Title: Graph-Representation of Patient Data
A Systematic Literature Review

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Suppl. Table 4: papers, which were excluded in second round (full-text analysis)

Author, editor or organization	Title	Year	Ref.
Allali, Julien; Sagot, Marie-France	A New Distance for High Level RNA Secondary Structure Comparison	2005	[1]
Bassoe, Carl-Fredrik	Representing health, disorder and their transitions by digraphs	2008	[2]
CAMPBELL, K. E.; DAS, A. K.; MUSEN, M. A.	A LOGICAL FOUNDATION FOR REPRESENTATION OF CLINICAL-DATA	1994	[3]
Chan, Derek J.; Furner, Virginia; Smith, Don E.; Dronavalli, Mithilesh; Bopage, Rohan I.; Post, Jeffrey J.; Bhardwaj, Anjali K.	Non-AIDS complexity amongst patients living with HIV in Sydney: risk factors and health outcomes	2018	[4]
Choi, Edward; Bahadori, Mohammad Taha; Le Song; Stewart, Walter F.; Sun, Jimeng	GRAM: Graph-based Attention Model for Healthcare Representation Learning	2017	[5]
da Silva Klahr, Patricia; Correa Coronel, Christian; Cabral Robinson, Caroline; Fonseca, Joao Marcelo; Dias Flores, Cecilia; Della Mea Plentz, Rodrigo	Influence Diagram As a Support Tool for Clinical Decisions In Cardiopulmonary And Metabolic Rehabilitation	2015	[6]
Datla, V.; Hasan, S. A.; Qadir, A.; Lee, K.; Ling, Y.; Liu, J.; Farri, O.	Automated clinical diagnosis: The role of content in various sections of a clinical document	2017	[7]
Edsberg, Ole; Nordbo, Stein Jakob; Vinnes, Erik; Nytro, Oystein	Design and evaluation of a temporal, graph-based language for querying collections of patient histories	2007	[8]
Giani, U.; Brascio, G.; Bruzzese, D.; Garzillo, C.; Vigilante, S.	Emotional and cognitive information processing in web-based medical education	2007	[9]
Goldstein, Ayelet; Shahar, Yuval	An automated knowledge-based textual summarization system for longitudinal, multivariate clinical data	2016	[10]
Goodwin, T.; Harabagiu, S. M.	Automatic Generation of a Qualified Medical Knowledge Graph and Its Usage for Retrieving Patient Cohorts from Electronic Medical Records	2013	[11]
Gortzis, L. G.; Nikiforidis, G.	Tracing and cataloguing knowledge in an e-health cardiology environment	2008	[12]
Harabagiu, S.	Big mechanisms for processing big data in medical informatics	2015	[13]

Harris, Julie	Next Generation Linkage Management System	2013	[14]
Jiang, Jingchi; Li, Xueli; Zhao, Chao; Guan, Yi; Yu, Qiubin	Learning and inference in knowledge-based probabilistic model for medical diagnosis	2017	[15]
Kamkar, I.; Gupta, S.; Li, Cheng; Phung, D.; Venkatesh, S.	Stable clinical prediction using graph support vector machines	2016	[16]
Manzi de Arantes, Wilmondes Jr; Verdier, Christine	Defining quality-measurable medical alerts from incomplete data through fuzzy linguistic variables and modifiers	2010	[17]
Meamarzadeh, H.; Khayyambashi, M. R.; Saraee, M. H.	Extracting Temporal Rules from Medical Data	2009	[18]
Norén, G. Niklas; Bate, Andrew; Hopstadius, Johan; Star, Kristina; Edwards, I. Ralph	Temporal Pattern Discovery for Trends and Transient Effects: Its Application to Patient Records	2008	[19]
Osler, Merete; Prescott, Eva; Wium-Andersen, Ida Kim; Ibfelt, Else Helene; Jorgensen, Martin Balslev; Andersen, Per Kragh; Jorgensen, Terese Sara Hoj; Wium-Andersen, Marie Kim; Martensson, Solvej	The Impact of Comorbid Depression on Educational Inequality in Survival after Acute Coronary Syndrome in a Cohort of 83 062 Patients and a Matched Reference Population	2015	[20]
Pathak, J.; Kiefer, R. C.; Chute, C. G.	Mining drug-drug interaction patterns from linked data: A case study for Warfarin, Clopidogrel, and Simvastatin	2013	[21]
Paulson, Erin H.; Gerberich, Susan Goodwin; Alexander, Bruce H.; Ryan, Andrew; Renier, Colleen M.; Zhang, Xueying; French, L. Ronald; Masten, Ann S.; Carlson, Kathleen Ferguson	Fall-related injuries among agricultural household members: Regional Rural Injury Study II (RRIS-II)	2006	[22]
Rathe, J. C.; Elliott, P. F.	A cancer registry for the community radiation center	1979	[23]
Rodnick, J. E.	The use of automated ambulatory medical records	1977	[24]
Rothwell, D. J.; Cote, R. A.; Cordeau, J. P.; Boisvert, M. A.	Developing a standard data structure for medical language--the SNOMED proposal	1993	[25]
Rotmensch, Maya; Halpern, Yoni; Tlimat, Abdulhakim; Horng, Steven; Sontag, David	Learning a Health Knowledge Graph from Electronic Medical Records	2017	[26]
Sato, D.; Freitas, A.	Understanding quality in data from hospital diagnosis and procedures: A statistical characterization	2010	[27]
Shahn, Zach; Ryan, Patrick; Madigan, David	Predicting Health Outcomes from High-Dimensional Longitudinal Health Histories Using Relational Random Forests	2015	[28]
Spidlen, Josef; Hanzlicek, Petr; Riha, Antonin; Zvarova, Jana	Flexible information storage in MUDR(II) EHR	2006	[29]
Wang, Fei; Liu, Chuanren; Wang, Yajuan; Hu, Jianying; Yu, Guoqiang	A Graph Based Methodology for Temporal Signature Identification from HER	2015	[30]
Wang, Sen; Chang, Xiaojun; Li, Xue; Long, Guodong; Yao, Lina; Sheng, Quan Z.	Diagnosis Code Assignment Using Sparsity-Based Disease Correlation Embedding	2016	[31]
Wiesner, Martin; Pfeifer, Daniel	Adapting Recommender Systems to the Requirements of Personal Health Record Systems	2010	[32]
Yamashita, Takanori; Onimura, Naoya; Soejima, Hidehisa; Nakashima, Naoki; Hirokawa, Sachio	Graph Clustering System for Text-Based Records in a Clinical Pathway	2017	[33]
Yesha, R.; Gangopadhyay, A.; Siegel, E.	A graph-based method for analyzing electronic medical records	2015	[34]
Yin, S.; Chen, D.; Le J	Deep Neural Network Based on Translation Model for Diabetes Knowledge Graph	2017	[35]
Yousefi, A.; Mastouri, N.; Sartipi, K.	Scenario-oriented information extraction from electronic health records	2009	[36]
Zhang, Ping; Wang, Fei; Hu, Jianying; Sorrentino, Robert	Towards personalized medicine: leveraging patient similarity and drug similarity analytics	2014	[37]
Zhou, Xiaohua; Han, Hyoil; Chankai, Isaac; Prestrud, Ann; Brooks, Ari	Approaches to Text Mining for Clinical Medical Records	2006	[38]

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