognition via Deep Learning for Smart Food Logging	Doyen Sahoo; Wang Hao; Shu Ke; Wu Xiongwei; Hung Le; Palakorn Achananuparp; Ee-Peng Lim; Steven C. H. Hoi	2019	Proceedings of the 25th ACM SIGKDD International Conference on Knowledge Discovery & Data Mining	10.1145/3292500.3330734	No NLP focus/details

August 2021	Development and future deployment of a 5 years allograft survival model for kidney transplantation	DuBay, D. A.; Su, Z.; Morinelli, T. A.; Baliga, P. Rohan, V.; Bian, J.; Northrup, D.; Pilch, N.; Rao, V.; Srinivas, T. R.; Mauldin, P. D.; Taber, D. J.	2019	Nephrology (Carlton)	10.1111/nep.13488	Non-cardiology focus
August 2021	Machine learning algorithms in cardiology domain: A systematic review	Dudchenko, A.; Ganzinger, M.; Kopanitsa, G.	2020	Open Bioinformatics Journal	10.2174/1875036202013010025	Review/perspective article
August 2021	Integrating Artificial and Human Intelligence: A Partnership for Responsible Innovation in Biomedical Engineering and Medicine	Dzobo, Kevin; Adotey, Sampson; Thomford, Nicholas E.; Dzobo, Witness	2020	OMICS A Journal of Integrative Biology	http://dx.doi.org/10.1089/omi.2019.0038	Review/perspective article
August 2021	Novel Imputing Method and Deep Learning Techniques for Early Prediction of Sepsis in Intensive Care Units	E. Macias; G. Boquet; J. Serrano; J. Vicario; J. Ibeas; A. Morel	2019	2019 Computing in Cardiology (CinC)	10.23919/CinC49843.2019.9005794	Non-cardiology focus
August 2021	A Novel Tool for Non-Invasive Fetal Electrocardiography Research: the NinFEA Dataset	E. Sulas; G. Pili; E. Gusai; G. Baldazzi; M. Urru; R. Tumbarello; L. Raffo; D. Pani	2020	2020 42nd Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC)	10.1109/EMBC44109.2020.9176327	No NLP focus/details
August 2021	Natural Language Processing for Detecting Medication-Related Notes in Heart Failure Telehealth Patients	Eggerth, A.; Kreiner, K.; Hayn, D.; Pfeifer, B.; Pvdzlz, G.; Egelseer-Brvndl, T.; Schreier, G.	2020	Stud Health Technol Inform	10.3233/shti200263	Included
August 2021	Extracting Angina Symptoms from Clinical Notes Using Pre-Trained Transformer Architectures	Eisman, Aaron S.; Chen, Elizabeth S.; Shah, Nishant R.; Wu, Wen-Chih; Eickhoff, Carsten; Zerveas, George; Sarkar, Indra Neil	2020	AMIA ... Annual Symposium proceedings. AMIA Symposium		Non-cardiology focus

August 2021	The Heart of the Matter: Patient Autonomy as a Model for the Wellbeing of Technology Users	Emanuelle Burton; Kristel Clayville; Judy Goldsmith; Nicholas Mattei	2019	Proceedings of the 2019 AAAI/ACM Conference on AI, Ethics, and Society	10.1145/3306618.3314254	Non-cardiology focus
August 2021	Time Series Analysis Using Fractal and Multifractal Methods	Evgeniya Gospodinova	2019	Proceedings of the 20th International Conference on Computer Systems and Technologies	10.1145/3345252.3345265	No NLP focus/details
August 2021	Nonlinear Dynamics Methods for Analysis of ECG Signals	Evgeniya Gospodinova; Mitko Gospodinov; Maria Negreva	2020	Proceedings of the 21st International Conference on Computer Systems and Technologies '20	10.1145/3407982.3408000	No NLP focus/details
August 2021	Beat-to-beat heart rate detection by smartphone's accelerometers: Validation with ECG	F. Landreani; A. Martin-Yebra; C. Casellato; C. Frigo; E. Pavan; P. Migeotte; E. G. Caiani	2016	2016 38th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)	10.1109/EMBC.2016.7590755	No NLP focus/details
August 2021	Mining Temporal Patterns from Sequential Healthcare Data	F. Movahedi; Y. Zhang; R. Padman; J. F. Antaki	2018	2018 IEEE International Conference on Healthcare Informatics (ICHI)	10.1109/ICHI.2018.00103	No NLP focus/details

August 2021	New Approaches to Conducting Randomized Controlled Trials	Fanaroff, Alexander C.; Califf, Robert M.; Lopes, Renato D.	2020	Journal of the American College of Cardiology	http://dx.doi.org/10.1016/j.jacc.2019.11.043	Review/perspective article
August 2021	Lipid Abnormalities in Patients With Cushing's Disease and Its Relationship With Impaired Glucose Metabolism	Feng, Ming; Bao, Xinjie; Deng, Kan; Yao, Yong; Wang, Renzhi; Sun, Xiaolin; Zhao, Zixuan; Lu, Lin; Zhu, Huijuan	2020	Frontiers in Endocrinology	http://dx.doi.org/10.3389/fendo.2020.600323	Non-cardiology focus
August 2021	Risk of mortality and cardiopulmonary arrest in critical patients presenting to the emergency department using machine learning and natural language processing	Fernandes, M.; Mendes, R.; Vieira, S. M.; Leite, F.; Palos, C.; Johnson, A.; Finkelstein, S.; Horng, S.; Celi, L. A.	2020	PLoS One	10.1371/journal.pone.0230876	Non-cardiology focus
August 2021	Classification of Patients with Coronary Microvascular Dysfunction	Fodeh, S. J.; Li, T.; Jarad, H.; Safdar, B.	2020	IEEE/ACM Trans Comput Biol Bioinform	10.1109/tcbb.2019.2914442	Abstract only
August 2021	Using natural language processing to extract structured epilepsy data from unstructured clinic letters: development and validation of the ExECT (extraction of epilepsy clinical text) system	Fonferko-Shadrach, B.; Lacey, A. S.; Roberts, A.; Akbari, A.; Thompson, S.; Ford, D. V.; Lyons, R. A.; Rees, M. I.; Pickrell, W. O.	2019	BMJ Open	10.1136/bmjopen-2018-023232	Non-cardiology focus
August 2021	Heart Failure Dashboard Design and Validation to Improve Care of Veterans	Foster, Marva; Albanese, Catherine; Chen, Qiang; Evans, Stewart; Sethares, Kristen A.; Lehmann, Lisa Soleymani; Spencer, Jacqueline; Joseph, Jacob	2020	Applied clinical informatics	http://dx.doi.org/10.1055/s-0040-1701257	No NLP focus/details
August 2021	Identifying adults at risk of unintentional severe hypoglycemia in hospital using artificial intelligence (RUSHH-AI)	Fralick, Michael; Dai, David; Pou-Prom, Chloe; Verma, Amol A.; Mamdani, Muhammad	2020	Diabetes	http://dx.doi.org/10.2337/db20-265-OR	Non-cardiology focus

August 2021	The Next Frontier in Pediatric Cardiology: Artificial Intelligence	Gaffar, S.; Gearhart, A. S.; Chang, A. C.	2020	Pediatr Clin North Am	10.1016/j.pcl.2020.06.010	Review/perspective article
August 2021	Wavelet Based method for Non-Stationary Time Series Processing	Galya Georgieva-Tsaneva	2020	Proceedings of the 21st International Conference on Computer Systems and Technologies '20	10.1145/3407982.3408008	No NLP focus/details
August 2021	Body Sensors System for Physiological Data Long-term Monitoring	Galya Georgieva-Tsaneva	2020	Proceedings of the 21st International Conference on Computer Systems and Technologies '20	10.1145/3407982.3408009	Non-cardiology focus
August 2021	Mimvec: a deep learning approach for analyzing the human phenome	Gan, M.; Li, W.; Zeng, W.; Wang, X.; Jiang, R.	2017	BMC Syst Biol	10.1186/s12918-017-0451-z	Non-cardiology focus
August 2021	The anatomy of the SARS-CoV-2 biomedical literature: Introducing the covidx network algorithm for drug repurposing recommendation	Gates, Lyndsey Elaine; Hamed, Ahmed Abdeen	2020	Journal of Medical Internet Research	http://dx.doi.org/10.2196/21169	Non-cardiology focus
August 2021	A primer on artificial intelligence for the paediatric cardiologist	Gearhart, Addison; Gaffar, Sharib; Chang, Anthony C.	2020	Cardiology in the Young	http://dx.doi.org/10.1017/S1047951120001493	Review/perspective article
August 2021	Assigning clinical codes with data-driven concept representation on Dutch clinical free text	Goethals, Bart; Scheurwags, Elyne; Daelemans, Walter; Luyckx, Kim; Luyten, Leon	2017	Journal of Biomedical Informatics	http://dx.doi.org/10.1016/j.jbi.2017.04.007	Non-cardiology focus

August 2021	Characteristics and Prognosis of COVID-19 in Patients with COPD	Graziani, D.; Soriano, J. B.; Del Rio-Bermudez, C.; Morena, D.; DV#az, T.; Castillo, M.; Alonso, M.; Ancochea, J.; Lumbreras, S.; Izquierdo, J. L.	2020	J Clin Med	10.3390/jcm9103259	Non-cardiology focus
August 2021	Data mining information from electronic health records produced high yield and accuracy for current smoking status	Groenhof, T. Katrien J.; Koers, Laurien R.; Grobbee, Diederick E.; Blasse, Enja; de Groot, Mark; Haitjema, Saskia; van Solinge, Wouter; Hoefler, Imo; Asselbergs, Folkert W.; Nathoe, Hendrik M.; de Borst, Gert-Jan; Bots, Michiel L.; Geerlings, Mirjam I.; Emmelot, Marielle H.; de Jong, Pim A.; Leiner, Tim; Lely, A. Titia; van der Kaaij, Niels P.; Kappelle, L. Jaap; Ruigrok, Ynte M.; Verhaar, Marianne C.; Visseren, Frank L. J.; Westerink, Jan	2020	Journal of Clinical Epidemiology	http://dx.doi.org/10.1016/j.jclinepi.2019.11.006	Non-cardiology focus
August 2021	Combining glass box and black box evaluations in the identification of heart disease risk factors and their temporal relations from clinical records	Grouin, C.; Moriceau, V.; Zweigenbaum, P.	2015	J Biomed Inform	10.1016/j.jbi.2015.06.014	Non-cardiology focus
August 2021	Development of text mining based classification of written communication within a telemedical collaborative network	Gruber, K.; Modre-Osprian, R.; Kreiner, K.; Kastner, P.; Schreier, G.	2015	Stud Health Technol Inform		Non-cardiology focus

August 2021	Automated Electronic Phenotyping of Cardioembolic Stroke	Guan, W.; Ko, D.; Khurshid, S.; Trisini Lipsanopoulos, A. T.; Ashburner, J. M.; Harrington, L. X.; Rost, N. S.; Atlas, S. J.; Singer, D. E.; McManus, D. D.; Anderson, C. D.; Lubitz, S. A.	2021	Stroke	10.1161/strokeaha.120.030663	Outside date range
August 2021	Social media based surveillance systems for healthcare using machine learning: A systematic review	Gupta, A.; Katarya, R.	2020	Journal of Biomedical Informatics	10.1016/j.jbi.2020.103500	Review/perspective article
August 2021	On Clinical Event Prediction in Patient Treatment Trajectory Using Longitudinal Electronic Health Records	H. Duan; Z. Sun; W. Dong; K. He; Z. Huang	2020	IEEE Journal of Biomedical and Health Informatics	10.1109/JBHI.2019.2962079	Non-cardiology focus
August 2021	Noncontact Sleep Stage Estimation Using a CW Doppler Radar	H. Hong; L. Zhang; C. Gu; Y. Li; G. Zhou; X. Zhu	2018	IEEE Journal on Emerging and Selected Topics in Circuits and Systems	10.1109/JETCAS.2017.2789278	No NLP focus/details
August 2021	Identify Rare Disease Patients from Electronic Health Records through Machine Learning Approach	H. Soni; A. Vyas; U. Singh	2018	2018 International Conference on Inventive Research in Computing Applications (ICIRCA)	10.1109/ICIRCA.2018.8597203	Non-cardiology focus
August 2021	Automated Transformation of openEHR Data Instances to OWL	Haarbrandt, B.; Jack, T.; Marschollek, M.	2016	Stud Health Technol Inform		Non-cardiology focus
August 2021	Electronic medical record phenotyping using the anchor and learn framework	Halpern, Y.; Horng, S.; Choi, Y.; Sontag, D.	2016	J Am Med Inform Assoc	10.1093/jamia/ocw011	Non-cardiology focus
August 2021	An evaluation of DistillerSR's machine learning-based prioritization tool for title/abstract screening - impact on reviewer-relevant outcomes	Hamel, C.; Kelly, S. E.; Thavorn, K.; Rice, D. B.; Wells, G. A.; Hutton, B.	2020	BMC Med Res Methodol	10.1186/s12874-020-01129-1	Non-cardiology focus

August 2021	Improving the Efficacy of the Data Entry Process for Clinical Research With a Natural Language Processing-Driven Medical Information Extraction System: Quantitative Field Research	Han, J.; Chen, K.; Fang, L.; Zhang, S.; Wang, F.; Ma, H.; Zhao, L.; Liu, S.	2019	JMIR Med Inform	10.2196/13331	Non-cardiology focus
August 2021	The Research on Fractal Dimension of Diabetic Patients Based on ECG Signal	Hao Ma; Xin'an Wang; Tianxia Zhao; He Sun; Zhong Liu	2019	Proceedings of the 2019 4th International Conference on Mathematics and Artificial Intelligence	10.1145/3325730.3325766	Non-cardiology focus
August 2021	Automatic Estimation of Enjoyment Levels during Cardiac Rehabilitation Exercise	Haolin Wei; Kieran Moran; Noel E. O'Connor	2018	Proceedings of the 3rd International Workshop on Multimedia for Personal Health and Health Care	10.1145/3264996.3265003	No NLP focus/details
August 2021	BIN1 Isoform 1 has Less Function in Promoting the Stability of TAT System in Adult Rat Cardiomyocytes	Haolin Zheng	2020	2020 7th International Conference on Biomedical and Bioinformatics Engineering	10.1145/3444884.3444898	No NLP focus/details
August 2021	User intervention based segmentation of Myocardium In cardiac cine MRI images	Heenakousar Shigli; M. H. Tejas; Lohit Narayan; Shrinivas D. Desai	2015	Proceedings of the Third International Symposium on Women in Computing and Informatics	10.1145/2791405.2791545	No NLP focus/details
August 2021	Prediction of Stroke Outcome Using Natural Language Processing-Based Machine Learning of Radiology Report of Brain MRI	Heo, T. S.; Kim, Y. S.; Choi, J. M.; Jeong, Y. S.; Seo, S. Y.; Lee, J. H.; Jeon, J. P.; Kim, C.	2020	J Pers Med	10.3390/jpm10040286	Non-cardiology focus
August 2021	Real world evidence in cardiovascular medicine: ensuring data validity in electronic health record-based studies	Hernandez-Boussard, T.; Monda, K. L.; Crespo, B. C.; Riskin, D.	2019	J Am Med Inform Assoc	10.1093/jamia/ocz119	Non-cardiology focus

August 2021	Use of guideline-directed medical therapy for patients hospitalized with heart failure in the veterans health care system, 2013-2017	Hess, Paul L.; Langner, Paula; Grunwald, Gary K.; Heidenreich, Paul A.; Ho, P. M.	2020	Circulation: Cardiovascular Quality and Outcomes		Abstract only
August 2021	A Virtual Reality Approach to Pediatric Conflict De-escalation and Anger Management	Heyi Liu; Mary Loveless	2019	Proceedings of the Practice and Experience in Advanced Research Computing on Rise of the Machines (learning)	10.1145/3332186.3338098	Non-cardiology focus
August 2021	Co-authorship network analysis in cardiovascular research utilizing machine learning (2009-2019)	Higaki, A.; Uetani, T.; Ikeda, S.; Yamaguchi, O.	2020	Int J Med Inform	10.1016/j.ijmedinf.2020.104274	Non-cardiology focus
August 2021	A Novel Segmentation Method for Cardiac CT Images Based on The Style Transfer Method and Convolutional Neural Networks	Honghao Chen; Changhao Zhou; Wenliang Du; Xiaolin Tian; Lei Liu	2019	Proceedings of the 2019 International Conference on Artificial Intelligence and Computer Science	10.1145/3349341.3349461	No NLP focus/details
August 2021	Exploring food contents in scientific literature with FoodMine	Hooton, F.; Menichetti, G.; Barabv°si, A. L.	2020	Sci Rep	10.1038/s41598-020-73105-0	Non-cardiology focus
August 2021	Factors Associated with Incident Heart Failure Subtypes in Patients with Rheumatoid Arthritis Using Electronic Health Record Data	Huang, Sicong; Cai, Tianrun; Weber, Brittany; He, Zeling; Dahal, Kumar; Kim, Seoyoung; Solomon, Daniel H.; Liao, Katherine; Hong, Chuan; Cai, Tianxi; Cagan, Andrew; Joseph, Jacob	2020	Arthritis and Rheumatology	http://dx.doi.org/10.1002/art.41538	Non-cardiology focus

August 2021	Comparative Study of Heart Disease Diagnosis Using Top Ten Data Mining Classification Algorithms	I. Ketut Agung Enriko	2019	Proceedings of the 5th International Conference on Frontiers of Educational Technologies	10.1145/3338188.3338220	Non-cardiology focus
August 2021	Heart Disease Diagnosis System with k-Nearest Neighbors Method Using Real Clinical Medical Records	I. Ketut Agung Enriko; Muhammad Suryanegara; Dadang Gunawan	2018	Proceedings of the 4th International Conference on Frontiers of Educational Technologies	10.1145/3233347.3233386	No NLP focus/details
August 2021	SUSTain: Scalable Unsupervised Scoring for Tensors and its Application to Phenotyping	Ioakeim Perros; Evangelos E. Papalexakis; Haesun Park; Richard Vuduc; Xiaowei Yan; Christopher Defilippi; Walter F. Stewart; Jimeng Sun	2018	Proceedings of the 24th ACM SIGKDD International Conference on Knowledge Discovery & Data Mining	10.1145/3219819.3219999	Non-cardiology focus
August 2021	Detection of carotid artery stenosis via electronic stethoscope: A preliminary study with heart sound segmentation	J. Li; A. Liu; W. Liu	2015	2015 IEEE International Conference on Consumer Electronics - Taiwan	10.1109/ICCE-TW.2015.7216868	No NLP focus/details
August 2021	Automatic Classification of Fetal Heart Rate Based on Convolutional Neural Network	J. Li; Z. Chen; L. Huang; M. Fang; B. Li; X. Fu; H. Wang; Q. Zhao	2019	IEEE Internet of Things Journal	10.1109/JIOT.2018.2845128	Non-cardiology focus

August 2021	Symmetrical Compression Distance for Arrhythmia Discrimination in Cloud-Based Big-Data Services	J. M. Lillo-Castellano; I. Mora-Jimenez; R. Santiago-Mozos; F. Chavarría-Asso; A. Cano-González; A. García-Alberola; J. L. Rojo-Álvarez	2015	IEEE Journal of Biomedical and Health Informatics	10.1109/JBHI.2015.2412175	No NLP focus/details
August 2021	CogStack - experiences of deploying integrated information retrieval and extraction services in a large National Health Service Foundation Trust hospital	Jackson, R.; Kartoglu, I.; Stringer, C.; Gorrell, G.; Roberts, A.; Song, X.; Wu, H.; Agrawal, A.; Lui, K.; Groza, T.; Lewsley, D.; Northwood, D.; Folarin, A.; Stewart, R.; Dobson, R.	2018	BMC Med Inform Decis Mak	10.1186/s12911-018-0623-9	Non-cardiology focus
August 2021	Pharmacogenetic information in summaries of product characteristics: Analysis by natural language processing	Jeiziner, C.; Hersberger, K. E.; Meyer Zu Schwabedissen, H. E.; Suter, K.	2020	International Journal of Clinical Pharmacy	http://dx.doi.org/10.1007/s11096-019-00945-w	Non-cardiology focus
August 2021	Instance Weighting for Patient-Specific Risk Stratification Models	Jen J. Gong; Thoralf M. Sundt; James D. Rawn; John V. Guttag	2015	Proceedings of the 21th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining	10.1145/2783258.2783397	Non-cardiology focus
August 2021	Probabilistic forecasting of surgical case duration using machine learning: model development and validation	Jiao, Y.; Sharma, A.; Ben Abdallah, A.; Maddox, T. M.; Kannampallil, T.	2020	J Am Med Assoc Inform Assoc	10.1093/jamia/ocaa140	No NLP focus/details
August 2021	Learning Motion Based Auxiliary Task for Cardiomyopathy Recognition with Cardiac Magnetic Resonance Images	Jingjing Xiao; Xiangjun Liu; Qian Tao; Jia Chen	2020	Proceedings of the 4th International Conference on Computer Science and Application Engineering	10.1145/3424978.3425122	No NLP focus/details

August 2021	The Heart Failure Treatment of β -Blockers	Jiujiu Su	2020	2020 7th International Conference on Biomedical and Bioinformatics Engineering	10.1145/3444884.3444896	No NLP focus/details
August 2021	Hard-Label Black-Box Adversarial Attack on Deep Electrocardiogram Classifier	Jonathan Lam; Pengrui Quan; Jiamin Xu; Jeya Vikranth Jeyakumar; Mani Srivastava	2020	Proceedings of the 1st ACM International Workshop on Security and Safety for Intelligent Cyber-Physical Systems	10.1145/3417312.3431827	No NLP focus/details
August 2021	Coronary artery disease risk assessment from unstructured electronic health records using text mining	Jonnagadda, J.; Liaw, S. T.; Ray, P.; Kumar, M.; Chang, N. W.; Dai, H. J.	2015	J Biomed Inform	10.1016/j.jbi.2015.08.003	Duplicate
August 2021	Text Mining of the Electronic Health Record: An Information Extraction Approach for Automated Identification and Subphenotyping of HFpEF Patients for Clinical Trials	Jonnalagadda, S. R.; Adupa, A. K.; Garg, R. P.; Corona-Cox, J.; Shah, S. J.	2017	J Cardiovasc Transl Res	10.1007/s12265-017-9752-2	Duplicate
August 2021	Developing software for motivating individuals with intellectual disabilities to do outdoor physical activity	Juan C. Torrado; Ida Wold; Letizia Jaccheri; Susanna Pelagatti; Stefano Chessa; Javier Gomez; Gunnar Hartvigsen; Henriette Michalsen	2020	Proceedings of the ACM/IEEE 42nd International Conference on Software Engineering: Software Engineering in Society	10.1145/3377815.3381376	Non-cardiology focus

August 2021	Factors Associated with Implantable Cardioverter-Defibrillator Placement among U.S. Veterans with Left Ventricular Ejection Fraction $\leq 35\%$ at Least 40 Days after Acute Myocardial Infarction	Judson, Gregory L.; Cohen, Beth; Muniyappa, Anoop; Raitt, Merritt; Shen, Hui; Tarasovsky, Gary; Whooley, Mary; Dhruva, Sanket	2020	Circulation	http://dx.doi.org/10.1161/circ.142.suppl_3.16101	No NLP focus/details
August 2021	Research on the Hypertension Syndrome Elements Differentiation of TCM Based on Multi-label Learning and Ensemble Learning	Jun Li; Jianqiang Li; Dongyi Yi	2018	Proceedings of the 2018 International Conference on Big Data and Computing	10.1145/3220199.3220225	Non-cardiology focus
August 2021	Identification of Patients with Heart Failure in Large Datasets	Kadosh, B. S.; Katz, S. D.; Blecker, S.	2020	Heart Fail Clin	10.1016/j.hfc.2020.05.001	Review/perspective article
August 2021	Sociocultural Dimensions of Tracking Health and Taking Care	Karthik S. Bhat; Neha Kumar	2020	Proc. ACM Hum.-Comput. Interact.	10.1145/3415200	Review/perspective article
August 2021	Using local lexicalized rules to identify heart disease risk factors in clinical notes	Karystianis, G.; Dehghan, A.; Kovacevic, A.; Keane, J. A.; Nenadic, G.	2015	J Biomed Inform	10.1016/j.jbi.2015.06.013	Non-cardiology focus
August 2021	Underestimated prevalence of heart failure in hospital inpatients: a comparison of ICD codes and discharge letter information	Kaspar, M.; Fette, G.; Gvøder, G.; Seidlmayer, L.; Ertl, M.; Dietrich, G.; Greger, H.; Puppe, F.; Stvørk, S.	2018	Clin Res Cardiol	10.1007/s00392-018-1245-z	No NLP focus/details
August 2021	Automated chart review utilizing natural language processing algorithm for asthma predictive index	Kaur, H.; Sohn, S.; Wi, C. I.; Ryu, E.; Park, M. A.; Bachman, K.; Kita, H.; Croghan, I.; Castro-Rodriguez, J. A.; Voge, G. A.; Liu, H.; Juhn, Y. J.	2018	BMC Pulm Med	10.1186/s12890-018-0593-9	Non-cardiology focus

August 2021	A varied data shape and fidelity probing approach for assessing automated deep neural network-based cardiac magnetic resonance image sorting pipelines	Kawaji, Keigo; Maeda, Tsubasa; Tamura, Satoshi; Chauhan, Daksh; Patel, Amit; Goes, Jacob; Obioma, Blessing; Vaicik, Marcella K.	2020	Journal of Investigative Medicine	http://dx.doi.org/10.1136/jim-2020-MW.10	No NLP focus/details
August 2021	Generating Training Data for Concept-Mining for an 'Interface Terminology' Annotating Cardiology EHRs	Keloth, V. K.; Zhou, S.; Einstein, A. J.; Elhanan, G.; Chen, Y.; Geller, J.; Perl, Y.	2020	Proceedings - 2020 IEEE International Conference on Bioinformatics and Biomedicine, BIBM 2020	10.1109/BIBM49941.2020.9313435	No NLP focus/details
August 2021	Adapting existing natural language processing resources for cardiovascular risk factors identification in clinical notes	Khalifa, A.; Meystre, S.	2015	J Biomed Inform	10.1016/j.jbi.2015.08.002	Non-cardiology focus
August 2021	A two-stage big data analytics framework with real world applications using spark machine learning and long short-term memory network	Khan, M. A.; Karim, M. R.; Kim, Y.	2018	Symmetry	10.3390/sym10100485	No NLP focus/details
August 2021	Artificial Intelligence and Machine Learning in Cardiovascular Health Care	Kilic, A.	2020	Ann Thorac Surg	10.1016/j.athoracsur.2019.09.042	Review/perspective article
August 2021	Classification of Contextual Use of Left Ventricular Ejection Fraction Assessments	Kim, Y.; Garvin, J.; Goldstein, M. K.; Meystre, S. M.	2015	Stud Health Technol Inform		Duplicate
August 2021	Validation of deep learning natural language processing algorithm for keyword extraction from pathology reports in electronic health records	Kim, Y.; Lee, J. H.; Choi, S.; Lee, J. M.; Kim, J. H.; Seok, J.; Joo, H. J.	2020	Sci Rep	10.1038/s41598-020-77258-w	Non-cardiology focus
August 2021	A Study of Concept Extraction Across Different Types of Clinical Notes	Kim, Y.; Riloff, E.; Hurdle, J. F.	2015	AMIA Annu Symp Proc		Non-cardiology focus
August 2021	All-cause and suicide mortality among lesbian, gay, and bisexual veterans who utilize care through the veterans health administration	Knight, S. J.; Lynch, K. E.; Viernes, B.; Gatsby, E.; DuVall, S. L.; Blosnich, J. R.	2020	Health Services Research	http://dx.doi.org/10.1111/1475-6773.13402	Non-cardiology focus

August 2021	THE ADDITIONAL VALUE OF NATURAL LANGUAGE PROCESSING TO IDENTIFY DISEASE PREVALENCE BASED ON ELECTRONIC MEDICAL RECORD IMAGING REPORTS	Kocyigit, Duygu; Milinovich, Alex; Lee, Chan M.; Hanna, Mazen; Gabrovesk, Andrej; Jin, Jian; Silverman, Micheal; Ahmad, Maleeha; Tang, W. H. Wilson; Grimm, Richard A.; Cho, Leslie; Griffin, Brian P.; Flamm, Scott D.; Kwon, Deborah	2020	Journal of the American College of Cardiology	http://dx.doi.org/10.1016/S0735-1097%2820%2934269-8	Abstract only
August 2021	PERFORMANCE AND ACCURACY OF NATURAL LANGUAGE PROCESSING TO IDENTIFY DISEASE ETIOLOGY FROM NON-STRUCTURED CARDIAC MAGNETIC RESONANCE IMAGING ELECTRONIC MEDICAL RECORD REPORTS	Kocyigit, Duygu; Milinovich, Alex; Lee, Chan M.; Silverman, Micheal; Ahmad, Maleeha; Hanna, Mazen; Gabrovesk, Andrej; Jin, Jian; Tang, W. H. Wilson; Grimm, Richard A.; Cho, Leslie; Griffin, Brian P.; Flamm, Scott D.; Kwon, Deborah	2020	Journal of the American College of Cardiology	http://dx.doi.org/10.1016/S0735-1097%2820%2934266-2	Abstract only
August 2021	Natural language processing of symptoms documented in free-text narratives of electronic health records: a systematic review	Koleck, T. A.; Dreisbach, C.; Bourne, P. E.; Bakken, S.	2019	J Am Med Inform Assoc	10.1093/jamia/ocy173	Duplicate
August 2021	A systematic comparison of feature space effects on disease classifier performance for phenotype identification of five diseases	Kotfila, C.; Uzuner, vñ	2015	J Biomed Inform	10.1016/j.jbi.2015.07.016	Non-cardiology focus
August 2021	Finding Needles in the Haystack: Identifying Patients with Rare Subtype of Multiple Myeloma Supported by a Data Warehouse and Information Extraction	Krebs, J.; Bittrich, M.; Dietrich, G.; Ertl, M.; Fette, G.; Kaspar, M.; Liman, L.; Einsele, H.; Puppe, F.; Knop, S.	2018	Stud Health Technol Inform		Non-cardiology focus

August 2021	Robustness evaluation of computer-aided clinical trials for medical devices	Kuk Jin Jang; Yash Vardhan Pant; Bo Zhang; James Weimer; Rahul Mangharam	2019	Proceedings of the 10th ACM/IEEE International Conference on Cyber-Physical Systems	10.1145/3302509.3311058	Non-cardiology focus
August 2021	Creation of a new longitudinal corpus of clinical narratives	Kumar, V.; Stubbs, A.; Shaw, S.; Uzuner, vñ	2015	J Biomed Inform	10.1016/j.jbi.2015.09.018	Non-cardiology focus
August 2021	SEMCARE: Multilingual Semantic Search in Semi-Structured Clinical Data	Lv≥pez-GarcV#a, P.; Kreuzthaler, M.; Schulz, S.; Scherr, D.; Daumke, P.; Markv≥, K.; Kors, J. A.; van Mulligen, E. M.; Wang, X.; Gonna, H.; Behr, E.; Honrado, vÅ	2016	Stud Health Technol Inform		Non-cardiology focus
August 2021	Heart disease prediction using optimal name recognition based on deep learning models and whale optimization algorithms	Latha, U.; Velmurugan, T.	2019	Journal of Advanced Research in Dynamical and Control Systems		Non-cardiology focus
August 2021	Automated snomed ct mapping of clinical discharge summary data for cardiology queries in clinical facilities	Latip, Abdul Aziz; Domingo, Ma Stella Tabora; Abd Rahim, Tengku Nurulhuda Tengku; Sulaiman, Ismat Mohd	2020	International Journal of Pharma Medicine and Biological Sciences	http://dx.doi.org/10.18178/ijpmb.10.1.8-16	Outside date range
August 2021	An automated framework for predicting obstructive sleep apnea using a brief, daytime, non-intrusive test procedure	Lauren Samy; Paul M. Macey; Nabil Alshurafa; Majid Sarrafzadeh	2015	Proceedings of the 8th ACM International Conference on PErvasive Technologies Related to Assistive Environments	10.1145/2769493.2769541	Non-cardiology focus

August 2021	Unraveling Plant Natural Chemical Diversity for Drug Discovery Purposes	Lautiv©, E.; Russo, O.; Ducrot, P.; Boutin, J. A.	2020	Frontiers in Pharmacology	10.3389/fphar.2020.00397	Non-cardiology focus
August 2021	Machine Learning-Based Data Mining Method for Sentiment Analysis of the Sewol Ferry Disaster's Effect on Social Stress	Lee, M. J.; Lee, T. R.; Lee, S. J.; Jang, J. S.; Kim, E. J.	2020	Front Psychiatry	10.3389/fpsy.2020.505673	Non-cardiology focus
August 2021	Deep Natural Language Processing to Identify Symptom Documentation in Clinical Notes for Patients With Heart Failure Undergoing Cardiac Resynchronization Therapy	Leiter, R. E.; Santus, E.; Jin, Z.; Lee, K. C.; Yusuf, M.; Chien, I.; Ramaswamy, A.; Moseley, E. T.; Qian, Y.; Schrag, D.; Lindvall, C.	2020	J Pain Symptom Manage	10.1016/j.jpain.2020.06.010	Included
August 2021	An investigation of single-domain and multidomain medication and adverse drug event relation extraction from electronic health record notes using advanced deep learning models	Li, F.; Yu, H.	2019	J Am Med Inform Assoc	10.1093/jamia/ocz018	Non-cardiology focus
August 2021	Analysis of care pathway variation patterns in patient records	Li, X.; Mei, J.; Liu, H.; Yu, Y.; Xie, G.; Hu, J.; Wang, F.	2015	Stud Health Technol Inform		Non-cardiology focus
August 2021	Coronary artery disease risk assessment from unstructured electronic health records using text mining	Liaw, Siaw-Teng; Ray, Pradeep; Jonnagaddala, Jitendra; Kumar, Manish; Dai, Hong-Jie; Chang, Nai-Wen	2015	Journal of Biomedical Informatics	http://dx.doi.org/10.1016/j.jbi.2015.08.003	Non-cardiology focus
August 2021	Identification and Progression of Heart Disease Risk Factors in Diabetic Patients from Longitudinal Electronic Health Records	Liaw, Siaw-Teng; Ray, Pradeep; Jonnagaddala, Jitendra; Kumar, Manish; Dai, Hong-Jie; Hsu, Chien-Yeh	2015	BioMed Research International	http://dx.doi.org/10.1155/2015/636371	Non-cardiology focus
August 2021	Transcriptome Analysis on the Effect of Tartary Buckwheat Polysaccharide on the Liver of NAFLD-Model Mice	Litao Zhang; Qiang Ren; Qian Chen	2020	Proceedings of the Fourth International Conference on Biological Information and Biomedical Engineering	10.1145/3403782.3403818	No NLP focus/details

August 2021	Computational network biology: Data, models, and applications	Liu, C.; Ma, Y.; Zhao, J.; Nussinov, R.; Zhang, Y. C.; Cheng, F.; Zhang, Z. K.	2020	Physics Reports	10.1016/j.physrrep.2019.12.004	Review/perspective article
August 2021	Constructing Large Scale Cohort for Clinical Study on Heart Failure with Electronic Health Record in Regional Healthcare Platform: Challenges and Strategies in Data Reuse	Liu, D.; Lei, L.; Ruan, T.; He, P.	2019	Chinese Medical Sciences Journal	10.24920/003579	Review/perspective article
August 2021	The pace, presentation, and profile of community-acquired sepsis and infection	Liu, V.; Bhimarao, M.; Greene, J. D.; Barreda, F.; Manickam, R.; Escobar, G.	2020	American Journal of Respiratory and Critical Care Medicine		Non-cardiology focus
August 2021	Automatic de-identification of electronic medical records using token-level and character-level conditional random fields	Liu, Z.; Chen, Y.; Tang, B.; Wang, X.; Chen, Q.; Li, H.; Wang, J.; Deng, Q.; Zhu, S.	2015	J Biomed Inform	10.1016/j.jbi.2015.06.009	Non-cardiology focus
August 2021	Using Natural Language Processing to Identify Patients with Immune Checkpoint Inhibitor-Associated Myocarditis	Lu, D. J.; Kamrava, M.; McArthur, H. L.; Reckamp, K.; Tamarappoo, B.; Atkins, K. M.	2020	International Journal of Radiation Oncology Biology Physics	http://dx.doi.org/10.1016/j.ijrobp.2020.07.217	Non-cardiology focus
August 2021	IMACS - an interactive cognitive assistant module for cardiac arrest cases in emergency medical service: demo abstract	M Arif Rahman; Sarah Preum; John A. Stankovic; Leon Jia; Eimara Mirza; Ronald Williams; Homa Alemzadeh	2020	Proceedings of the 18th Conference on Embedded Networked Sensor Systems	10.1145/3384419.3430451	Non-cardiology focus
August 2021	Ensemble Empirical Mode Decomposition With Principal Component Analysis: A Novel Approach for Extracting Respiratory Rate and Heart Rate From Photoplethysmographic Signal	M. A. Motin; C. K. Karmakar; M. Palaniswami	2018	IEEE Journal of Biomedical and Health Informatics	10.1109/JBHI.2017.2679108	No NLP focus/details
August 2021	Heart rate variability analysis for diagnosis of diabetic peripheral neuropathy	M. G. Morshed; M. A. Mukit; K. I. U. Ahmed; R. Mostafa; S. Parveen; A. H. Khandoker	2020	2020 IEEE Region 10 Symposium (TENSYP)	10.1109/TENSYM.2020.9230736	Non-cardiology focus

August 2021	Fetal heart abnormality detection based on subspace separation and Wiener filtering	M. Gunarathne; W. Wansekara; G. Wimalarathna; G. Godaliyadda; M. Ekanayake; J. Wijayakulasooriya; R. Rathnayake	2017	2017 IEEE International Conference on Industrial and Information Systems (ICIIS)	10.1109/ICIINFS.2017.8300349	Non-cardiology focus
August 2021	Cyclostationary analysis of ECG signals acquired inside an ultra-high field MRI scanner	M. Haritopoulos; J. Krug; A. Illanes; M. Friebe; A. K. Nandi	2017	2017 25th European Signal Processing Conference (EUSIPCO)	10.23919/EUSIPCO.2017.8081418	No NLP focus/details
August 2021	A visualization of evolving clinical sentiment using vector representations of clinical notes	M. M. Ghassemi; R. G. Mark; S. Nemati	2015	2015 Computing in Cardiology Conference (CinC)	10.1109/CIC.2015.7410989	Non-cardiology focus
August 2021	A spatial data analysis infrastructure for environmental health research	M. Mirto; S. Fiore; L. Conte; L. V. Bruno; G. Aloisio	2016	2016 International Conference on High Performance Computing & Simulation (HPCS)	10.1109/HPCSim.2016.7568367	No NLP focus/details
August 2021	The role of waveform monitoring in Sepsis identification within the first hour of Intensive Care Unit stay	M. Mollura; G. Mantoan; S. Romano; L. W. Lehman; R. G. Mark; R. Barbieri	2020	2020 11th Conference of the European Study Group on Cardiovascular Oscillations (ESGCO)	10.1109/ESGCO49734.2020.9158013	Non-cardiology focus

August 2021	Prediction of Septic Shock Onset in ICU by Instantaneous Monitoring of Vital Signs	M. Mollura; S. Romano; G. Mantoan; L. w. Lehman; R. Barbieri	2020	2020 42nd Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC)	10.1109/EMBC44109.2020.9176276	Non-cardiology focus
August 2021	Heart Rate Extraction from Photoplethysmography Signal: A Multi Model Machine Learning Approach	M. S. Miah; S. S. Bashar; A. H. M. Z. Karim; Z. Hasan	2020	2020 IEEE 2nd International Conference on Artificial Intelligence in Engineering and Technology (IICAET)	10.1109/IICAET49801.2020.9257869	No NLP focus/details
August 2021	Use of electronic medical records in development and validation of risk prediction models of hospital readmission: systematic review	Mahmoudi, E.; Kamdar, N.; Kim, N.; Gonzales, G.; Singh, K.; Waljee, A. K.	2020	Bmj	10.1136/bmj.m958	Review/perspective article
August 2021	Electronic Consultation for the Management of Atrial Fibrillation is Associated with Higher Healthcare Costs	Manning, Evan S.; Whittington, Melanie D.; Kirsh, Susan R.; Kenney, Rachael; ToddStenberg, Jeffrey; Au, David H.; Ho, Michael; Simonetti, Joseph	2020	Circulation	http://dx.doi.org/10.1161/circ.142.suppl_3.13412	Abstract only
August 2021	Network Structures and Dynamics Of Early Dementia Events Recorded in Primary Care Electronic Health Records	Maxine Mackintosh; Arturo Gonzalez-Izquierdo; Martin Rossor; Kirstie Whitaker; Kenan Direk; Spiros Denaxas	2019	Proceedings of the 9th International Conference on Digital Public Health	10.1145/3357729.3357757	Non-cardiology focus

August 2021	A Supervised Learning Approach for Robust Health Monitoring using Face Videos	Mayank Gupta; Lingjun Chen; Denny Yu; Vaneet Aggarwal	2020	Proceedings of the 2nd ACM Workshop on Device-Free Human Sensing	10.1145/3427772.3429392	Non-cardiology focus
August 2021	Implementing Artificial Intelligence and Digital Health in Resource-Limited Settings? Top 10 Lessons We Learned in Congenital Heart Defects and Cardiology	Mazandu, Gaston Kuzamunu; Agamah, Francis Edem; Chimusa, Emile; Dandara, Collet; Wonkam, Ambroise; Thomford, Nicholas Ekow; Bope, Christian Domilongo; Ntumba, Simon Badibanga; Dzobo, Kevin; Owusu Ateko, Richmond	2020	OMICS A Journal of Integrative Biology	http://dx.doi.org/10.1089/omi.2019.0142	Review/perspective article
August 2021	Prevalence and incidence of clinical outcomes in patients presenting to secondary mental health care with mood instability and sleep disturbance	McDonald, K.; Smith, T.; Broadbent, M.; Patel, R.; Geddes, J. R.; Saunders, K. E. A.	2020	Eur Psychiatry	10.1192/j.eurpsy.2020.39	Non-cardiology focus
August 2021	Use of text-mining methods to improve efficiency in the calculation of drug exposure to support pharmacoepidemiology studies	McTaggart, S.; Nangle, C. Caldwell, J.; Alvarez-Madrado, S.; Colhoun, H.; Bennie, M.	2018	Int J Epidemiol	10.1093/ije/dyx264	Non-cardiology focus
August 2021	Understanding the Comorbidity of Multiple Chronic Diseases Using a Network Approach	Md Ekramul Hossain; Arif khan; Shahadat Uddin	2019	Proceedings of the Australasian Computer Science Week Multiconference	10.1145/3290688.3290730	Non-cardiology focus

August 2021	Automated classification of congestive heart failure severity using time domain, frequency domain and non-linear heart rate variability measures	Mehrin Gilani; Mikael Eklund	2015	Proceedings of the 25th Annual International Conference on Computer Science and Software Engineering		No NLP focus/details
August 2021	Congestive heart failure information extraction framework for automated treatment performance measures assessment	Meystre, S. M.; Kim, Y.; Gobbel, G. T.; Matheny, M. E.; Redd, A.; Bray, B. E.; Garvin, J. H.	2017	J Am Med Inform Assoc	10.1093/jamia/ocw097	Duplicate
August 2021	Heart Failure Medications Detection and Prescription Status Classification in Clinical Narrative Documents	Meystre, S. M.; Kim, Y.; Heavirland, J.; Williams, J.; Bray, B. E.; Garvin, J.	2015	Stud Health Technol Inform		Duplicate
August 2021	Clinically Comprehensible Clustering of Change in Time Series: The C4TS Algorithm	Michael Merry; Johan Van Schalkwyk; David Cumin; Jim Warren	2019	Proceedings of the Australasian Computer Science Week Multiconference	10.1145/3290688.3290723	No NLP focus/details
August 2021	Automatic Extraction of Risk Factors for Dialysis Patients from Clinical Notes Using Natural Language Processing Techniques	Michalopoulos, G.; Qazi, H.; Wong, A.; Butt, Z.; Chen, H.	2020	Stud Health Technol Inform	10.3233/shti200121	Non-cardiology focus
August 2021	Low testosterone on social media: Application of natural language processing to understand patients' perceptions of hypogonadism and its treatment	Mills, Jesse Nelson; Osadchiy, Vadim; Jiang, Tommy; Eleswarapu, Sriram Venkata	2020	Journal of Medical Internet Research	http://dx.doi.org/10.2196/21383	Duplicate

August 2021	OfficeBP: noninvasive continuous blood pressure monitoring based on PPT in office environment	Mingzhe Guo; Hongbo Ni; Alex Q. Chen	2020	Adjunct Proceedings of the 2020 ACM International Joint Conference on Pervasive and Ubiquitous Computing and Proceedings of the 2020 ACM International Symposium on Wearable Computers	10.1145/3410530.3414398	No NLP focus/details
August 2021	Comparative Analysis of Statistical Methods for Estimating Hurst Exponent	Mitko Gospodinov; Evgeniya Gospodinova; Ekaterina Popovska	2020	Proceedings of the 21st International Conference on Computer Systems and Technologies '20	10.1145/3407982.3408012	No NLP focus/details
August 2021	Textual analysis of collaboration notes of the telemedical heart failure network HerzMobil Tirol	Modre-Osprian, R.; Gruber, K.; Kreiner, K.; Schreier, G.; Poelzl, G.; Kastner, P.	2015	Stud Health Technol Inform		No NLP focus/details
August 2021	Machine Learning Approach for Motion Artifact Detection in Ballistocardiogram Signals	Moein Enayati; Nasibeh Zanjirani Farahani; Marjorie Skubic	2020	Proceedings of the 14th EAI International Conference on Pervasive Computing Technologies for Healthcare	10.1145/3421937.3421970	No NLP focus/details

August 2021	Knowledge transfer from experts to novices in minimally invasive catheter mediated (MIC) interventions, eye-tracking study	Mohammad Al-Naser; Peter Lanzer; Andreas Dengel; Syed Saqib Bukhari; Seyyed Saleh Mozaffari Chanijani	2016	Proceedings of the 18th International Conference on Human-Computer Interaction with Mobile Devices and Services Adjunct	10.1145/2957265.2965013	No NLP focus/details
August 2021	An Approach of Predicting Heart Disease Using a Hybrid Neural Network and Decision Tree	Mohammad Ali Hassani; Ran Tao; Marjan Kamyab; Mohammad Hadi Mohammadi	2020	Proceedings of the 2020 5th International Conference on Big Data and Computing	10.1145/3404687.3404704	No NLP focus/details
August 2021	Automated extraction of sudden cardiac death risk factors in hypertrophic cardiomyopathy patients by natural language processing	Moon, S.; Liu, S.; Scott, C. G.; Samudrala, S.; Abidian, M. M.; Geske, J. B.; Noseworthy, P. A.; Shellum, J. L.; Chaudhry, R.; Ommen, S. R.; Nishimura, R. A.; Liu, H.; Arruda-Olson, A. M.	2019	Int J Med Inform	10.1016/j.ijmedinf.2019.05.008	Non-cardiology focus
August 2021	Sarcopenia, frailty and cachexia patients detected in a multisystem electronic health record database	Moorthi, R. N.; Liu, Z.; El-Azab, S. A.; Lembcke, L. R.; Miller, M. R.; Broyles, A. A.; Imel, E. A.	2020	BMC Musculoskelet Disord	10.1186/s12891-020-03522-9	Non-cardiology focus
August 2021	Computer Aided Detection of Normal and Abnormal Heart Sound using PCG	Muhammad Fahad Khan; Maliha Atteeq; Adnan N. Qureshi	2019	Proceedings of the 2019 11th International Conference on Bioinformatics and Biomedical Technology	10.1145/3340074.3340086	No NLP focus/details

August 2021	New Approach for Currents Assessment in Single Ion Channels of Cardiac Cells Nuclei	N. Ivanushkina; K. Ivanko; A. Kotliarova; O. Kotyk; V. Lukianenko; I. Nesteruk; V. Timofeyev; B. Zadokha	2020	2020 IEEE 40th International Conference on Electronics and Nanotechnology (ELNANO)	10.1109/ELNANO50318.2020.9088751	No NLP focus/details
August 2021	Explanatory Analysis of a Machine Learning Model to Identify Hypertrophic Cardiomyopathy Patients from EHR Using Diagnostic Codes	N. Z. Farahani; D. S. B. Sundaram; M. Enayati; S. P. Arunachalam; K. Pasupathy; A. M. Arruda-Olson	2020	2020 IEEE International Conference on Bioinformatics and Biomedicine (BIBM)	10.1109/BIBM49941.2020.9313231	No NLP focus/details
August 2021	The Automatic Repairing Method Addressing Clipping Distortions and Frictional Noises in Electronic Stethoscope	N. Zhou; J. Wang; B. Sun; R. Liu; N. Hu	2019	2019 IEEE 7th International Conference on Bioinformatics and Computational Biology (ICBCB)	10.1109/ICBCB.2019.8854669	No NLP focus/details
August 2021	Multiscale classification of heart failure phenotypes by unsupervised clustering of unstructured electronic medical record data	Nagamine, T.; Gillette, B.; Pakhomov, A.; Kahoun, J.; Mayer, H.; Burghaus, R.; Lippert, J.; Saxena, M.	2020	Sci Rep	10.1038/s41598-020-77286-6	No NLP focus/details
August 2021	Swarm intelligence and data mining: a review of literature and applications in healthcare	Nandini Nayar; Sachin Ahuja; Shaily Jain	2019	Proceedings of the Third International Conference on Advanced Informatics for Computing Research	10.1145/3339311.3339323	Review/perspective article
August 2021	A Natural Language Processing Tool for Large-Scale Data Extraction from Echocardiography Reports	Nath, C.; Albaghdadi, M. S.; Jonnalagadda, S. R.	2016	PLoS One	10.1371/journal.pone.0153749	Duplicate

August 2021	A Survey of Challenges and Opportunities in Sensing and Analytics for Risk Factors of Cardiovascular Disorders	Nathan C. Hurley; Erica S. Spatz; Harlan M. Krumholz; Roozbeh Jafari; Bobak J. Mortazavi	2021	ACM Trans. Comput. Healthcare	10.1145/3417958	Abstract only
August 2021	Using clinical data text-mining analysis to examine the association between androgen deprivation therapy and depression	Nead, Kevin T.; Gaskin, Gregory L.; Chester, Cariad; Leeper, Nicholas J.; Shah, Nigam H.	2015	Journal of Clinical Oncology		Non-cardiology focus
August 2021	Text-mining methods applied to clinical records support an association between androgen deprivation therapy and subsequent cardiometabolic disease	Nead, Kevin T.; Gaskin, Gregory L.; Chester, Cariad; Shah, Nigam H.; Leeper, Nicholas J.	2015	Cancer Research	http://dx.doi.org/10.1158/1538-7445.AM2015-5577	Non-cardiology focus
August 2021	Efficient Heart Disease Prediction System using K-Nearest Neighbor Classification Technique	Nida Khateeb; Muhammad Usman	2017	Proceedings of the International Conference on Big Data and Internet of Thing	10.1145/3175684.3175703	No NLP focus/details
August 2021	How do Twitter, Wikipedia, and Harrison's principles of medicine describe heart attacks?	Nikhil Devraj; Michael Chary	2015	Proceedings of the 6th ACM Conference on Bioinformatics, Computational Biology and Health Informatics	10.1145/2808719.2812591	Duplicate
August 2021	Cross-Modal Health State Estimation	Nitish Nag; Vaibhav Pandey; Preston J. Putzel; Hari Bhimaraju; Srikanth Krishnan; Ramesh Jain	2018	Proceedings of the 26th ACM international conference on Multimedia	10.1145/3240508.3241913	No NLP focus/details

August 2021	Inter-Patient ECG Classification with Symbolic Representations and Multi-Perspective Convolutional Neural Networks	Niu, J.; Tang, Y.; Sun, Z.; Zhang, W.	2020	IEEE Journal of Biomedical and Health Informatics	10.1109/JBHI.2019.2942938	No NLP focus/details
August 2021	Limited alignment of publicly competitive disease funding with disease burden in Japan	Nomura, S.; Yoneoka, D.; Tanaka, S.; Makuuchi, R.; Sakamoto, H.; Ishizuka, A.; Nakamura, H.; Kubota, A.; Shibuya, K.	2020	PLoS One	10.1371/journal.pone.0228542	Non-cardiology focus
August 2021	Detection of Signs of Cardiovascular System Ischemic Episodes in the Conditions of Person's Daily Activities	Olga Melnik	2017	Proceedings of the 9th International Conference on Bioinformatics and Biomedical Technology	10.1145/3093293.3093313	Non-cardiology focus
August 2021	Low testosterone on social media: Application of natural language processing to understand patients' perceptions of hypogonadism	Osadchiy, Vadim; Mills, Jesse; Eleswarapu, Sriram	2020	Journal of Urology		Non-cardiology focus
August 2021	Potential Prognostic Markers in the Heart Rate Variability Features for Early Diagnosis of Sepsis in the Pediatric Intensive Care Unit using Convolutional Neural Network Classifiers	P. Amiri; H. Abbasi; A. Derakhshan; B. Gharib; B. Nooralishahi; M. Mirzaaghayan	2020	2020 42nd Annual International Conference of the IEEE Engineering in Medicine & Biology Society (EMBC)	10.1109/EMBC44109.2020.9175481	Non-cardiology focus
August 2021	An Algorithm for Heart Rate Extraction From Acoustic Recordings at the Neck	P. Sharma; S. A. Imtiaz; E. Rodriguez-Villegas	2019	IEEE Transactions on Biomedical Engineering	10.1109/TBME.2018.2836187	No NLP focus/details
August 2021	In heart failure, adding empagliflozin to medical therapy reduced a composite of CV death or HF hospitalization	Palaskas, N. L.; Deswal, A.	2020	Ann Intern Med	10.7326/acpj202011170-051	No NLP focus/details

August 2021	Design Opportunities for Supporting Elderly in India in Managing their Health and Fitness Post-COVID-19	Pallavi Rao; Anirudha Joshi	2020	IndiaHCI '20: Proceedings of the 11th Indian Conference on Human-Computer Interaction	10.1145/3429290.3429294	Non-cardiology focus
August 2021	Using EHRs and Machine Learning for Heart Failure Survival Analysis	Panahiazar, M.; Taslimitehrani, V.; Pereira, N.; Pathak, J.	2015	Stud Health Technol Inform		No NLP focus/details
August 2021	Extraction of radiographic findings from unstructured thoracoabdominal computed tomography reports using convolutional neural network based natural language processing	Pandey, M.; Xu, Z.; Sholle, E.; Maliakal, G.; Singh, G.; Fatima, Z.; Larine, D.; Lee, B. C.; Wang, J.; van Rosendaal, A. R.; Baskaran, L.; Shaw, L. J.; Min, J. K.; Al'Aref, S. J.	2020	PLoS One	10.1371/journal.pone.0236827	Non-cardiology focus
August 2021	Detecting conversation topics in primary care office visits from transcripts of patient-provider interactions	Park, J.; Kotzias, D.; Kuo, P.; Logan IV, R. L.; Merced, K.; Singh, S.; Tanana, M.; Karra Taniskidou, E.; Lafata, J. E.; Atkins, D. C.; Tai-Seale, M.; Imel, Z. E.; Smyth, P.	2019	J Am Med Inform Assoc	10.1093/jamia/ocz140	Non-cardiology focus
August 2021	Development and Evaluation of a Case-Based Retrieval Service	Pasche, E.; Chinali, M.; Gobeill, J.; Ruch, P.	2017	Stud Health Technol Inform		Non-cardiology focus
August 2021	Assessing Information Congruence of Documented Cardiovascular Disease between Electronic Dental and Medical Records	Patel, J.; Mowery, D.; Krishnan, A.; Thyvalikakath, T.	2018	AMIA Annu Symp Proc		Non-cardiology focus

August 2021	Development and validation of a heart failure with preserved ejection fraction cohort using electronic medical records	Patel, Y. R.; Robbins, J. M.; Kurgansky, K. E.; Imran, T.; Orkaby, A. R.; McLean, R. R.; Ho, Y. L.; Cho, K.; Michael Gaziano, J.; Djousse, L.; Gagnon, D. R.; Joseph, J.	2018	BMC Cardiovasc Disord	10.1186/s12872-018-0866-5	Duplicate
August 2021	Extraction of Vital Signs from Clinical Notes	Patterson, O. V.; Jones, M.; Yao, Y.; Viernes, B.; Alba, P. R.; Iwashyna, T. J.; DuVall, S. L.	2015	Stud Health Technol Inform		Non-cardiology focus
August 2021	Neural Networks for Cause of Hospitalization and Final Cause of Death Extraction from Discharge Summaries	Peper, F. E.; Cardone, M. B.; Esteban, S.	2020	Stud Health Technol Inform	10.3233/shti200432	Abstract only
August 2021	Home Health Care: Nurse-Physician Communication, Patient Severity, and Hospital Readmission	Pesko, M. F.; Gerber, L. M.; Peng, T. R.; Press, M. J.	2018	Health Serv Res	10.1111/1475-6773.12667	Non-cardiology focus
August 2021	Common Barriers to the Use of Patient-Generated Data Across Clinical Settings	Peter West; Max Van Kleek; Richard Giordano; Mark J. Weal; Nigel Shadbolt	2018	Proceedings of the 2018 CHI Conference on Human Factors in Computing Systems	10.1145/3173574.3174058	No NLP focus/details
August 2021	Can Alexa, Cortana, Google Assistant and Siri save your life? A mixed-methods analysis of virtual digital assistants and their responses to first aid and basic life support queries	Picard, Christopher; Smith, Katherine Elizabeth; Picard, Kelly; Douma, Matthew John	2020	BMJ Innovations	http://dx.doi.org/10.1136/bmjinnov-2018-000326	Non-cardiology focus
August 2021	Can donor narratives yield insights? A natural language processing proof of concept to facilitate kidney allocation	Placona, A. M.; Martinez, C.; McGehee, H.; Carrico, B.; Klassen, D. K.; Stewart, D.	2020	Am J Transplant	10.1111/ajt.15705	Non-cardiology focus
August 2021	Impact of guidelines for the management of minor head injury on the utilization and diagnostic yield of CT over two decades, using natural language processing in a large dataset	Pons, E.; Foks, K. A.; Dippel, D. W. J.; Hunink, M. G. M.	2019	Eur Radiol	10.1007/s00330-018-5954-5	Non-cardiology focus

August 2021	Automatic Severity Classification of Coronary Artery Disease via Recurrent Capsule Network	Q. Wang; J. Qiu; Y. Zhou; T. Ruan; D. Gao; J. Gao	2018	2018 IEEE International Conference on Bioinformatics and Biomedicine (BIBM)	10.1109/BIBM.2018.8621136	Abstract only
August 2021	Deep Cardiovascular Disease Prediction with Risk Factors Powered Bi-attention	Qiu, Y.; Zhang, Z.; Qin, X.; Tao, S.	2020	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	10.1007/978-3-030-63830-6_60	Non-cardiology focus
August 2021	Artherosclerosis risk assessment using reynold risk calculator	R. George; T. George; R. B. Haritha	2016	2016 International Conference on Circuit, Power and Computing Technologies (ICCPCT)	10.1109/ICCPCT.2016.7530200	No NLP focus/details
August 2021	On the Feasibility of Flow-Guided Nanocommunication Networks for some Medical Applications	Rafael Asorey-Cacheda; Antonio-Javier Garcia-Sanchez; Joan Garcia-Haro	2020	Proceedings of the 1st ACM International Workshop on Nanoscale Computing, Communication, and Applications	10.1145/3416006.3431275	No NLP focus/details

August 2021	BVS-Vis: a web-based visualizer for BloodVoyagerS	Regine Wendt; Chris Deter; Stefan Fischer	2020	Proceedings of the 7th ACM International Conference on Nanoscale Computing and Communication	10.1145/3411295.3411300	Abstract only
August 2021	Corpus Construction of Precision Medicine	Ren, X.; An, X.; Fan, S.	2020	ACM International Conference Proceeding Series	10.1145/3386052.3386069	Non-cardiology focus
August 2021	Adverse Drug Reaction Detection in Social Media by Deepm Learning Methods	Rezaei, Z.; Ebrahimpour-Komleh, H.; Eslami, B.; Chavoshinejad, R.; Totonchi, M.	2020	Cell J	10.22074/cellj.2020.6615	Non-cardiology focus
August 2021	FILLET-Platform for Intelligent Nutrition	Ribeiro, D.; Costa, J.; Lopes, I.; Barbosa, T.; Soares, C.; Sousa, F.; Ribeiro, J.; Rocha, D.; Silva, M.	2020	Proceedings of IEEE/ACS International Conference on Computer Systems and Applications, AICCSA	10.1109/AICCSA50499.2020.9316490	Non-cardiology focus
August 2021	Hospitalizations for heart failure among patients with reduced renal function treated withmetformin or sulfonylureas: A retrospective cohort study	Richardson, Tadarro L.; Hackstadt, Amber; Hung, Adriana M.; Greevy, Robert; Grijalva, Carlos; Griffin, Marie; Roumie, Christianne L.	2020	Circulation: Cardiovascular Quality and Outcomes		No NLP focus/details
August 2021	Deep Learning Approaches Outperform Conventional Strategies in De-Identification of German Medical Reports	Richter-Pechanski, P.; Amr, A.; Katus, H. A.; Dieterich, C.	2019	Stud Health Technol Inform	10.3233/shti190813	Non-cardiology focus
August 2021	De-Identification of German Medical Admission Notes	Richter-Pechanski, P.; Riezler, S.; Dieterich, C.	2018	Stud Health Technol Inform		Non-cardiology focus

August 2021	1st-degree Atrioventricular (AV-block) and Bundle Branch Block Prediction using Machine Learning	Risul Islam Rasel; Nasrin Sultana; Phayung Meesad; Anupam Chowdhury; Meherab Hossain	2020	Proceedings of the 11th International Conference on Advances in Information Technology	10.1145/3406601.3406647	No NLP focus/details
August 2021	Secure key-exchange protocol for implants using heartbeats	Robert M. Seepers; Jos H. Weber; Zekeriya Erkin; Ioannis Sourdis; Christos Strydis	2016	Proceedings of the ACM International Conference on Computing Frontiers	10.1145/2903150.2903165	No NLP focus/details
August 2021	The role of fine-grained annotations in supervised recognition of risk factors for heart disease from EHRs	Roberts, K.; Shooshan, S. E.; Rodriguez, L.; Abhyankar, S.; Kilicoglu, H.; Demner-Fushman, D.	2015	J Biomed Inform	10.1016/j.jbi.2015.06.010	Non-cardiology focus
August 2021	Machine Learning of the Electrocardiogram to Detect Regional Structural Abnormalities of the Heart	Rogers, Albert J.; Tooley, James; Thakkar, Vyom; Torres, Jessica; Xu, Justin; Bhatia, Neal K.; Tung, Jagteshwar; Alhusseini, Mahmood; Baykaner, Tina; Clifford, Gari; Zaharia, Matei; Ashley, Euan A.; Perez, Marco V.; Narayan, Sanjiv M.	2020	Circulation	http://dx.doi.org/10.1161/circ.142.suppl_3.311	No NLP focus/details
August 2021	Informatics and computational methods in natural product drug discovery: A review and perspectives	Romano, J. D.; Tatonetti, N. P.	2019	Frontiers in Genetics	10.3389/fgene.2019.00368	Non-cardiology focus

August 2021	Vallum-Med: Protecting Medical Data in Cloud Environments	Ronny Peterson; Altigran da Silva; Andrv© Carvalho; Christof Fetzter; Andrv© Martin; Ignacio Blanquer	2020	Proceedings of the 29th ACM International Conference on Information & Knowledge Management	10.1145/3340531.3417421	Non-cardiology focus
August 2021	Physical Literacy - A Journey of Individual Enrichment: An Ecological Dynamics Rationale for Enhancing Performance and Physical Activity in All	Rudd, J. R.; Pesce, C.; Strafford, B. W.; Davids, K.	2020	Front Psychol	10.3389/fpsyg.2020.01904	Non-cardiology focus
August 2021	Association of Online Consumer Reviews of Skilled Nursing Facilities With Patient Rehospitalization Rates	Ryskina, K. L.; Andy, A. U.; Manges, K. A.; Foley, K. A.; Werner, R. M.; Merchant, R. M.	2020	JAMA Netw Open	10.1001/jamanetworkopen.2020.4682	Non-cardiology focus
August 2021	A Review of Automated Methods for Detection of Myocardial Ischemia and Infarction Using Electrocardiogram and Electronic Health Records	S. Ansari; N. Farzaneh; M. Duda; K. Horan; H. B. Andersson; Z. D. Goldberger; B. K. Nallamothu; K. Najarian	2017	IEEE Reviews in Biomedical Engineering	10.1109/RBME.2017.2757953	Review/perspective article
August 2021	Stabilizing High-Dimensional Prediction Models Using Feature Graphs	S. Gopakumar; T. Tran; T. D. Nguyen; D. Phung; S. Venkatesh	2015	IEEE Journal of Biomedical and Health Informatics	10.1109/JBHI.2014.2353031	No NLP focus/details
August 2021	Non-redundant association rules between diseases and medications: an automated method for knowledge base construction	Sv©verac, F.; Sauleau, E. A.; Meyer, N.; Lefv®vre, H.; Nisand, G.; Jay, N.	2015	BMC Med Inform Decis Mak	10.1186/s12911-015-0151-9	No NLP focus/details
August 2021	Prediction of venous thromboembolism using semantic and sentiment analyses of clinical narratives	Sabra, S.; Mahmood Malik, K.; Alobaidi, M.	2018	Comput Biol Med	10.1016/j.compbiomed.2017.12.026	Non-cardiology focus
August 2021	Rapid identification of familial hypercholesterolemia from electronic health records: The SEARCH study	Safarova, M. S.; Liu, H.; Kullo, I. J.	2016	J Clin Lipidol	10.1016/j.jacl.2016.08.001	Non-cardiology focus

August 2021	Sketch-based Registration of 3D Cine MRI to 4D flow MRI	Samin Sabokrohiyeh; Kathleen Ang; Mohammed Elbaz; Faramarz Samavati	2019	Proceedings of the 2019 11th International Conference on Bioinformatics and Biomedical Technology	10.1145/3340074.3340094	Non-cardiology focus
August 2021	UNRAVEL: big data analytics research data platform to improve care of patients with cardiomyopathies using routine electronic health records and standardised biobanking	Sammani, A.; Linschoten, M.; de Jonge, N.; Kirkels, H.; van Laake, L. W.; te Riele, A. S. J. M.; Jansen, M.; van Tintel, J. P.; Dooijes, D.; Baas, A. F.; Bagheri, A.; Vink, A.; Harakalova, M.; Asselbergs, F. W.	2019	Netherlands Heart Journal	http://dx.doi.org/10.1007/s12471-019-1288-4	No NLP focus/details
August 2021	Impedance Cardiography Used For Diagnosis of Disease	Samrudhi Patil; P. Choudhari	2015	Proceedings of the Third International Symposium on Women in Computing and Informatics	10.1145/2791405.2791477	No NLP focus/details
August 2021	A mobile app based smoking cessation assistance using automated detection of smoking activity	Saurabh Singh Thakur; Ram Babu Roy	2018	Proceedings of the ACM India Joint International Conference on Data Science and Management of Data	10.1145/3152494.3167989	Non-cardiology focus
August 2021	Driver Emotion Recognition for Intelligent Vehicles: A Survey	Sebastian Zepf; Javier Hernandez; Alexander Schmitt; Wolfgang Minker; Rosalind W. Picard	2020	ACM Comput. Surv.	10.1145/3388790	Non-cardiology focus

August 2021	Natural language processing for disease phenotyping in UK primary care records for research: a pilot study in myocardial infarction and death	Shah, A. D.; Bailey, E.; Williams, T.; Denaxas, S.; Dobson, R.; Hemingway, H.	2019	J Biomed Semantics	10.1186/s13326-019-0214-4	Duplicate
August 2021	Development of a Portable Tool to Identify Patients With Atrial Fibrillation Using Clinical Notes From the Electronic Medical Record	Shah, R. U.; Mutharasan, R. K.; Ahmad, F. S.; Rosenblatt, A. G.; Gay, H. C.; Steinberg, B. A.; Yandell, M.; Tristani-Firouzi, M.; Klewer, J.; Mukherjee, R.; Lloyd-Jones, D. M.	2020	Circ Cardiovasc Qual Outcomes	10.1161/circoutcomes.120.006516	Included
August 2021	Sex-based Differences in Reported Payments to Cardiologists by Drug and Device Manufacturers	Shapero, Kayle; Jelani, Qurat-Ul-Ain; Kahn, Peter	2020	Circulation	http://dx.doi.org/10.1161/circ.142.suppl_3.14058	No NLP focus/details
August 2021	Natural Language Processing of Clinical Notes on Chronic Diseases: Systematic Review	Sheikhalishahi, S.; Miotto, R.; Dudley, J. T.; Lavelli, A.; Rinaldi, F.; Osmani, V.	2019	JMIR Med Inform	10.2196/12239	Review/perspective article
August 2021	CardioLearn: A Cloud Deep Learning Service for Cardiac Disease Detection from Electrocardiogram	Shenda Hong; Zhaoji Fu; Rongbo Zhou; Jie Yu; Yongkui Li; Kai Wang; Guanlin Cheng	2020	Companion Proceedings of the Web Conference 2020	10.1145/3366424.3383529	No NLP focus/details
August 2021	DocKG: A knowledge graph framework for health with doctor-in-the-loop	Sheng, M.; Wang, J.; Zhang, Y.; Li, X.; Li, C.; Xing, C.; Li, Q.; Shao, Y.; Zhang, H.	2019	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)	10.1007/978-3-030-32962-4_1	Non-cardiology focus

August 2021	Identification and evaluation of patients with LDL-C >= 190 mg/dl at a tertiary academic center	Sheth, Samip; Rader, Daniel; Jacoby, Douglas	2019	Clinical Cardiology	http://dx.doi.org/10.1002/clc.23281	No NLP focus/details
August 2021	Identifying a set of potential patients for familial hypercholesterolemia evaluation through a simple query and text-mining function	Sheth, Samip; Rader, Daniel; Jacoby, Douglas	2019	Clinical Cardiology	http://dx.doi.org/10.1002/clc.23281	Non-cardiology focus
August 2021	Implementation of flag, identify, network, deliver: Find fh using the electronic medical record to identify familial hypercholesterolemia within a single healthcare system	Sheth, Samip; Williamson, Latoya; Chen, Jinbo; Staszak, David; Webb, Gayley; Risman, Marjorie; Borovskiy, Yuliya; Hossain, Erik; Hajj, Jihane; Diu, Kady; Larsen, Julia A.; Boring, Jennifer; Mays, Cynthia; Howard, William; Zuzick, Dave; Bajaj, Archana; Soffer, Daniel E.; Cuchel, Marina; Gidding, Samuel; Wilemon, Katherine A.; Rader, Daniel J.; Myers, Kelly; Jacoby, Douglas	2019	Circulation	http://dx.doi.org/10.1161/circ.140.suppl_1.16536	Non-cardiology focus
August 2021	Coronary Artery Disease Classification from Photoplethysmographic Signals	Shibabroto Banerjee; Pourush Sood; Sujoy Ghose; Partha Pratim Das	2020	Proceedings of the 4th International Conference on Medical and Health Informatics	10.1145/3418094.3418116	No NLP focus/details
August 2021	Automatic data source identification for clinical trial eligibility criteria resolution	Shivade, C.; Hebert, C.; Regan, K.; Fosler-Lussier, E.; Lai, A. M.	2016	AMIA Annu Symp Proc		Non-cardiology focus
August 2021	Comparison of UMLS terminologies to identify risk of heart disease using clinical notes	Shivade, C.; Malewadkar, P.; Fosler-Lussier, E.; Lai, A. M.	2015	J Biomed Inform	10.1016/j.jbi.2015.08.025	Non-cardiology focus

August 2021	A first step towards on-device monitoring of body sounds in the wild	Shyam A. Tailor; Jagmohan Chauhan; Cecilia Mascolo	2020	Adjunct Proceedings of the 2020 ACM International Joint Conference on Pervasive and Ubiquitous Computing and Proceedings of the 2020 ACM International Symposium on Wearable Computers	10.1145/3410530.3414440	No NLP focus/details
August 2021	A Baseline Patient Model to Support Testing of Medical Cyber-Physical Systems	Silva, L. C.; Perkusich, M.; Almeida, H. O.; Perkusich, A.; Lima, M. A.; Gorgvñnio, K. C.	2015	Stud Health Technol Inform		Non-cardiology focus
August 2021	VitaMon: measuring heart rate variability using smartphone front camera	Sinh Huynh; Rajesh Krishna Balan; JeongGil Ko; Youngki Lee	2019	Proceedings of the 17th Conference on Embedded Networked Sensor Systems	10.1145/3356250.3360036	No NLP focus/details
August 2021	How Will Machine Learning Inform the Clinical Care of Atrial Fibrillation?	Siontis, Konstantinos C.; Noseworthy, Peter A.; Yao, Xiaoxi; Philippakis, Anthony A.; Pirruccello, James P.	2020	Circulation Research	http://dx.doi.org/10.1161/CIRCRESAHA.120.316401	Review/perspective article
August 2021	Improving guideline-directed medical therapy utilization for heart failure with reduced ejection fraction within a veteran's affairs health system	Slade, Justin J.; Lee, Michelle; Park, Jun; Liu, Alexander; Heidenreich, Paul A.; Allaudeen, Nazima	2020	Circulation: Cardiovascular Quality and Outcomes		Abstract only

August 2021	Text mining applied to electronic cardiovascular procedure reports to identify patients with trileaflet aortic stenosis and coronary artery disease	Small, Aeron M.; Kiss, Daniel H.; Guerraty, Marie A.; Han, Yuchi; Anwaruddin, Saif; Chirinos, Julio A.; Wilensky, Robert L.; Giri, Jay; Zlatsin, Yevgeny; Holmes, John H.; Birtwell, David L.; Williams, Heather; Rader, Daniel J.	2017	Journal of Biomedical Informatics	http://dx.doi.org/10.1016/j.jbi.2017.06.016	No NLP focus/details
August 2021	FIB-4 stage of liver fibrosis is associated with incident heart failure with preserved, but not reduced, ejection fraction among people with and without HIV or hepatitis C	So-Armah, K. A.; Lim, J. K.; Lo Re, V.; Tate, J. P.; Chang, C. C. H.; Butt, A. A.; Gibert, C. L.; Rimland, D.; Marconi, V. C.; Goetz, M. B.; Ramachandran, V.; Brittain, E.; Long, M.; Nguyen, K. L.; Rodriguez-Barradas, M. C.; Budoff, M. J.; Tindle, H. A.; Samet, J. H.; Justice, A. C.; Freiberg, M. S.	2020	Progress in Cardiovascular Diseases	10.1016/j.pcad.2020.02.010	Non-cardiology focus
August 2021	Using Social Media to Predict Air Pollution during California Wildfires	Sonya Sachdeva; Sarah McCaffrey	2018	Proceedings of the 9th International Conference on Social Media and Society	10.1145/3217804.3217946	Non-cardiology focus
August 2021	Identifying Patient Phenotype Cohorts Using Prehospital Electronic Health Record Data	Sterman, R.; Bunning, T.; Grover, J.; Kitzmiller, R.; Patel, M. D.	2020	Prehospital Emergency Care	10.1080/10903127.2020.1859658	Non-cardiology focus

August 2021	Creating Fair Models of Atherosclerotic Cardiovascular Disease Risk	Stephen Pfohl; Ben Marafino; Adrien Coulet; Fatima Rodriguez; Latha Palaniappan; Nigam H. Shah	2019	Proceedings of the 2019 AAAI/ACM Conference on AI, Ethics, and Society	10.1145/3306618.3314278	Non-cardiology focus
August 2021	Novel Method to Flag Cardiac Implantable Device Infections by Integrating Text Mining with Structured Data in the Veterans Health Administration's Electronic Medical Record	Stolzmann, Kelly L.; Shin, Marlina H.; Kalver, Emily; Mull, Hillary J.; Schweizer, Marin L.; Branch-Elliman, Westyn	2020	JAMA Network Open	http://dx.doi.org/10.1001/jama.networkopen.2020.12264	No NLP focus/details
August 2021	Identifying risk factors for heart disease over time: Overview of 2014 i2b2/UTHealth shared task Track 2	Stubbs, A.; Kotfila, C.; Xu, H.; Uzuner, vñ	2015	J Biomed Inform	10.1016/j.jbi.2015.07.001	Non-cardiology focus
August 2021	Annotating risk factors for heart disease in clinical narratives for diabetic patients	Stubbs, A.; Uzuner, vñ	2015	J Biomed Inform	10.1016/j.jbi.2015.05.009	Non-cardiology focus
August 2021	Developing a cardiovascular disease risk factor annotated corpus of Chinese electronic medical records	Su, J.; He, B.; Guan, Y.; Jiang, J.; Yang, J.	2017	BMC Med Inform Decis Mak	10.1186/s12911-017-0512-7	Non-cardiology focus
August 2021	Extraction of risk factors for cardiovascular diseases from Chinese electronic medical records	Su, Jia; Hu, Jinpeng; Jiang, Jingchi; Xie, Jing; Yang, Yang; He, Bin; Guan, Yi; Yang, Jinfeng	2019	Computer Methods and Programs in Biomedicine	http://dx.doi.org/10.1016/j.cmpb.2019.01.007	Non-cardiology focus
August 2021	Detection of Paroxysmal Atrial Fibrillation using Attention-based Bidirectional Recurrent Neural Networks	Supreeth P. Shashikumar; Amit J. Shah; Gari D. Clifford; Shamim Nemati	2018	Proceedings of the 24th ACM SIGKDD International Conference on Knowledge Discovery & Data Mining	10.1145/3219819.3219912	No NLP focus/details

August 2021	Issues of Development of Smart Transport Assessment Indicators	Svetlana Gutman; Polina Vorontsova	2020	Proceedings of the International Scientific Conference - Digital Transformation on Manufacturing, Infrastructure and Service	10.1145/3446434.3446438	No NLP focus/details
August 2021	Identification of Sudden Cardiac Arrest (SCA) using Modified Wavelet Transform	Syed Hassaan Ahmed; Nauman Razzaq; Tahir Zaidi	2017	Proceedings of the 2nd International Conference on Biomedical Signal and Image Processing	10.1145/3133793.3133799	No NLP focus/details
August 2021	S1 and S2 Heart Sound Recognition Using Deep Neural Networks	T. E. Chen; S. I. Yang; L. T. Ho; K. H. Tsai; Y. H. Chen; Y. F. Chang; Y. H. Lai; S. S. Wang; Y. Tsao; C. C. Wu	2017	IEEE Transactions on Biomedical Engineering	10.1109/TBME.2016.2559800	No NLP focus/details
August 2021	Numerical Data Extraction from ECG Paper Recording Using Image Processing Technique	T. Tabassum; M. Ahmad	2020	2020 11th International Conference on Electrical and Computer Engineering (ICECE)	10.1109/ICECE51571.2020.9393068	No NLP focus/details
August 2021	The state of radiology AI: Considerations for purchase decisions and current market offerings	Tadavarthi, Yasasvi; Vey, Brianna; Krupinski, Elizabeth; Prater, Adam; Gichoya, Judy; Safdar, Nabile; Trivedi, Hari	2020	Radiology: Artificial Intelligence	http://dx.doi.org/10.1148/ryai.2020200004	Review/perspective article

August 2021	Prediction of heart disease using name entity recognition based on back propagation and whale optimization algorithms	Thambusamy, V.; Umasankar, L.	2019	International Journal of Innovative Technology and Exploring Engineering	10.35940/ijitee.J1081.08810S19	Non-cardiology focus
August 2021	Trends in Left Ventricular Ejection Fraction for Patients With a New Diagnosis of Heart Failure	Tisdale, R. L.; Haddad, F.; Kohsaka, S.; Heidenreich, P. A.	2020	Circ Heart Fail	10.1161/circheartfailure.119.006743	No NLP focus/details
August 2021	Natural Language Processing for Mimicking Clinical Trial Recruitment in Critical Care: A Semi-Automated Simulation Based on the LeoPARDS Trial	Tissot, H. C.; Shah, A. D.; Brealey, D.; Harris, S.; Agbakoba, R.; Folarin, A.; Romao, L.; Roguski, L.; Dobson, R.; Asselbergs, F. W.	2020	IEEE J Biomed Health Inform	10.1109/jbhi.2020.2977925	Non-cardiology focus
August 2021		2016 Tomas, C.C.	200			
August 2021	Proceedings of the 3rd IPLEiria's International Health Congress : Leiria, Portugal. 6-7 May 2017	Tomas, C.C.	2016	BMC Health Serv Res	10.1186/s12913-016-1423-5	Abstract only
August 2021	Mining Clinicians' Electronic Documentation to Identify Heart Failure Patients with Ineffective Self-Management: A Pilot Text-Mining Study	Topaz, M.; Radhakrishnan, K.; Lei, V.; Zhou, L.	2016	Stud Health Technol Inform		Duplicate
August 2021	Risk factor detection for heart disease by applying text analytics in electronic medical records	Torii, M.; Fan, J. W.; Yang, W. L.; Lee, T.; Wiley, M. T.; Zisook, D. S.; Huang, Y.	2015	J Biomed Inform	10.1016/j.jbi.2015.08.011	Non-cardiology focus
August 2021	Deep Natural Language Processing Identifies Variation in Care Preference Documentation	Udelsman, B. V.; Moseley, E. T.; Sudore, R. L.; Keating, N. L.; Lindvall, C.	2020	J Pain Symptom Manage	10.1016/j.jpainsymman.2019.12.374	Non-cardiology focus

August 2021	Contactless seismocardiography via deep learning radars	Unsoo Ha; Salah Assana; Fadel Adib	2020	Proceedings of the 26th Annual International Conference on Mobile Computing and Networking	10.1145/3372224.3419982	No NLP focus/details
August 2021	Mining heart disease risk factors in clinical text with named entity recognition and distributional semantic models	Urbain, J.	2015	J Biomed Inform	10.1016/j.jbi.2015.08.009	Non-cardiology focus
August 2021	Heart Rhythm Abnormality Detection from PCG Signal	V. Garg; A. Mathur; N. Mangla; A. S. Rawat	2019	2019 Twelfth International Conference on Contemporary Computing (IC3)	10.1109/IC3.2019.8844950	No NLP focus/details
August 2021	Botswana's Lab-In-A-Briefcase: A Position Paper	V. Lakshmi Narasimhan	2019	Proceedings of the Australasian Computer Science Week Multiconference	10.1145/3290688.3290716	Review/perspective article
August 2021	Continuous Health Interface Event Retrieval	Vaibhav Pandey; Nitish Nag; Ramesh Jain	2020	Proceedings of the 2020 International Conference on Multimedia Retrieval	10.1145/3372278.3390705	Non-cardiology focus
August 2021	Comparing Artificial Intelligence Approaches to Retrieve Clinical Reports Documenting Implantable Devices Posing MRI Safety Risks	Valtchinov, V. I.; Lacson, R.; Wang, A.; Khorasani, R.	2020	Journal of the American College of Radiology	10.1016/j.jacr.2019.07.018	Non-cardiology focus

August 2021	Genetic Predisposition to Coronary Artery Disease in Type 2 Diabetes Mellitus	Ladenvall, C.; Voight, B. F.; Strawbridge, R. J.; Fernandez-Tajes, J.; Rayner, N. W.; Robertson, N. R.; Mahajan, A.; Vlachopoulou, E.; Goel, A.; Kleber, M. E.; Nelson, C. P.; Kwee, L. C.; Esko, T.; Mihailov, E.; MVŠgi, R.; Milani, L.; Fischer, K.; Kanoni, S.; Kumar, J.; Song, C.; Hartiala, J. A.; Pedersen, N. L.; Perola, M.; Gieger, C.; Peters, A.; Qu, L.; Willems, S. M.; Doney, A. S. F.; Morris, A. D.; Zheng, Y.; Sesti, G.; Hu, F. B.; Qi, L.; Laakso, M.; Thorsteinsdottir, U.; Grallert, H.; van Duijn, C.; Reilly, M. P.; Ingelsson, E.; Deloukas, P.; Kathiresan, S.; Metspalu, A.; Shah, S. H.; Sinisalo, J.; Salomaa, V.; Hamsten, A.; Samani, N. J.; MVŠrz, W.; Hazen, S. L.; Watkins, H.; Saleheen, D.; Morris, A. P.; Colhoun, H. M.; Groop, L.; McCarthy, M. I.;	2020	Circ Genom Precis Med	10.1161/circgen.119.002769	Non-cardiology focus
August 2021	PCV66 GUIDELINE-DIRECTED MEDICAL THERAPY AMONG HEART FAILURE PATIENTS FACILITATED BY NATURAL LANGUAGE PROCESSING OF AMBULATORY ELECTRONIC HEALTH RECORDS	Vasey, J.; Martinez, E.; Nguyen, N.; Oguntuga, A.; Sudaria, T.; Farah, J.; Wilk, A.; Sadiq, G.; Kallenbach, L.	2020	Value in Health	http://dx.doi.org/10.1016/j.jval.2020.04.169	Abstract only

August 2021	Supervised methods to extract clinical events from cardiology reports in Italian	Viani, N.; Miller, T. A.; Napolitano, C.; Priori, S. G.; Savova, G. K.; Bellazzi, R.; Sacchi, L.	2019	J Biomed Inform	10.1016/j.jbi.2019.103219	Included
August 2021	Development and Validation of a Natural Language Processing Tool to Generate the CONSORT Reporting Checklist for Randomized Clinical Trials	Wang, F.; Schilsky, R. L.; Page, D.; Califf, R. M.; Cheung, K.; Wang, X.; Pang, H.	2020	JAMA Netw Open	10.1001/jamanetworkopen.2020.14661	Non-cardiology focus
August 2021	NLP based congestive heart failure case finding: A prospective analysis on statewide electronic medical records	Wang, Y.; Luo, J.; Hao, S.; Xu, H.; Shin, A. Y.; Jin, B.; Liu, R.; Deng, X.; Wang, L.; Zheng, L.; Zhao, Y.; Zhu, C.; Hu, Z.; Fu, C.; Hao, Y.; Zhao, Y.; Jiang, Y.; Dai, D.; Culver, D. S.; Alfreds, S. T.; Todd, R.; Stearns, F.; Sylvester, K. G.; Widen, E.; Ling, X. B.	2015	Int J Med Inform	10.1016/j.ijmedinf.2015.06.007	Duplicate
August 2021	Drugs for preventing postoperative nausea and vomiting in adults after general anaesthesia: a network meta-analysis	Weibel, S.; Rvöcker, G.; Eberhart, L. H.; Pace, N. L.; Hartl, H. M.; Jordan, O. L.; Mayer, D.; Riemer, M.; Schaefer, M. S.; Raj, D.; Backhaus, I.; Helf, A.; Schlesinger, T.; Kienbaum, P.; Kranke, P.	2020	Cochrane Database Syst Rev	10.1002/14651858.CD012859.pub2	Non-cardiology focus
August 2021	Towards automated generation of curated datasets in radiology: Application of natural language processing to unstructured reports exemplified on CT for pulmonary embolism	Weikert, T.; Nestic, I.; Cyriac, J.; Bremerich, J.; Sauter, A. W.; Sommer, G.; Stieltjes, B.	2020	Eur J Radiol	10.1016/j.ejrad.2020.108862	Non-cardiology focus
August 2021	Use of Natural Language Processing to Improve Identification of Patients With Peripheral Artery Disease	Weissler, E. H.; Zhang, J.; Lippmann, S.; Rusincovitch, S.; Henao, R.; Jones, W. S.	2020	Circ Cardiovasc Interv	10.1161/circinterventions.120.009447	Non-cardiology focus
August 2021	Adapting and evaluating a deep learning language model for clinical why-question answering	Wen, A.; Elwazir, M. Y.; Moon, S.; Fan, J.	2020	JAMIA Open	10.1093/jamiaopen/ooz072	Non-cardiology focus

August 2021	Multivariate Sequential Analytics for Treatment Trajectory Forecasting	William Hsu; Jim Warren; Patricia Riddle	2019	Proceedings of the Australasian Computer Science Week Multiconference	10.1145/3290688.3290724	Non-cardiology focus
August 2021	An attention-based multi-task model for named entity recognition and intent analysis of Chinese online medical questions	Wu, C.; Luo, G.; Guo, C.; Ren, Y.; Zheng, A.; Yang, C.	2020	J Biomed Inform	10.1016/j.jbi.2020.103511	Non-cardiology focus
August 2021	SemEHR: A general-purpose semantic search system to surface semantic data from clinical notes for tailored care, trial recruitment, and clinical research	Wu, H.; Toti, G.; Morley, K. I.; Ibrahim, Z. M.; Folarin, A.; Jackson, R.; Kartoglu, I.; Agrawal, A.; Stringer, C.; Gale, D.; Gorrell, G.; Roberts, A.; Broadbent, M.; Stewart, R.; Dobson, R. J. B.	2018	J Am Med Inform Assoc	10.1093/jamia/ocx160	Non-cardiology focus
August 2021	Identification of patients with carotid stenosis using natural language processing	Wu, Xiao; Zhao, Yuzhe; Radev, Dragomir; Malhotra, Ajay	2020	European Radiology	http://dx.doi.org/10.1007/s00330-020-06721-z	Non-cardiology focus
August 2021	Designing an openEHR-Based Pipeline for Extracting and Standardizing Unstructured Clinical Data Using Natural Language Processing	Wulff, A.; Mast, M.; Hassler, M.; Montag, S.; Marschollek, M.; Jack, T.	2020	Methods Inf Med	10.1055/s-0040-1716403	Non-cardiology focus
August 2021	A Delay-Based Neuromorphic Processor for Arrhythmias Detection	X. Liang; H. Fan; J. Mercer; H. Heidari	2020	2020 IEEE International Symposium on Circuits and Systems (ISCAS)	10.1109/ISCAS45731.2020.9181032	No NLP focus/details
August 2021	A Neural-Network Model for Deriving Analogous Three-vector ECGs of S-ICD from Standard Nine-lead ECGs	Xiaobiao Fan; Yuxiang Bu; Dakun Lai	2020	2020 2nd International Conference on Image Processing and Machine Vision	10.1145/3421558.3421576	No NLP focus/details

August 2021	Non-contact home health monitoring based on low-cost high-performance accelerometers	Xiaoce Feng; Yong Xu; Ming Dong; Philip Levy	2017	Proceedings of the Second IEEE/ACM International Conference on Connected Health: Applications, Systems and Engineering Technologies	10.1109/chase.2017.119	Non-cardiology focus
August 2021	Learning an expandable EMR-based medical knowledge network to enhance clinical diagnosis	Xie, J.; Jiang, J.; Wang, Y.; Guan, Y.; Guo, X.	2020	Artificial Intelligence in Medicine	10.1016/j.artmed.2020.101927	Non-cardiology focus
August 2021	Enhancing ICD-Code-Based Case Definition for Heart Failure Using Electronic Medical Record Data	Xu, Y.; Lee, S.; Martin, E.; D'Souza A, G.; Doktorchik, C. T. A.; Jiang, J.; Lee, S.; Eastwood, C. A.; Fine, N.; Hemmelgarn, B.; Todd, K.; Quan, H.	2020	J Card Fail	10.1016/j.cardfail.2020.04.003	No NLP focus/details
August 2021	Novel blood pressure estimation method using single photoplethysmography feature	Y. Chen; S. Cheng; T. Wang; T. Ma	2017	2017 39th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)	10.1109/EMBC.2017.8037172	No NLP focus/details
August 2021	Preprocessing Method for Performance Enhancement in CNN-Based STEMI Detection From 12-Lead ECG	Y. Park; I. D. Yun; S. H. Kang	2019	IEEE Access	10.1109/ACCESS.2019.2930770	No NLP focus/details
August 2021	The Neural Network of One-Dimensional Convolution-An Example of the Diagnosis of Diabetic Retinopathy	Y. Sun	2019	IEEE Access	10.1109/ACCESS.2019.2916922	Non-cardiology focus

August 2021	Early detection of heart failure with varying prediction windows by structured and unstructured data in electronic health records	Y. Wang; K. Ng; R. J. Byrd; J. Hu; S. Ebadollahi; Z. Daar; C. deFilippi; S. R. Steinhubl; W. F. Stewart	2015	2015 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC)	10.1109/EMBC.2015.7318907	Non-cardiology focus
August 2021	A hybrid model for automatic identification of risk factors for heart disease	Yang, H.; Garibaldi, J. M.	2015	J Biomed Inform	10.1016/j.jbi.2015.09.006	Non-cardiology focus
August 2021	Prediction of Double-High Biochemical Indicators Based on LightGBM and XGBoost	Yingying Song; Xueli Jiao; Yuheng Qiao; Xinrui Liu; Yiding Qiang; Zhiyong Liu; Lin Zhang	2019	Proceedings of the 2019 International Conference on Artificial Intelligence and Computer Science	10.1145/3349341.3349400	No NLP focus/details
August 2021	Muscle Artifacts Cancellation Framework for ECG Signals Combining Convolution Auto-encoder and Average Beat Subtraction	Yongfeng Huang; Zijian Ding; Guijin Wang; Jianpin Lin; Ping Zhang	2019	Proceedings of the 2019 4th International Conference on Biomedical Signal and Image Processing (ICBIP 2019)	10.1145/3354031.3354041	No NLP focus/details
August 2021	Tentative diagnosis prediction via deep understanding of patient narratives	Yu, Y.; Li, M.; Liu, L.; Wu, F. X.; Wang, J.	2019	Proceedings - 2019 IEEE International Conference on Bioinformatics and Biomedicine, BIBM 2019	10.1109/BIBM47256.2019.8983129	Non-cardiology focus

August 2021	Muscleblazer: a wearable laser tag module powered by PGM-induced force-feedback	Yusuke Kishishita; Antonio Vega Ramirez; Swagata Das; Chetan Thakur; Yohei Yanase; Yuichi Kurita	2018	Proceedings of the First Superhuman Sports Design Challenge: First International Symposium on Amplifying Capabilities and Competing in Mixed Realities	10.1145/3210299.3210302	No NLP focus/details
August 2021	A Regularized Deep Learning Approach for Clinical Risk Prediction of Acute Coronary Syndrome Using Electronic Health Records	Z. Huang; W. Dong; H. Duan; J. Liu	2018	IEEE Transactions on Biomedical Engineering	10.1109/TBME.2017.2731158	Non-cardiology focus
August 2021	Automated brain extraction and associated 3D inspection layers for the Rhesus macaque MRI datasets	Zeqing Fu; Yiyi Deng; Xin Jia; Bin Gao; Xiaoming Zhu; Yanlin Luo	2016	Proceedings of the 15th ACM SIGGRAPH Conference on Virtual-Reality Continuum and Its Applications in Industry - Volume 1	10.1145/3013971.3013984	No NLP focus/details
August 2021	A study of EMR-based medical knowledge network and its applications	Zhao, C.; Jiang, J.; Xu, Z.; Guan, Y.	2017	Computer Methods and Programs in Biomedicine	10.1016/j.cmpb.2017.02.016	Non-cardiology focus
August 2021	Automated abstraction of myocardial perfusion imaging reports using natural language processing	Zheng, C.; Sun, B. C.; Wu, Y. L.; Ferencik, M.; Lee, M. S.; Redberg, R. F.; Kawatkar, A. A.; Musigdilok, V. V.; Sharp, A. L.	2020	J Nucl Cardiol	10.1007/s12350-020-02401-z	Non-cardiology focus

August 2021	Automated identification and extraction of exercise treadmill test results	Zheng, C.; Sun, B. C.; Wu, Y. L.; Lee, M. S.; Shen, E.; Redberg, R. F.; Ferencik, M.; Natsui, S.; Kawatkar, A. A.; Musigdilok, V. V.; Sharp, A. L.	2020	Journal of the American Heart Association	10.1161/JAHA.119.014940	Duplicate
August 2021	Web-based Real-Time Case Finding for the Population Health Management of Patients With Diabetes Mellitus: A Prospective Validation of the Natural Language Processing-Based Algorithm With Statewide Electronic Medical Records	Zheng, L.; Wang, Y.; Hao, S.; Shin, A. Y.; Jin, B.; Ngo, A. D.; Jackson-Browne, M. S.; Feller, D. J.; Fu, T.; Zhang, K.; Zhou, X.; Zhu, C.; Dai, D.; Yu, Y.; Zheng, G.; Li, Y. M.; McElhinney, D. B.; Culver, D. S.; Alfreds, S. T.; Stearns, F.; Sylvester, K. G.; Widen, E.; Ling, X. B.	2016	JMIR Med Inform	10.2196/medinform.6328	Non-cardiology focus
August 2021	Effective Information Extraction Framework for Heterogeneous Clinical Reports Using Online Machine Learning and Controlled Vocabularies	Zheng, S.; Lu, J. J.; Ghasemzadeh, N.; Hayek, S. S.; Quyyumi, A. A.; Wang, F.	2017	JMIR Med Inform	10.2196/medinform.7235	Non-cardiology focus
August 2021	Personalized deep learning for ventricular arrhythmias detection on medical IoT systems	Zhenge Jia; Zhepeng Wang; Feng Hong; Lichuan Ping; Yiyu Shi; Jingtong Hu	2020	Proceedings of the 39th International Conference on Computer-Aided Design	10.1145/3400302.3415774	No NLP focus/details
August 2021	PAvessel: Practical 3D Vessel Structure Sensing through Photoacoustic Effects with Its Applications in Palm Biometrics	Zhengxiong Li; Yuehang Wang; Aditya Singh Rathore; Chen Song; Nikhila Nyayapathi; Tri Vu; Jun Xia; Wenyao Xu	2018	Proc. ACM Interact. Mob. Wearable Ubiquitous Technol.	10.1145/3264932	No NLP focus/details

August 2021	<i>IAfinder</i>: identifying potential implicit assumptions to facilitate validation in medical cyber-physical system	Zhicheng Fu; Zhao Wang; Chunhui Guo; Zhenyu Zhang; Shangping Ren; Lui Sha	2018	Proceedings of the 55th Annual Design Automation Conference	10.1145/3195970.3196062	Non-cardiology focus
August 2021	Medical Protocol Security: DICOM Vulnerability Mining Based on Fuzzing Technology	Zhiqiang Wang; Quanqi Li; Yazhe Wang; Biao Liu; Jianyi Zhang; Qixu Liu	2019	Proceedings of the 2019 ACM SIGSAC Conference on Computer and Communications Security	10.1145/3319535.3363253	Non-cardiology focus
August 2021	Advanced Data Analytics for Clinical Research Part II: Application to Cardiothoracic Surgery	Zhou, Nicolas; Corsini, Erin M.; Antonoff, Mara B.; Jin, Shida; Barbosa, Gregory R.; Kell, Trey; Antonoff, Michael H.	2020	Innovations: Technology and Techniques in Cardiothoracic and Vascular Surgery	http://dx.doi.org/10.1177/1556984520902824	Review/perspective article
August 2021	Nonadherence to Oral Antihyperglycemic Agents: Subsequent Hospitalization and Mortality among Patients with Type 2 Diabetes in Clinical Practice	Zhu, V. J.; Tu, W.; Rosenman, M. B.; Overhage, J. M.	2015	Stud Health Technol Inform		Non-cardiology focus
August 2021	Incorporating patient deterioration when simulating utilization of a cardiovascular intensive care unit	Ziqi Wang; Ambika Agrawal; Imani Carson; Luke Liu; Harini Pennathur; Hadi Saab; Amy Cohn; Amanda Moreno-Hernandez; Hitinder Gurm	2020	Proceedings of the Winter Simulation Conference		Abstract only
August 2021	Study on Dairy Nutrition and Association with Chronic	Ziwei Liang	2021	2020 4th International Conference on Computational Biology and Bioinformatics	10.1145/3449258.3449269	Non-cardiology focus

August 2021	27th International Conference on Neural Information Processing, ICONIP 2020		2020	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)		Abstract only
August 2021	27th International Conference on Neural Information Processing, ICONIP 2020		2020	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)		Abstract only
August 2021	27th International Conference on Neural Information Processing, ICONIP 2020		2020	Communication s in Computer and Information Science		Abstract only
August 2021	27th International Conference on Neural Information Processing, ICONIP 2020		2020	Communication s in Computer and Information Science		Abstract only

August 2021	27th International Conference on Neural Information Processing, ICONIP 2020		2020	Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics)		Abstract only
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