

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

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Suppl. Table 3:

Author, editor or organization	Title	Year	Ref.	Reviewer 1 reason	Reviewer 2 reason	Reviewer 3 reason
	Abbs v. Sullivan	1992	[1]	graph is not associated to an individual patient	term "graph" is used for something different than for patient graphs	
Adin, C. A.; Gregory, C. R.; Kyles, A. E.; Cowgill, L.	Diagnostic predictors of complications and survival after renal transplantation in cats	2001	[2]	term "graph" is used for something different than for patient graphs	No graph mentioned	
Agogo, George O.; van der Voet, Hilko; van't Veer, Pieter; Ferrari, Pietro; Leenders, Max; Muller, David C.; Sanchez-Cantalejo, Emilio; Bamia, Christina; Braaten, Tonje; Knuppel, Sven; Johansson, Ingegerd; van Eeuwijk, Fred A.; Boshuizen, Hendriek	Use of two-part regression calibration model to correct for measurement error in episodically consumed foods in a single-replicate study design: EPIC case study	2014	[3]	term "graph" is used for something different than for patient graphs	No graph mentioned	
Amit, Moran; Yen, Tzu Chen; Liao, Chun Ta; Chaturvedi, Pankaj; Agarwal, Jai Prakash; Kowalski, Luiz Paulo; Kohler, Hugo F.; Ebrahimi, Ardan; Clark, Jonathan R.; Cernea, Claudio Roberto;	The origin of regional failure in oral cavity squamous cell carcinoma with pathologically negative neck metastases	2014	[4]	term "graph" is used for something different than for patient graphs	No graph mentioned	

Brandao, Jose S.; Kreppel, Matthias; Zoller, Joachim E.; Leider-Trejo, Leonor; Bachar, Gideon; Shpitzer, Thomas; Bolzoni, Andrea Villaret; Patel, Raj P.; Jonnalagadda, Sashikanth; Robbins, Thomas Kevin; Shah, Jatin P.; Patel, Snehal G.; Gil, Ziv						
Andreano, Anita; Reborra, Paola; Valsecchi, Maria Grazia; Russo, Antonio Giampiero	Adherence to guidelines and breast cancer patients survival: a population-based cohort study analyzed with a causal inference approach	2017	[5]	term "graph" is used for something different than for patient graphs	No graph theory	
Anindya, Imrul Chowdhury; Roy, Harichandan; Kantarcioglu, Murat; Malin, Bradley	Building a Dossier on the Cheap: Integrating Distributed Personal Data Resources Under Cost Constraints	2017	[6]	term "graph" is used for something different than for patient graphs	No EHR data	
Antani, S.	Integrating image and text information for biomedical information retrieval	2010	[7]	term "graph" is used for something different than for patient graphs	Graph as image	
Anwar, Muhammad Naveed; Oakes, Michael Philip	Data Mining of Audiology Patient Records: Factors Influencing the Choice of Hearing Aid Type	2011	[8]	term "graph" is used for something different than for patient graphs	Graph used for audiogram	
Anwar, Muhammad N.; Oakes, Michael P.	Data mining of audiology patient records: factors influencing the choice of hearing aid type	2012	[9]	term "graph" is used for something different than for patient graphs	Graph used for audiogram	
Arcilla, Mary Jane B.; Ang, Viana Celina T.; Ochoa, Mikaela Nazarene; Padua, Christian Paulo L.; Payawal, Riezl E.	Kidnew: The Kidney Transplant Patient Personal Health Buddy	2015	[10]	term "graph" is used for something different than for patient graphs	Graph as image	
Atreja, Ashish; Khan, Sameer; Rogers, Jason D.; Ootob, Emamuzo; Patel, Nishant P.; Ullman, Thomas; Colombel, Jean Fred; Moore, Shirley; Sands, Bruce E.	Impact of the Mobile HealthPROMISE Platform on the Quality of Care and Quality of Life in Patients With Inflammatory Bowel Disease: Study Protocol of a Pragmatic Randomized Controlled Trial	2015	[11]	term "graph" is used for something different than for patient graphs	Graph as image	
Bakel, Leigh Anne; Wilson, Karen; Tyler, Amy; Tham, Eric; Reese, Jennifer; Bothner, Joan; Kaplan, David W.	A quality improvement study to improve inpatient problem list use	2014	[12]	term "graph" is used for something different than for patient graphs	Graph as image	
Baptista Macaroff, W. M.; Castroman Espasandin, P.	Analgesic quality in a postoperative pain service: continuous assessment with the cumulative sum (cusum) method	2007	[13]	term "graph" is used for something different than for patient graphs	Hospital performance modelled	
Barsky, Marina; Stege, Ulrike; Thomo, Alex; Upton, Chris	A Graph Approach to the Threshold All-against-all Substring Matching Problem	2008	[14]	term "graph" is used for something different than for patient graphs	no patient data	
Bassily, Mena N.; Wilson, Richard; Pompei, Francesco; Burmistrov, Dimitriy	Cancer survival as a function of age at diagnosis: a study of the Surveillance, Epidemiology and End Results database	2010	[15]	term "graph" is used for something different than for patient graphs	Graph as image	

Baud, R. H.; Am RASSINOX; SCHERRER, [JR]	NATURAL-LANGUAGE PROCESSING AND SEMANTICAL REPRESENTATION OF MEDICAL TEXTS	1992	[16]	graph is not associated to an individual patient	no patient data	
Baud, R. H.; Am RASSINOX; WAGNER, J. C.; Lovis, C.; JUGE, C.; ALPAY, L. L.; Michel, P. A.; Degoulet, P.; SCHERRER, [JR]	REPRESENTING CLINICAL NARRATIVES USING CONCEPTUAL GRAPHS	1995	[17]	graph is not associated to an individual patient	focus on language processing	
Baud, R. H.; Rassinoux, A. M.; Scherrer, J. R.	Natural language processing and semantical representation of medical texts	1992	[18]	Dublette	focus on language processing	
Bean, Daniel M.; Wu, Honghan; Iqbal, Ehtesham; Dzahini, Olubanke; Ibrahim, Zina M.; Broadbent, Matthew; Stewart, Robert; Dobson, Richard J. B.	Knowledge graph prediction of unknown adverse drug reactions and validation in electronic health records	2017	[19]	graph is not associated to an individual patient	no patient data modelled	
Bean, Daniel M.; Wu, Honghan; Iqbal, Ehtesham; Dzahini, Olubanke; Ibrahim, Zina M.; Broadbent, Matthew; Stewart, Robert; Dobson, Richard J. B.	Author Correction: Knowledge graph prediction of unknown adverse drug reactions and validation in electronic health records	2018	[20]	Dublette	no patient data modelled	
Beilin, L. J.; Bulpitt, C. J.; Coles, E. C.; Dollery, C. T.; Johnson, B. F.; Mearns, C.; Munro-Faure, A. D.; Turner, S. C.	Computer-based hypertension clinic records: a co-operative study	1974	[21]	term "graph" is used for something different than for patient graphs	Graph as image	
Bellin, Eran; Kalkut, Gary	Is time-slice analysis superior to total hospital length of stay in demonstrating the effectiveness of a month-long intensive effort on a medicine service?	2004	[22]	term "graph" is used for something different than for patient graphs	graph as visualization	
Benedik, Peter; Rajkovic, Uros; Sustersic, Olga	Toward the design of a nursing ontology system	2014	[23]	graph is not associated to an individual patient	no patient data modelled	
Bereg, Sergey; Zhang, Yuanyi	Phylogenetic Networks Based on the Molecular Clock Hypothesis	2007	[24]	term "graph" is used for something different than for patient graphs	No graph theory mentioned	
Bernauer, J.; Franz, M.; Schoop, D.; Schoop, M.; Pretschner, D. P.	The compositional approach for representing medical concept systems	1995	[25]	graph is not associated to an individual patient	focus on language processing	
Bertrand, Denis; Gascuel, Olivier	Topological Rearrangements and Local Search Method for Tandem Duplication Trees	2005	[26]	term "graph" is used for something different than for patient graphs	no patient data modelled	
Bingham, A.	Computerized patient records benefit physician offices	1997	[27]	term "graph" is used for something different than for patient graphs	Graph as image	
Bono, B. de; Helvensteijn, M.; Kokash, N.; Martorelli, I.; Sarwar, D.; Islam, S.; Grenon, P.; Hunter, P.	Requirements for the formal representation of pathophysiology mechanisms by clinicians	2016	[28]	graph is not associated to an individual patient	No graph mentioned	
Bordewich, Magnus; Gascuel, Olivier; Huber, Katharina T.; Moulton, Vincent	Consistency of Topological Moves Based on the Balanced Minimum Evolution Principle of Phylogenetic Inference	2009	[29]	term "graph" is used for something different than for patient graphs	no patient data modelled	

Brewer, Noel T.; Gilkey, Melissa B.; Lillie, Sarah E.; Hesse, Bradford W.; Sheridan, Stacey L.	Tables or bar graphs? Presenting test results in electronic medical records	2012	[30]	term "graph" is used for something different than for patient graphs	graph as visualization	
Britto, Maria T.; Jimison, Holly B.; Munafo, Jennifer Knopf; Wissman, Jennifer; Rogers, Michelle L.; Hersh, William	Usability testing finds problems for novice users of pediatric portals	2009	[31]	term "graph" is used for something different than for patient graphs	graph as visualization	
Brown, A. L.	Constructing Chromosome Scale Suffix Trees	2004	[32]	term "graph" is used for something different than for patient graphs	No graph theory	
Buchtela, David; Anger, Zdenek; Peleska, Jan; Vesely, Arnost; Zvarova, Jana	Presentation of medical guidelines on a computer	2004	[33]	term "graph" is used for something different than for patient graphs	no patient data but medical guidelines modelled	
Bui, Aleex A. T.; Taira, Ricky K.; Churchill, Bernard; Kangarloo, Hooshang	Integrated visualization of problemcentric urologic patient records	2002	[34]	term "graph" is used for something different than for patient graphs	graph as visualization	
Burgess, H. A.	Use of the labor graph in Malawi	1986	[35]	term "graph" is used for something different than for patient graphs	graph as visualization	
Butch, S. H.	Practical use of computerized hospital information systems to improve blood transfusion	1997	[36]	term "graph" is used for something different than for patient graphs	graph as visualization	
Cates, W. [JR]	Legal abortion: the public health record	1982	[37]	term "graph" is used for something different than for patient graphs	No graph theory	
Cen, Songxiang; Han, Li; Ma, Jian	Ranking Weblogs by Analyzing Reading and Commenting Activities	2009	[38]	graph is not associated to an individual patient	no patient data modelled	
Chazelle, Bernard	Technical Perspective: Finding a Good Neighbor, Near and Fast	2008	[39]	term "graph" is used for something different than for patient graphs	no patient data	
Chen, Peng-Lai; Zhao, Ting; Feng, Rui; Chai, Jing; Tong, Gui-Xian; Wang, De-Bin	Patterns and trends with cancer incidence and mortality rates reported by the China National Cancer Registry	2014	[40]	term "graph" is used for something different than for patient graphs	graph as visualization	
Chennamsetty, H.; Chalasani, S.; Riley, D.	Predictive analytics on Electronic Health Records (EHRs) using Hadoop and Hive	2015	[41]	term "graph" is used for something different than for patient graphs	Graph as image	
Christinat, Yann; Moret, Bernard M. E.	A Transcript Perspective on Evolution	2013	[42]	term "graph" is used for something different than for patient graphs	no patient data	
Christofidis, Melany J.; Hill, Andrew; Horswill, Mark S.; Watson, Marcus O.	Observation charts with overlapping blood pressure and heart rate graphs do not yield the performance advantage that health professionals assume: an experimental study	2014	[43]	term "graph" is used for something different than for patient graphs	graph as visualization	

Chung, Hyun Hoon; Kim, Jae Weon; Kang, Keon Wook; Park, Noh-Hyun; Song, Yong-Sang; Chung, June-Key; Kang, Soon-Beom	Post-treatment (1)(8)FFDG maximum standardized uptake value as a prognostic marker of recurrence in endometrial carcinoma	2011	[44]	term "graph" is used for something different than for patient graphs	No graph theory	
Cimino, J. J.; Clayton, P. D.; Hripcsak, G.; Johnson, S. B.	Knowledge-based approaches to the maintenance of a large controlled medical terminology	1994	[45]	graph is not associated to an individual patient	no patient data but medical terminology modelled	
Collier, Timothy; Steenkamp, Retha; Tomson, Charlie; Caskey, Fergus; Ansell, David; Roderick, Paul; Nitsch, Dorothea	Patterns and effects of missing comorbidity data for patients starting renal replacement therapy in England, Wales and Northern Ireland	2011	[46]	term "graph" is used for something different than for patient graphs	graph as visualization	
Cota, Erika; Ribeiro, Leila; Bezerra, Jonas Santos; Costa, Andrei; da Silva, Rosiana Estefane; Cota, Glaucia	Using formal methods for content validation of medical procedure documents	2017	[47]	graph is not associated to an individual patient	no patient data	
Cruz, J. P.; Libatique, N. J.; Tangonan, G.	Steganography and data hiding in flash video (FLV)	2012	[48]	term "graph" is used for something different than for patient graphs	no patient data	
Cypko, M. A.; Wojdziak, J.; Stoehr, M.; Kirchner, B.; Preim, B.; Dietz, A.; Lemke, H. U.; Oeltze-Jafra, S.	Visual Verification of Cancer Staging for Therapy Decision Support	2017	[49]	graph is not associated to an individual patient	graph as visualization	
Dabek, F.; Caban, J. J.	A grammar-based approach to model the patient's clinical trajectory after a mild traumatic brain injury	2015	[50]	graph is not associated to an individual patient	no data of individual patients	
Dabek, Filip; Chen, Jian; Garbarino, Alexander; Caban, Jesus J.	Visualization of Longitudinal Clinical Trajectories Using a Graph-based Approach	2015	[51]	graph is not associated to an individual patient	no data of individual patients	
Dahl, Mads Ronald; Vedsted, Peter	Personal data and confidentiality on the Internet	2008	[52]	term "graph" is used for something different than for patient graphs	no data of individual patients	
Danaei, Goodarz; Garcia Rodriguez, Luis A.; Fernandez Cantero, Oscar; Logan, Roger; Hernan, Miguel A.	Observational data for comparative effectiveness research: An emulation of randomised trials of statins and primary prevention of coronary heart disease	2013	[53]	term "graph" is used for something different than for patient graphs	No graph theory mentioned	
Davidson, Shmuel; Natan, Dafna; Novikov, Ilya; Sokolover, Nir; Erlich, Avi; Shamir, Raanan	Body mass index and weight-for-length ratio references for infants born at 33-42 weeks gestation: a new tool for anthropometric assessment	2011	[54]	term "graph" is used for something different than for patient graphs	Graph as image	
Degnan, James H.; Rosenberg, Noah A.; Stadler, Tanja	A Characterization of the Set of Species Trees That Produce Anomalous Ranked Gene Trees	2012	[55]	term "graph" is used for something different than for patient graphs	graph as visualization	
Delman, B. S.	A problem-oriented approach to journal selection for hospital libraries	1982	[56]	term "graph" is used for something different than for patient graphs	no patient data	

Dent, R. M.; Penwarden, R. M.; Harris, N.; Hotz, S. B.	Development and evaluation of patient-centered software for a weight-management clinic	2002	[57]	term "graph" is used for something different than for patient graphs	graph as visualization	
Dietz, Kelly R.; Zhang, Lei; Seidel, Frank G.	The transverse diameter of the chest on routine radiographs reliably estimates gestational age and weight in premature infants	2015	[58]	term "graph" is used for something different than for patient graphs	Graph as image	
Diprose, G. K.; Evans, D. H.; Levene, M. I.	A microcomputer monitoring and data-acquisition system for intensive care units	1985	[59]	term "graph" is used for something different than for patient graphs	graph as visualization	
Elliott, Doug; Allen, Emily; McKinley, Sharon; Perry, Lin; Duffield, Christine; Fry, Margaret; Gallagher, Robyn; Iedema, Rick; Roche, Michael	User acceptance of observation and response charts with a track and trigger system: a multisite staff survey	2016	[60]	term "graph" is used for something different than for patient graphs	graph as visualization	
Engholm, Gerda; Ferlay, Jacques; Christensen, Niels; Bray, Freddie; Gjerstorff, Marianne L.; Klint, Asa; Kotlum, Joanis E.; Olafsdottir, Elinborg; Pukkala, Eero; Storm, Hans H.	NORDCAN--a Nordic tool for cancer information, planning, quality control and research	2010	[61]	term "graph" is used for something different than for patient graphs	graph as visualization	
Erkal, Sibel; Gerberich, Susan Goodwin; Ryan, Andrew D.; Renier, Colleen M.; Alexander, Bruce H.	Animal-related injuries: a population-based study of a five-state region in the upper Midwest: Regional Rural Injury Study II	2008	[62]	graph is not associated to an individual patient	no data of individual patients	
Evandt, Jorunn; Oftedal, Bente; Krog, Norun Hjertager; Skurtveit, Svetlana; Nafstad, Per; Schwarze, Per E.; Skovlund, Eva; Houthuijs, Danny; Aasvang, Gunn Marit	Road traffic noise and registry based use of sleep medication	2017	[63]	term "graph" is used for something different than for patient graphs	No graph theory	
Evans, J. M.; MacDonald, T. M.	Misclassification and selection bias in case-control studies using an automated database	1997	[64]	term "graph" is used for something different than for patient graphs	graph as visualization	
Faeder, James R.; Blinov, Michael L.; Hlavacek, William S.	Graphical Rule-based Representation of Signal-transduction Networks	2005	[65]	graph is not associated to an individual patient	graph as visualization	
Faloutsos, Christos	Future Directions in Data Mining: Streams, Networks, Self-similarity and Power Laws	2002	[66]	graph is not associated to an individual patient	no patient data	
Faloutsos, Christos; Kamel, Ibrahim	Beyond Uniformity and Independence: Analysis of R-trees Using the Concept of Fractal Dimension	1994	[67]	term "graph" is used for something different than for patient graphs	no patient data	
Fan, Kai; Eisenberg, Marisa; Walsh, Alison; Aiello, Allison; Heller, Katherine	Hierarchical Graph-Coupled HMMs for Heterogeneous Personalized Health Data	2015	[68]	term "graph" is used for something different than for patient graphs	graph not used for modelling patient data	
Farfan, F.; Hristidis, V.; Ranganathan, A.; Burke, R. P.	Ontology-Aware Search on XML-based Electronic Medical Records	2008	[69]	graph is not associated to an individual patient	No graph theory	

Fazeli Dehkordy, Soudabeh; Carlos, Ruth C.; Hall, Kelli S.; Dalton, Vanessa K.	Novel data sources for women's health research: mapping breast screening online information seeking through Google trends	2014	[70]	term "graph" is used for something different than for patient graphs	graph as visualization	
Feng, Jianxing; Zhu, Daming	Faster Algorithms for Sorting by Transpositions and Sorting by Block Interchanges	2007	[71]	term "graph" is used for something different than for patient graphs	no patient data	
Ferreira, Tania S.; Luiz de Souza-Braga, Andre; Soraia Cavalcanti-Valente, Geilsa; Ferreira de Souza, Deise; Moreira Carvalho-Alves, Enilda	Nursing audit: The impact of nursing annotation in the context of hospital gloss	2009	[72]	wrong language	graph as visualization	
Finlayson, Samuel G.; LePendu, Paea; Shah, Nigam H.	Building the graph of medicine from millions of clinical narratives	2014	[73]	term "graph" is used for something different than for patient graphs	no data of individual patients	
Flack, J. R.	Seven years experience with a computerized diabetes clinic database	1995	[74]	term "graph" is used for something different than for patient graphs	graph as visualization	
Florit, A. M.; Mori, A. R.; Simone, M. de; d'Annunzio, V.; Ricci, F. L.; Lalle, C.	Context trees: representing co-operative healthcare activities in IREP	1995	[75]	graph is not associated to an individual patient	graph as visualization	
Folio, Les R.; Machado, Laura B.; Dwyer, Andrew J.	Multimedia-enhanced Radiology Reports: Concept, Components, and Challenges	2018	[76]	term "graph" is used for something different than for patient graphs	Graph as image	
Forister, Julie F. Y.; Sun, Amy; Weissman, Barry A.	Progress report on a post-radial keratotomy patient 20 years after surgery	2007	[77]	term "graph" is used for something different than for patient graphs	graph as visualization	
Fors, U. G.; Sandberg, H. C.	Computer-aided risk management--a software tool for the Hidep model	2001	[78]	term "graph" is used for something different than for patient graphs	graph as visualization	
Fracaro, Paolo; Vigo, Markel; Balatsoukas, Panagiotis; van der Veer, Sabine N.; Hassan, Lamiece; Williams, Richard; Wood, Grahame; Sinha, Smeeta; Buchan, Iain; Peek, Niels	Presentation of laboratory test results in patient portals: influence of interface design on risk interpretation and visual search behaviour	2018	[79]	term "graph" is used for something different than for patient graphs	Graph as image	
Friesen, Marcia R.; Hamel, Carole; McLeod, Robert D.	A mHealth application for chronic wound care: findings of a user trial	2013	[80]	term "graph" is used for something different than for patient graphs	Graph as image	
Gail, Mitchell H.; Costantino, Joseph P.; Pee, David; Bondy, Melissa; Newman, Lisa; Selvan, Mano; Anderson, Garnet L.; Malone, Kathleen E.; Marchbanks, Polly A.; McCaskill-Stevens, Wortia; Norman, Sandra A.; Simon, Michael S.; Spirtas, Robert; Ursin, Giske; Bernstein, Leslie	Projecting individualized absolute invasive breast cancer risk in African American women	2007	[81]	term "graph" is used for something different than for patient graphs	Graph as image	

Galopin, Alexandre; Bouaud, Jacques; Pereira, Suzanne; Seroussi, Brigitte	Using an ontological modeling to evaluate the consistency of clinical practice guidelines: application to the comparison of three guidelines on the management of adult hypertension	2014	[82]	term "graph" is used for something different than for patient graphs	no patient data but medical guidelines modelled	
Galopin, Alexandre; Bouaud, Jacques; Pereira, Suzanne; Seroussi, Brigitte	An Ontology-Based Clinical Decision Support System for the Management of Patients with Multiple Chronic Disorders	2015	[83]	term "graph" is used for something different than for patient graphs	no patient data but medical guidelines modelled	
Garla, Vijay; Taylor, Caroline; Brandt, Cynthia	Semi-supervised clinical text classification with Laplacian SVMs: an application to cancer case management	2013	[84]	term "graph" is used for something different than for patient graphs	No graph theory	
Garrett, William F.; Fuchs, Henry; Whitton, Mary C.; State, Andrei	Real-time Incremental Visualization of Dynamic Ultrasound Volumes Using Parallel BSP Trees	1996	[85]	term "graph" is used for something different than for patient graphs	No graph theory mentioned	
Gevins, A. S.; Yeager, C. L.; Diamond, S. L.	Interactive Analysis and Display of the Electroencephalogram (EEG) in Real Time	1974	[86]	term "graph" is used for something different than for patient graphs	No graph theory but signal processing	
Gibson, Todd A.; Goldberg, Debra S.	Evaluating Theoretical Models of Protein Interaction Network Evolution Without Seed Graphs	2013	[87]	term "graph" is used for something different than for patient graphs	no data of individual patients	
Glinkowski, Wojciech	Web-Based Support for Fracture Healing Evaluation and Monitoring	2011	[88]	term "graph" is used for something different than for patient graphs	Graph as image	
Goodwin, Travis; Harabagiu, Sanda	Embedding Open-domain Common-sense Knowledge from Text	2016	[89]	graph is not associated to an individual patient	no data of individual patients	
Grinspan, Zachary M.; Abramson, Erika L.; Banerjee, Samprit; Kern, Lisa M.; Kaushal, Rainu; Shapiro, Jason S.	Potential value of health information exchange for people with epilepsy: crossover patterns and missing clinical data	2013	[90]	term "graph" is used for something different than for patient graphs	No graph theory mentioned	
Gunter, Carl	Detecting Roles and Anomalies in Hospital Access Audit Logs	2014	[91]	term "graph" is used for something different than for patient graphs	no data of individual patients but audit logs	
Guzzi, Pietro Hiram; Mina, Marco	Towards the Assessment of Semantic Similarity Analysis of Protein Data: Main Approaches and Issues	2012	[92]	term "graph" is used for something different than for patient graphs	no data of individual patients	
Hackney, David N.; Knudtson, Eric J.; Rossi, Karen Q.; Krugh, Dave; O'Shaughnessy, Richard W.	Management of pregnancies complicated by anti-c isoimmunization	2004	[93]	term "graph" is used for something different than for patient graphs	graph as visualization	
Halachev, Mihail; Shiri, Nematollaah; Thamildurai, Anand	Exact Match Search in Sequence Data Using Suffix Trees	2005	[94]	graph is not associated to an individual patient	no data of individual patients	
Harsola, A.; Thale, S.; Panse, M. S.	Low Cost Digital Stethoscope for Heart Sounds	2011	[95]	term "graph" is used for something different than for patient graphs	Graph as image	

Hartzler, Andrea L.; Izard, Jason P.; Dalkin, Bruce L.; Mikles, Sean P.; Gore, John L.	Design and feasibility of integrating personalized PRO dashboards into prostate cancer care	2016	[96]	term "graph" is used for something different than for patient graphs	graph as visualization	
Hausler, R.; Washburn, D.; Rey, P.; Stefanoff, F.	Acquiring otoneurological results by computer. Evaluation after 2 years of experience	1982	[97]	term "graph" is used for something different than for patient graphs	French	
Henry, S. B.; Mead, C. N.	Nursing classification systems: necessary but not sufficient for representing "what nurses do" for inclusion in computer-based patient record systems	1997	[98]	term "graph" is used for something different than for patient graphs	nursing activities, not patient data	
Henzinger, Monika Rauch; King, Valerie; Warnow, Tandy	Constructing a Tree from Homeomorphic Subtrees, with Applications to Computational Evolutionary Biology	1996	[99]	term "graph" is used for something different than for patient graphs	no data of individual patients	
Herman, Ted; Pemmaraju, Sriram V.; Segre, Alberto M.; Polgreen, Philip M.; Curtis, Donald E.; Fries, Jason; Hlady, Chris; Severson, Monica	Wireless Applications for Hospital Epidemiology	2009	[100]	term "graph" is used for something different than for patient graphs	No graph theory	
Hettne, Kristina; Soiland-Reyes, Stian; Klyne, Graham; Belhajjame, Khalid; Gamble, Matthew; Bechhofer, Sean; Roos, Marco; Corcho, Oscar	Workflow Forever: Semantic Web Semantic Models and Tools for Preserving and Digitally Publishing Computational Experiments	2012	[101]	term "graph" is used for something different than for patient graphs	no data of individual patients but process graphs	
Hofer, Christine; Kiechl, Stefan; Lang, Wilfried	The Austrian Stroke-Unit-Registry	2008	[102]	term "graph" is used for something different than for patient graphs	graph as visualization	
Hoimyr, Hilde; Christensen, Thomas D.; Emmertsen, Kristian; Johnsen, Soren P.; Riis, Anders; Hansen, Ole Kromann; Hjortdal, Vibeke E.	Surgical repair of coarctation of the aorta: up to 40 years of follow-up	2006	[103]	term "graph" is used for something different than for patient graphs	graph as visualization	
Hripscak, George; Soulakis, Nicholas D.; Li, Li; Morrison, Frances P.; Lai, Albert M.; Friedman, Carol; Calman, Neil S.; Mostashari, Farzad	Syndromic surveillance using ambulatory electronic health records	2009	[104]	term "graph" is used for something different than for patient graphs	graph as visualization	
Huang, H.; Gong, T.; Ye, N.; Wang, R.; Dou, Y.	Private and Secured Medical Data Transmission and Analysis for Wireless Sensing Healthcare System	2017	[105]	term "graph" is used for something different than for patient graphs	No graph theory mentioned	
Huesch, Marco D.; Schetter, Susann; Segel, Joel; Chetlen, Alison	Evaluation of the "Angelina Jolie Effect" on Screening Mammography Utilization in an Academic Center	2017	[106]	term "graph" is used for something different than for patient graphs	no data of individual patients	
Islam, S. K. Hafizul; Khan, Muhammad Khurram; Li, Xiong	Security Analysis and Improvement of 'a More Secure Anonymous User Authentication Scheme for the Integrated EPR Information System'	2015	[107]	term "graph" is used for something different than for patient graphs	No graph mentioned	

	Italian cancer figures, report 2012: Cancer in children and adolescents	2013	[108]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Jacky, Jonathan P.; Kalet, Ira J.	An Object-oriented Programming Discipline for Standard Pascal	1987	[109]	term "graph" is used for something different than for patient graphs	no medical context	
Jamakovic, Mesud; Baljic, Rusmir	Significance of copper level in serum and routine laboratory parameters in estimation of outspreading of Hodgkin's Lymphoma	2013	[110]	term "graph" is used for something different than for patient graphs	graph as visualization	
Jamil, Hasan M.; Modica, Giovanni A.; Teran, Maria A.	Towards a Visual Query Interface for Phylogenetic Databases	2001	[111]	term "graph" is used for something different than for patient graphs	no data of individual patients	
Jamison, Robert N.; Jurcik, Dylan C.; Edwards, Robert R.; Huang, Chuan-Chin; Ross, Edgar L.	A Pilot Comparison of a Smartphone App With or Without 2-Way Messaging Among Chronic Pain Patients: Who Benefits From a Pain App?	2017	[112]	term "graph" is used for something different than for patient graphs	graph as visualization	
Kawada, T.; Aoki, S.; Suzuki, S.	Management of personal health examination data for a population by use of a portable computer	1992	[113]	term "graph" is used for something different than for patient graphs	graph as visualization	
Kay, Matthew; Choe, Eun Kyoung; Shepherd, Jesse; Greenstein, Benjamin; Watson, Nathaniel; Consolvo, Sunny; Kientz, Julie A.	Lullaby: A Capture & Access System for Understanding the Sleep Environment	2012	[114]	term "graph" is used for something different than for patient graphs	graph as visualization	
Kazmierczak, Steven C.; Leen, Todd K.; Erdogmus, Deniz; Carreira-Perpinan, Miguel A.	Reduction of multi-dimensional laboratory data to a two-dimensional plot: a novel technique for the identification of laboratory error	2007	[115]	term "graph" is used for something different than for patient graphs	graph as visualization	
Keenan, Gail M.; Lopez, Karen Dunn; Yao, Yingwei; Sousa, Vanessa E. C.; Stifter, Janet; Febretti, Alessandro; Johnson, Andrew; Wilkie, Diana J.	Toward Meaningful Care Plan Clinical Decision Support: Feasibility and Effects of a Simulated Pilot Study	2017	[116]	term "graph" is used for something different than for patient graphs	graph as visualization	
Kennedy, I.; Ritter, H.	Antenatal records: do they help us? A new record for watching fetal growth	1984	[117]	term "graph" is used for something different than for patient graphs	graph as visualization	
Kennedy, I.; Stephens, B.	A novel antenatal record to help midwives	1979	[118]	term "graph" is used for something different than for patient graphs	graph as visualization	
Khan, I. A.	Personalized Electronic Health Record System for Monitoring Patients with Chronic Disease	2013	[119]	term "graph" is used for something different than for patient graphs	graph as visualization	
Khan, Arijit; Bhowmick, Sourav S.; Bonchi, Francesco	Summarizing Static and Dynamic Big Graphs	2017	[120]	graph is not associated to an individual patient	no graph representation of data but graph reduction	

Khan, Arijit; Elnikety, Sameh	Systems for Big-graphs	2014	[121]	graph is not associated to an individual patient	no data of individual patients	
Klann, Jeffrey G.; McCoy, Allison B.; Wright, Adam; Wattanasin, Nich; Sittig, Dean F.; Murphy, Shawn N.	Health care transformation through collaboration on open-source informatics projects: integrating a medical applications platform, research data repository, and patient summarization	2013	[122]	term "graph" is used for something different than for patient graphs	graph as visualization	
Klann, Jeffrey G.; Szolovits, Peter; Downs, Stephen M.; Schadow, Gunther	Decision support from local data: creating adaptive order menus from past clinician behavior	2014	[123]	graph is not associated to an individual patient	No graph theory	
Kofler, J.; Pesenhofer, R.; Landl, G.; Sommerfeld-Stur, I.; Peham, C.	Monitoring of dairy cow claw health status in 15 herds using the computerised documentation program Claw Manager and digital parameters	2013	[124]	term "graph" is used for something different than for patient graphs	graph as visualization	
Kourtis, Georgios; Caiaffa, Maria-Filomena; Forte, Cesarea; Scarlato, Marisa I.; Macchia, Luigi	Retrospective monitoring in the management of persistent asthma	2011	[125]	term "graph" is used for something different than for patient graphs	graph as visualization	
Kraus, Stefan; Castellanos, Ixchel; Albermann, Matthias; Schuettler, Christina; Prokosch, Hans-Ulrich; Staudigel, Martin; Toddenroth, Dennis	Using Arden Syntax for the Generation of Intelligent Intensive Care Discharge Letters	2016	[126]	term "graph" is used for something different than for patient graphs	Graph as image	
Kushniruk, Andre; Borycki, Elizabeth; Anderson, James G.; Anderson, Marilyn M.	Combining Two Forms of Simulation to Predict the Potential Impact of Interface Design on Technology-induced Error in Healthcare	2008	[127]	graph is not associated to an individual patient	graph as visualization	
Kwon, Yongjin; Kang, Kyuchang; Bae, Changseok; Chung, Hee-Joon; Kim, Ju Han	Lifelog agent for human activity pattern analysis on health avatar platform	2014	[128]	term "graph" is used for something different than for patient graphs	no medical data but activity graphs	
Labarre, Anthony; Verwer, Sicco	Merging Partially Labelled Trees: Hardness and a Declarative Programming Solution	2014	[129]	graph is not associated to an individual patient	no data of individual patients	
Lancia, Giuseppe; Carr, Robert; Walenz, Brian; Istrail, Sorin	101 Optimal PDB Structure Alignments: A Branch-and-cut Algorithm for the Maximum Contact Map Overlap Problem	2001	[130]	graph is not associated to an individual patient	no data of individual patients	
Landes, Sara J.; Carlson, Eve B.; Ruzek, Josef I.; Wang, Dan; Hugo, Emily; DeGaetano, Noah; Chambers, Justin G.; Lindley, Steven E.	Provider-Driven Development of a Measurement Feedback System to Enhance Measurement-Based Care in VA Mental Health	2015	[131]	term "graph" is used for something different than for patient graphs	graph as visualization	
Lee, Hee Jun; Kim, Ju Yeong; Kim, Seul Ki; Lee, Jung Ryeol; Suh, Chang Suk; Kim, Seok Hyun	Learning Curve Analysis and Surgical Outcomes of Single-port Laparoscopic Myomectomy	2015	[132]	term "graph" is used for something different than for patient graphs	graph as visualization	
Levin, Roger J.	Incidence of thyroid cancer in residents surrounding the Three Mile Island nuclear facility	2008	[133]	term "graph" is used for something different than for patient graphs	graph as visualization	

Lezcano, Leonardo; Sanchez-Alonso, Salvador; Sicilia, Miguel-Angel	Associating clinical archetypes through UMLS Metathesaurus term clusters	2012	[134]	graph is not associated to an individual patient	no data of individual patients	
Liabsuetrakul, Tippawan; Prappre, Tagoon; Pairot, Pakamas; Oumuddee, Nurlisa; Islam, Monir	Development of a web-based epidemiological surveillance system with health system response for improving maternal and newborn health: Field-testing in Thailand	2017	[135]	term “graph” is used for something different than for patient graphs	Graph as image	
Lin, Ying Ling; Guerguerian, Anne-Marie; Tomasi, Jessica; Laussen, Peter; Trbovich, Patricia	Usability of data integration and visualization software for multidisciplinary pediatric intensive care: a human factors approach to assessing technology	2017	[136]	term “graph” is used for something different than for patient graphs	graph as visualization	
Lin, Hsiu-Wen; Wang, Yu-Jen; Jing, Ling-Fang; Chang, Polun	Mockup design of personal health diary app for patients with chronic kidney disease	2014	[137]	term “graph” is used for something different than for patient graphs	graph as visualization	
Liu, Wei; Chung, Bo Chuen; Wang, Rui; Ng, Jonathon; Morlet, Nigel	A genetic algorithm enabled ensemble for unsupervised medical term extraction from clinical letters	2015	[138]	graph is not associated to an individual patient	term “graph” is used for something different than for patient graphs	
Liu, H.; Dou, D.; Jin, R.; Lependu, P.; Shah, N.	Mining Biomedical Ontologies and Data Using RDF Hypergraphs	2013	[139]	term “graph” is used for something different than for patient graphs	term “graph” is used for something different than for patient graphs	
Liu, Yifeng; Guo, Zhaochen; Ke, Xiaodi; Za’iane, Osmar R.	Protein Subcellular Localization Prediction with Associative Classification and Multi-class SVM	2011	[140]	term “graph” is used for something different than for patient graphs	term “graph” is used for something different than for patient graphs	
Liu, J. M.; Wu, H. W.; Chen, W. S.; Lin, W. C.; Chao, Y.; Lui, W. Y.; Whang-Peng, J.	Integration of computer-assembled digital images and text data as evidence for the oncological record	2000	[141]	term “graph” is used for something different than for patient graphs	term “graph” is used for something different than for patient graphs	
Loorak, Mona Hosseinkhani; Perin, Charles; Kamal, Noreen; Hill, Michael; Carpendale, Sheelagh	TimeSpan: Using Visualization to Explore Temporal Multi-dimensional Data of Stroke Patients	2016	[142]	graph is not associated to an individual patient	term “graph” is used for something different than for patient graphs	
Lopez, Karen Dunn; Wilkie, Diana J.; Yao, Yingwei; Sousa, Vanessa; Febretti, Alessandro; Stifter, Janet; Johnson, Andrew; Keenan, Gail M.	Nurses' Numeracy and Graphical Literacy: Informing Studies of Clinical Decision Support Interfaces	2016	[143]	term “graph” is used for something different than for patient graphs	term “graph” is used for something different than for patient graphs	
Lovis, C.; Baud, R. H.; Revillard, C.; Pult, L.; Borst, F.; Geissbuhler, A.	Paragraph-oriented structure for narratives in medical documentation	2001	[144]	term “graph” is used for something different than for patient graphs	term “graph” is used for something different than for patient graphs	
Luo, Yuan; Xin, Yu; Hochberg, Ephraim; Joshi, Rohit; Uzuner, Ozlem; Szolovits, Peter	Subgraph augmented non-negative tensor factorization (SANTF) for modeling clinical narrative text	2015	[145]	term “graph” is used for something different than for patient graphs	term “graph” is used for something different than for patient graphs	
Luque-Fernandez, Miguel Angel; Zoega, Helga; Valdimarsdottir, Unnur; Williams, Michelle A.	Deconstructing the smoking-preeclampsia paradox through a counterfactual framework	2016	[146]	term “graph” is used for something different than for patient graphs	term “graph” is used for something different than for patient graphs	

Madkour, M.; Song, Hsing-yi; Du Jingcheng; Tao, C.	A representational analysis of a temporal indeterminacy display in clinical events	2016	[147]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Mandal, A. K.; Sarkar, A.	Formal representation of service interactions for SaaS based applications	2014	[148]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Margusino-Framinan, Luis; Cid-Silva, Purificacion; Mena-de-Cea, Alvaro; Sanclaudio-Luhia, Ana Isabel; Castro-Castro, Jose Antonio; Vazquez-Gonzalez, Guillermo; Martin-Herranz, Isabel	Intelligent MONitoring System for antiviral pharmacotherapy in patients with chronic hepatitis C (SiMON-VC)	2017	[149]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Markazi-Moghaddam, Nader; Arab, Mohammad; Ravaghi, Hamid; Rashidian, Arash; Khatibi, Toktam; Zargar Balaye Jame, Sanaz	A Knowledge Map for Hospital Performance Concept: Extraction and Analysis: A Narrative Review Article	2016	[150]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Martin, Gina S.; Tapsell, Linda C.; Batterham, Marijka J.; Russell, Kenneth G.	Relative bias in diet history measurements: a quality control technique for dietary intervention trials	2002	[151]	graph is not associated to an individual patient	term "graph" is used for something different than for patient graphs	
Martinez, David; Otegi, Arantxa; Soroa, Aitor; Agirre, Eneko	Improving search over Electronic Health Records using UMLS-based query expansion through random walks	2014	[152]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Martinez-Costa, Catalina; Schulz, Stefan	Validating EHR clinical models using ontology patterns	2017	[153]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Matthews, Suzanne J.	Heterogeneous Compression of Large Collections of Evolutionary Trees	2015	[154]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Mechkour, M.; Mulhem, P.; Fourel, F.; Berrut, E. F. C.	PRIME-GC. A medical information retrieval prototype on the Web	1997	[155]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Mendonça, Eneida A.; Johnson, Stephen B.; Seol, Yoon-Ho; Cimino, James J.	Analyzing the Semantics of Patient Data to Rank Records of Literature Retrieval	2002	[156]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Meystre, Stephane M.; Lee, Sanghoon; Jung, Chai Young; Chevrier, Raphael D.	Common data model for natural language processing based on two existing standard information models: CDA+GrAF	2012	[157]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Milicchio, Franco; Tradigo, Giuseppe; Veltri, Pierangelo; Prospero, Mattia	High-performance Data Structures for De Novo Assembly of Genomes: Cache Oblivious Generic Programming	2016	[158]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Mirshahi, A.; Kohnen, T.	Scientific evaluation and quality assurance in refractive surgical interventions. Evaluation of the Datagraph med computer program	2002	[159]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	

Mirzaei, Masoud; Truswell, A. Stewart; Arnett, Kathryn; Page, Andrew; Taylor, Richard; Leeder, Stephen R.	Cerebrovascular disease in 48 countries: secular trends in mortality 1950-2005	2012	[160]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Morin, Patricia; Herrmann, Francois; Ammann, Patrick; Uebelhart, Brigitte; Rizzoli, Rene	A rapid self-administered food frequency questionnaire for the evaluation of dietary protein intake	2005	[161]	graph is not associated to an individual patient	term "graph" is used for something different than for patient graphs
Moruzzi, Mauro	The new culture of dematerialized health	2014	[162]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Mossel, Elchanan; Roch, Sebastien; Steel, Mike	Shrinkage Effect in Ancestral Maximum Likelihood	2009	[163]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Mozhayskiy, Vadim; Miller, Bob; Ma, Kwan-Liu; Tagkopoulos, Ilias	A Scalable Multi-scale Framework for Parallel Simulation and Visualization of Microbial Evolution	2011	[164]	graph is not associated to an individual patient	graph is not associated to an individual patient
Muller, R.	The CliniCon framework for context representation in electronic patient records	1997	[165]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Murphy, Cynthia A.; Carstens, Kimberly; Villamayor, Precy	Electronic growth charts: watching our patients grow	2005	[166]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Mwaniki, Paul; Ayieko, Philip; Todd, Jim; English, Mike	Assessment of paediatric inpatient care during a multifaceted quality improvement intervention in Kenyan district hospitals-- use of prospectively collected case record data	2014	[167]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Myleus, Anna; Stenlund, Hans; Hernell, Olle; Gothefors, Leif; Hammarstrom, Marie-Louise; Persson, Lars-Ake; Ivarsson, Anneli	Early vaccinations are not risk factors for celiac disease	2012	[168]	graph is not associated to an individual patient	graph is not associated to an individual patient
Nagar, Anurag; Al-Mubaid, Hisham; Bettayeb, Said	Computing Gene Functional Similarity Using Combined Graphs	2012	[169]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Newell, S. D. [JR]; Englert, J.; Box-Taylor, A.; Davis, K. M.; Koch, K. E.	Clinical efficiency tools improve stroke management in a rural southern health system	1998	[170]	graph is not associated to an individual patient	term "graph" is used for something different than for patient graphs
Ng, Kenney; Ghoting, Amol; Steinhubl, Steven R.; Stewart, Walter F.; Malin, Bradley; Sun, Jimeng	PARAMO: a PARAllel predictive MOdeling platform for healthcare analytic research using electronic health records	2014	[171]	graph is not associated to an individual patient	term "graph" is used for something different than for patient graphs
Nielsen, Finn \AArup	A Fielded Wiki for Personality Genetics	2010	[172]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs

Nikfarjam, Azadeh; Emadzadeh, Ehsan; Gonzalez, Graciela	Towards generating a patient's timeline: extracting temporal relationships from clinical notes	2013	[173]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Nori, Nozomi; Kashima, Hisashi; Yamashita, Kazuto; Ikai, Hiroshi; Imanaka, Yuichi	Simultaneous Modeling of Multiple Diseases for Mortality Prediction in Acute Hospital Care	2015	[174]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Okamoto, K.; Tanaka, H.; Takemura, T.; Kume, N.; Kuroda, T.; Yoshihara, H.	A hypothesis-generating support system using medical records for clinical knowledge acquisition	2012	[175]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Orban, Kristina; Edberg, Anna-Karin; Erlandsson, Lena-Karin	Using a time-geographical diary method in order to facilitate reflections on changes in patterns of daily occupations	2012	[176]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
O'Sullivan, E. M.	International variation in the incidence of oral and pharyngeal cancer	2008	[177]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Pabón, M. C.; Montoya, G. A.; Millán, M.	Mediation and graph data models for medical data integration	2013	[178]	wrong language	no Eng
Parkin, D. Max; Ferlay, Jacques; Curado, Maria-Paula; Bray, Freddie; Edwards, Brenda; Shin, Hai-Rim; Forman, David	Fifty years of cancer incidence: CI5 I-IX	2010	[179]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Patil, R.; Karandikar, R. G.	Digital signal preservation approaches of archived biomedical paper records #x2014; A review	2016	[180]	Dublette	Dublette
Pawloski, Pamala; Cusick, Dona; Amborn, Lori	Development of clinical pharmacy productivity metrics	2012	[181]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Payne, T. H.; Andrews, R. D.; Breeling, J.; Ben Davoren, J.; Smith, R. M.; Volpp, B.	Graphing clinical events in the VA Computerized Patient Record System	1999	[182]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Pedreschi, Dino	Social Network Analytics, Data Science Ethics & Privacy-preserving Analytics	2017	[183]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Penfield, W.	Physicians take to the field	1992	[184]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Pfeiffer, Karl P.	Actual state and perspectives of e-health in Austria and international--an overview	2011	[185]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Pfundner, Alexander; Schnoeberg, Tobias; Horn, John; Boyce, Richard D.; Samwald, Matthias	Utilizing the Wikidata System to Improve the Quality of Medical Content in Wikipedia in Diverse Languages: A Pilot Study	2015	[186]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs

Poon-Chue, A.; Menendez, L.; Gerstner, M. M.; Colletti, P.; Terk, M.	MRI evaluation of post-operative seromas in extremity soft tissue sarcomas	1999	[187]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Pourriat, J. L.; Huet, B.; Gabry, A. L.; Rolland, C.; Cupa, M.	Case summaries in real-time. Accomplishments with a microcomputer	1982	[188]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Poursadegh, Mehdi; Poursadegh, Farid; Esmaeili, Majid; Bakhshaei, Mehdi	Epidemiological Survey of Sinonasal Malignancy in North-East Iran	2015	[189]	graph is not associated to an individual patient	graph is not associated to an individual patient
Powsner, S. M.; Tufte, E. R.	Summarizing clinical psychiatric data	1997	[190]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Preece, Megan H. W.; Hill, Andrew; Horswill, Mark S.; Karamatic, Rozemary; Watson, Marcus O.	Designing observation charts to optimize the detection of patient deterioration: reliance on the subjective preferences of healthcare professionals is not enough	2012	[191]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Pryor, Julie	A snapshot of rehabilitation referrals in rural New South Wales	2010	[192]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Rajagopalan, M. R.; Vellaipandian, S.	Big data framework for national E-governance plan	2013	[193]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Rakic, N.	Acute sensorineural hearing loss at the Otorhinolaryngology Department of the General Hospital in Subotica 1991-1996	1999	[194]	graph is not associated to an individual patient	term "graph" is used for something different than for patient graphs
RAMAYYA, G. P.	AXAUDIT - ANESTHETIC AUDIT SYSTEM	1992	[195]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Rassinoux, A. M.; Michel, P. A.; Wagner, J.; Baud, R.	Current trends with natural language processing	1995	[196]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Ratib, O.	From multimodality digital imaging to multimedia patient record	1994	[197]	wrong language	term "graph" is used for something different than for patient graphs
Reiz, Beata; Csato, Lehel	Bayesian Network Classifier for Medical Data Analysis	2009	[198]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Rhea, Sarah; Weber, David J.; Poole, Charles; Cairns, Charles	Risk factors for hospitalization after dog bite injury: a case-cohort study of emergency department visits	2014	[199]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Rizvi, Syed Zain R.; Fong, Philip W.L.	Interoperability of Relationship- and Role-Based Access Control	2016	[200]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs

Rizvi, Syed Zain R.; Fong, Philip W.L.; Crampton, Jason; Sellwood, James	Relationship-Based Access Control for an Open-Source Medical Records System	2015	[201]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Rocha, J.	Graph Comparison by Log-Odds Score Matrices with Application to Protein Topology Analysis	2011	[202]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Ruiz, Jorge G.; Andrade, Allen D.; Hogue, Christie; Karanam, Chandana; Akkineni, Sisir; Cevallos, David; Anam, Ramanakumar; Sharit, Joseph	The Association of Graph Literacy With Use of and Skills Using an Online Personal Health Record in Outpatient Veterans	2016	[203]	graph is not associated to an individual patient	graph is not associated to an individual patient	
Ryu, Ini; Siio, Itiro	TongueDx: A Tongue Diagnosis for Health Care on Smartphones	2014	[204]	graph is not associated to an individual patient	term "graph" is used for something different than for patient graphs	
Salinas, Oscar; Cosio, Gerardo de; Clavel-Arcas, Carme; Montoya, Jeannette; Serpas, Mario; Moran de Garcia, Silvia; Concha-Eastman, Alberto	An information system for injuries from external causes (SILEX): a successful project in El Salvador	2008	[205]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Sauleau, Erik A.; Paumier, Jean-Philippe; Buemi, Antoine	Medical record linkage in health information systems by approximate string matching and clustering	2005	[206]	graph is not associated to an individual patient	term "graph" is used for something different than for patient graphs	
Schenk, Robert J. [JR]; Schenk, Jenna	Integration of remote blood glucose meter upload technology into a clinical pharmacist medication therapy management service	2011	[207]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Schultz, S. E.; Rothwell, D. M.; Chen, Z.; Tu, K.	Identifying cases of congestive heart failure from administrative data: a validation study using primary care patient records	2013	[208]	Dublette	Dublette	
Schultz, S. E.; Rothwell, D. M.; Chen, Z.; Tu, K.	Identifying cases of congestive heart failure from administrative data: a validation study using primary care patient records	2013	[209]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Sevick, Mary Ann; Zickmund, Susan; Korytkowski, Mary; Piraino, Beth; Sereika, Susan; Mihalko, Shannon; Snetselaar, Linda; Stumbo, Phyllis; Hausmann, Leslie; Ren, Dianxu; Marsh, Rita; Sakraida, Teresa; Gibson, Jolynn; Safaien, Mehry; Starrett, Terry J.; Burke, Lora E.	Design, feasibility, and acceptability of an intervention using personal digital assistant-based self-monitoring in managing type 2 diabetes	2008	[210]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Sharit, Joseph; Lisigurski, Miriam; Andrade, Allen D.; Karanam, Chandana; Nazi, Kim M.; Lewis, James R.; Ruiz, Jorge G.	The Roles of Health Literacy, Numeracy, and Graph Literacy on the Usability of the VA's Personal Health Record by Veterans	2014	[211]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Shaverdian, Anna A.; Zhou, Hao; Michailidis, George; Jagadish, H. V.	Algebraic Visual Analysis: The Catalano Phone Call Data Set Case Study	2009	[212]	graph is not associated to an individual patient	graph is not associated to an individual patient	

Shaw, Julie L. V.; Cohen, Ashley; Konforte, Danijela; Binesh-Marvasti, Tina; Colantonio, David A.; Adeli, Khosrow	Validity of establishing pediatric reference intervals based on hospital patient data: a comparison of the modified Hoffmann approach to CALIPER reference intervals obtained in healthy children	2014	[213]	graph is not associated to an individual patient	term "graph" is used for something different than for patient graphs	
Sheridan, Joanna; Chamberlain, Kerry; Dupuis, Ann	Timelining: visualizing experience	2011	[214]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Shibuya, Tetsuo	Geometric Suffix Tree: Indexing Protein 3-D Structures	2010	[215]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Shigli, Heenakousar; Tejas, M. H.; Narayan, Lohit; Desai, Shrinivas D.	User Intervention Based Segmentation of Myocardium In Cardiac Cine MRI Images	2015	[216]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Shim, S-H; Kim, D-Y; Lee, D-Y; Lee, S-W; Park, J-Y; Lee, J. J.; Kim, J-H; Kim, Y-M; Kim, Y-T; Nam, J-H	Metabolic tumour volume and total lesion glycolysis, measured using preoperative 18F-FDG PET/CT, predict the recurrence of endometrial cancer	2014	[217]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Sills, Marion R.; Kwan, Bethany M.; Yawn, Barbara P.; Sauer, Brian C.; Fairclough, Diane L.; Federico, Monica J.; Juarez-Colunga, Elizabeth; Schilling, Lisa M.	Medical home characteristics and asthma control: a prospective, observational cohort study protocol	2013	[218]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Sim, Livvi Li Wei; Ban, Kenneth Hon Kim; Tan, Tin Wee; Sethi, Sunil Kumar; Loh, Tze Ping	Development of a clinical decision support system for diabetes care: A pilot study	2017	[219]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Sittig, Dean F.; Murphy, Daniel R.; Smith, Michael W.; Russo, Elise; Wright, Adam; Singh, Hardeep	Graphical display of diagnostic test results in electronic health records: a comparison of 8 systems	2015	[220]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
SMART, J. F.; ROUX, M.	A MODEL FOR MEDICAL KNOWLEDGE REPRESENTATION APPLICATION TO THE ANALYSIS OF DESCRIPTIVE PATHOLOGY REPORTS	1995	[221]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Sobo, E. J.; Andriese, S.; Stroup, C.; Morgan, D.; Kurtin, P.	Developing indicators for emergency medical services (EMS) system evaluation and quality improvement: a statewide demonstration and planning project	2001	[222]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Soldes, O. S.; Younger, J. G.; Hirschl, R. B.	Predictors of malignancy in childhood peripheral lymphadenopathy	1999	[223]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Sondhi, Parikshit; Sun, Jimeng; Tong, Hanghang; Zhai, ChengXiang	SympGraph: A Framework for Mining Clinical Notes Through Symptom Relation Graphs	2012	[224]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	

Sovik, Signe; Skaga, Nils Oddvar; Hanoa, Rolf; Eken, Torsten	Sudden survival improvement in critical neurotrauma: An exploratory analysis using a stratified statistical process control technique	2014	[225]	graph is not associated to an individual patient	term "graph" is used for something different than for patient graphs	
Sridhar, Srinath; Dhamdhere, Kedar; Blleloch, Guy; Halperin, Eran; Ravi, R.; Schwartz, Russell	Algorithms for Efficient Near-Perfect Phylogenetic Tree Reconstruction in Theory and Practice	2007	[226]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Stefansson, C. G.	Map analyses of psychiatric services. The application of a computerized psychiatric case register to geographical analysis	1984	[227]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Stevens, V. J.; Rossner, J.; Greenlick, M.; Stevens, N.; Frankel, H. M.; Craddick, S.	Freedom from fat: a contemporary multi-component weight loss program for the general population of obese adults	1989	[228]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Sumner, W. 2nd; Truszczynski, M.; Marek, V. W.	A formal model of family medicine	1996	[229]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Sun, Kai; Goncalves, Joana P.; Larminie, Chris; Przulj, Natasa	Predicting disease associations via biological network analysis	2014	[230]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Swartz, Susan H.; Cowan, Timothy M.; DePue, Judy; Goldstein, Michael G.	Academic profiling of tobacco-related performance measures in primary care	2002	[231]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Syalim, Amril; Nishide, Takashi; Sakurai, Kouichi	Securing Provenance of Distributed Processes in an Untrusted Environment	2012	[232]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Szeto, Lap Keung; Liew, Alan Wee-Chung; Yan, Hong; Tang, Sy-sen	Gene Expression Data Clustering and Visualization Based on a Binary Hierarchical Clustering Framework	2003	[233]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Taffe, John; Dennerstein, Lorraine	Menstrual diary data and menopausal transition: methodologic issues	2002	[234]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Techentin, R.; Foti, D.; Li, P.; Daniel, E.; Gilbert, B.; Holmes, D.; Al-Saffar, S.	Development of a Semi-synthetic Dataset as a Testbed for Big-Data Semantic Analytics	2014	[235]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Tezcan, B.; Khazaezadeh, N.; Ash, A.; Oteng-Ntim, E.	Social disparity and intrauterine death: from politics to policies	2011	[236]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Tiikkaja, Sanna; Sandin, Sven; Hultman, Christina M.; Modin, Bitte; Malki, Ninoa; Sparen, Par	Psychiatric disorder and work life: A longitudinal study of intra-generational social mobility	2016	[237]	graph is not associated to an individual patient	term "graph" is used for something different than for patient graphs	
Toner, James P.; Coddington, Charles C.; Doody, Kevin; van Voorhis, Brad; Seifer,	Society for Assisted Reproductive Technology and assisted reproductive	2016	[238]	graph is not associated to an individual patient	term "graph" is used for something different than for patient graphs	

David B.; Ball, G. David; Luke, Barbara; Wantman, Ethan	technology in the United States: a 2016 update					
Torkar, Simon; Benedik, Peter; Rajkovic, Uros; Sustersic, Olga; Rajkovic, Vladislav	Design of a Recommendation System for Adding Support in the Treatment of Chronic Patients	2016	[239]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Troszynski, Michal; Niemiec, Tomasz; Wilczynska, Anna	Assessment of three-level selective perinatal care based on the analysis of early perinatal death rates and cesarean sections in Poland in 2008	2009	[240]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Truyen Tran; Dinh Phung; Luo, Wei; Venkatesh, Svetha	Stabilized sparse ordinal regression for medical risk stratification	2015	[241]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Tukiendorf, A.	Cervix uteri cancer incidence in relation to ethnic situation in Opole province, Poland	2002	[242]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Ugon, Adrien; Philippe, Carole; Pietrasz, Slawomir; Ganascia, Jean-Gabriel; Levy, Pierre P.	OPTISAS a new method to analyse patients with Sleep Apnea Syndrome	2008	[243]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Valko, Michal; Kveton, Branislav; Valizadegan, Hamed; Cooper, Gregory F.; Hauskrecht, Milos	Conditional Anomaly Detection with Soft Harmonic Functions	2011	[244]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Vallejo, I. L.; Herrero, H. H.; Sanz, J. J.C.; Martin, J. J.D.; Azarola, E. N.	Diagnostic variability in a cohort of patients with multiple admissions in the last two decades	2003	[245]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Vani, S. N.	Appropriate technologies for mother and child health care in developing countries	1989	[246]	graph is not associated to an individual patient	term "graph" is used for something different than for patient graphs	
Vilares, M.; Ribadas, F. J.; Graña, J.	Approximately Common Patterns in Shared-forests	2001	[247]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Voskoboinik, A.; Gutman, M. J.; Croagh, D.; Bell, R.; Saunder, A.; Gribbin, J.; Kanellis, J.	Implementation and learning of laproscopic donor nephrectomy by a non-transplant general surgeon with advanced laparoscopic skills	2011	[248]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Vossler, D. G.; Am Haltiner; Schepp, S. K.; Friel, P. A.; Caylor, L. M.; Morgan, J. D.; Doherty, M. J.	Ictal stuttering - A sign suggestive of psychogenic nonepileptic seizures	2004	[249]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Vossler, D. G.; Haltiner, A. M.; Schepp, S. K.; Friel, P. A.; Caylor, L. M.; Morgan, J. D.; Doherty, M. J.	Ictal stuttering: a sign suggestive of psychogenic nonepileptic seizures	2004	[250]	Dublette	Dublette	
Vranken, R.; Coulombier, D.; Kenyon, T.; Koosimile, B.; Mavunga, T.; Coggin, W.; Binkin, N.	Use of a computerized tuberculosis register for automated generation of case finding,	2002	[251]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	

	sputum conversion, and treatment outcome reports					
Walley, J. D.; McDonald, M.	Integration of mother and child health services in Ethiopia	1991	[252]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Wang, Zheng; Chakraborty, Prithwish; Mekaru, Sumiko R.; Brownstein, John S.; Ye, Jieping; Ramakrishnan, Naren	Dynamic Poisson Autoregression for Influenza-Like-Illness Case Count Prediction	2015	[253]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Wang, Jason Tsong-Li; Chirn, Gung-Wei; Marr, Thomas G.; Shapiro, Bruce; Shasha, Dennis; Zhang, Kaizhong	Combinatorial Pattern Discovery for Scientific Data: Some Preliminary Results	1994	[254]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Wang, Jason Tsong-Li; Chirn, Gung-Wei; Marr, Thomas G.; Shapiro, Bruce; Shasha, Dennis; Zhang, Kaizhong	Combinatorial Pattern Discovery for Scientific Data: Some Preliminary Results	1994	[255]	Dublette	From multimodality digital imaging to multimedia patient record/ dupl	
Wang, Biing-Feng; Lin, Chien-Hsin; Yang, I-Tse	Constructing a Gene Team Tree in Almost $O(N \lg N)$ Time	2014	[256]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Wang, X.; Wang, F.; Wang, J.; Qian, B.; Hu, J.	Exploring Patient Risk Groups with Incomplete Knowledge	2013	[257]	graph is not associated to an individual patient	graph is not associated to an individual patient	
Welch, Janet L.; Siek, Katie A.; Connelly, Kay H.; Astroth, Kim S.; McManus, M. Sue; Scott, Linda; Heo, Seongkum; Kraus, Michael A.	Merging health literacy with computer technology: self-managing diet and fluid intake among adult hemodialysis patients	2010	[258]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
White, D.; Choi, H.; Peloquin, C.; Zhu, Y.; Zhang, Y.	Secular trend of adhesive capsulitis	2011	[259]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Wilhelms, Jane; van Gelder, Allen	Octrees for Faster Isosurface Generation	1992	[260]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Winter, Alfred; Brigl, Birgit; Funkat, Gert; Haeber, Anke; Heller, Oliver; Wendt, Thomas	3LGM(2)-Modeling to support management of health information systems	2007	[261]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Wongsuphasawat, Krist; Gotz, David	Exploring Flow, Factors, and Outcomes of Temporal Event Sequences with the Outflow Visualization	2012	[262]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
Wu, Taoyang; Moulton, Vincent; Steel, Mike	Refining Phylogenetic Trees Given Additional Data: An Algorithm Based on Parsimony	2009	[263]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	
WU, Yubao; Zhu, Xiaofeng; Li, Li; Fan, Wei; Jin, Ruoming; Zhang, Xiang	Mining Dual Networks: Models, Algorithms, and Applications	2016	[264]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs	

Xie, W.; Wu, J.	Mining positive and negative weighted association rules in medical records without user-specified weights based on HITS model	2010	[265]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Xie, C.; Yang, P.; Yang, Y.	Open Knowledge Accessing Method in IoT-based Hospital Information System for Medical Record Enrichment	2018	[266]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Yamin, A.; Khan, S. A.; Yasin, U. U.	Automated system of hess screen for diagnosis of paralytic strabismus using computer aided diagnosis	2013	[267]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Yoon, Sunmoo; Cohen, Bevin; Cato, Kenrick D.; Liu, Jianfang; Larson, Elaine L.	Visualization of Data Regarding Infections Using Eye Tracking Techniques	2016	[268]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Yoon, Dukyong; Park, Inwhee; Schuemie, Martijn J.; Park, Man Young; Kim, Ju Han; Park, Rae Woong	A quantitative method for assessment of prescribing patterns using electronic health records	2013	[269]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Zamora, M.; Baradad, M.; Amado, E.; Cordero, S.; Limón, E.; Ribera, J.; Arias, M.; Gavaldà, R.	Characterizing chronic disease and polymedication prescription patterns from electronic health records	2015	[270]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Zenios, S.	Information Technology in Health Care Systems: Barriers to Adoption	2006	[271]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Zhang, He; Mehotra, Sanjay; Liebovitz, David; Gunter, Carl A.; Malin, Bradley	Mining Deviations from Patient Care Pathways via Electronic Medical Record System Audits	2013	[272]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Zhang, Ming; Zhang, Hong; Tjandra, D.; Wong, S. T. C.	DBMap: a space-conscious data visualization and knowledge discovery framework for biomedical data warehouse	2004	[273]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Zhao, Sendong	Mining Medical Causality for Diagnosis Assistance	2017	[274]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Zheng, Ziwei; Wan, Xiaojun	Graph-Based Multi-Modality Learning for Clinical Decision Support	2016	[275]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Zirkind, Givon	Genetic Database Optimization: How Data Inspection and Consideration, Provides for Index Compression and Record Access Optimization of Genetic Databases	2006	[276]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
ZWEIGENBAUM, P.	MENELAS - AN ACCESS SYSTEM FOR MEDICAL RECORDS USING NATURAL-LANGUAGE	1994	[277]	term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs

Albarakati, N.; Obradovic, Z.	Disease-Based Clustering of Hospital Admission: Disease Network of Hospital Networks Approach	2017	[278]	graph is not associated to an individual patient		term "graph" is used for something different than for patient graphs
Andersen, A.	An implementation of secure multi-party computations to preserve privacy when processing EMR data	2013	[279]	term "graph" is used for something different than for patient graphs		term "graph" is used for something different than for patient graphs
Andersen, Anders	SNOOP: Privacy Preserving Middleware for Secure Multi-party Computations	2014	[280]	term "graph" is used for something different than for patient graphs		term "graph" is used for something different than for patient graphs
Andersen, A.; Yigzaw, K. Y.; Karlsen, R.	Privacy preserving health data processing	2014	[281]	term "graph" is used for something different than for patient graphs		term "graph" is used for something different than for patient graphs
Brunson, Jason Cory; Laubenbacher, Reinhard C.	Applications of network analysis to routinely collected health care data: a systematic review	2018	[282]	term "graph" is used for something different than for patient graphs		term "graph" is used for something different than for patient graphs
Chen, Jinpeng; Poon, Josiah; Poon, Simon K.; Xu, Ling; Sze, Daniel M. Y.	Mining Symptom-Herb Patterns from Patient Records Using Tripartite Graph	2015	[283]	graph is not associated to an individual patient		graph is not associated to an individual patient
Finney, John M.; Walker, A. Sarah; Peto, Tim E. A.; Wyllie, David H.	An efficient record linkage scheme using graphical analysis for identifier error detection	2011	[284]	graph is not associated to an individual patient		graph is not associated to an individual patient
Goodwin, Travis R.; Harabagiu, Sanda M.	Medical Question Answering for Clinical Decision Support	2016	[285]	graph is not associated to an individual patient		graph is not associated to an individual patient
Goodwin, Travis R.; Harabagiu, Sanda M.	Knowledge Representations and Inference Techniques for Medical Question Answering	2018	[286]	graph is not associated to an individual patient		graph is not associated to an individual patient
Hanzlicek, Petr; Spidlen, Josef; Heroutova, Helena; Nagy, Miroslav	User interface of MUDR electronic health record	2005	[287]	term "graph" is used for something different than for patient graphs		term "graph" is used for something different than for patient graphs
Herskovic, Jorge R.; Subramanian, Devika; Cohen, Trevor; Bozzo-Silva, Pamela A.; Bearden, Charles F.; Bernstam, Elmer V.	Graph-based signal integration for high-throughput phenotyping	2012	[288]	term "graph" is used for something different than for patient graphs		term "graph" is used for something different than for patient graphs
Honglan, L.; Xiaona, Q.; Bin, F.	The Symptoms and Pathogenesis Entity Recognition of TCM Medical Records Based on CRF	2015	[289]	term "graph" is used for something different than for patient graphs		term "graph" is used for something

						different than for patient graphs
Huet, B.; Artigou, J. Y.; Poirier, J.; Blain, G.	Meta-modelling: the appropriate solution for a family of applications	2001	[290]	term "graph" is used for something different than for patient graphs		term "graph" is used for something different than for patient graphs
Huet, B.; Pourriat, J. L.; Martin, J.; Cupa, M.	An automaton computer program for a microcomputerized real-time (thesaurus based) abstract medical record	1982	[291]	term "graph" is used for something different than for patient graphs		term "graph" is used for something different than for patient graphs
Jeunemaitre, X.; Degoulet, P.; Morice, V.; Chatellier, G.; Devries, C.; Plouin, P. F.; Boisvieux, J. F.; Menard, J.	Testing an expert system for hypertension	1986	[292]	term "graph" is used for something different than for patient graphs		term "graph" is used for something different than for patient graphs
Ji, Xiang; Ae Chun, Soon; Geller, James	Predicting Comorbid Conditions and Trajectories using Social Health Records	2016	[293]	term "graph" is used for something different than for patient graphs		graph is not associated to an individual patient
Kavuluru, Ramakanth; Han, Sifei; Harris, Daniel	Unsupervised Extraction of Diagnosis Codes from EMRs Using Knowledge-Based and Extractive Text Summarization Techniques	2013	[294]	graph is not associated to an individual patient		term "graph" is used for something different than for patient graphs
Kerschberger, Bernhard; Hilderbrand, Katherine; Boule, Andrew M.; Coetzee, David; Goemaere, Eric; Azevedo, Virginia de; van Cutsem, Gilles	The effect of complete integration of HIV and TB services on time to initiation of antiretroviral therapy: a before-after study	2012	[295]	graph is not associated to an individual patient		graph is not associated to an individual patient
Koopman, Bevan	Semantic Search As Inference: Applications in Health Informatics	2014	[296]	graph is not associated to an individual patient		general essay, no specific data example
Koopman, Bevan; Zuccon, Guido; Bruza, Peter; Sitbon, Laurianne; Lawley, Michael	Graph-based Concept Weighting for Medical Information Retrieval	2012	[297]	graph is not associated to an individual patient		graph is not associated to an individual patient
Mondal, S.; Mukherjee, N.	Mobile-assisted remote healthcare delivery	2016	[298]	term "graph" is used for something different than for patient graphs		graph is not associated to an individual patient
Monsen, Karen A.; Banerjee, Arindam; Das, Puja	Discovering client and intervention patterns in home visiting data	2010	[299]	term "graph" is used for something different than for patient graphs		graph is not associated to an individual patient
Muller, R.; Sergl, M.; Nauerth, U.; Schoppe, D.; Pommerening, K.; Dittrich, H. M.	THEMPO: a knowledge-based system for therapy planning in pediatric oncology	1997	[300]	term "graph" is used for something different than for patient graphs		graph is not associated to an individual patient
Ni, J.; Fei, H.; Fan, W.; Zhang, X.	Automated Medical Diagnosis by Ranking Clusters Across the Symptom-Disease Network	2017	[301]	term "graph" is used for something different than for patient graphs		graph is not associated to an individual patient

O'Neil, M.; Payne, C.; Read, J.	Read Codes Version 3: a user led terminology	1995	[302]	term "graph" is used for something different than for patient graphs		graph is not associated to an individual patient
Pietrzyk, P. M.	Free text analysis	1995	[303]	term "graph" is used for something different than for patient graphs		general essay, no specific data example
Săcărea, C.; Şotropa, D.; Troancă, D.	Symptoms investigation by means of formal concept analysis for enhancing medical diagnoses	2017	[304]	graph is not associated to an individual patient		graph is not associated to an individual patient
Soulakis, Nicholas D.; Carson, Matthew B.; Lee, Young Ji; Schneider, Daniel H.; Skeeahan, Connor T.; Scholtens, Denise M.	Visualizing collaborative electronic health record usage for hospitalized patients with heart failure	2015	[305]	term "graph" is used for something different than for patient graphs		graph is not associated to an individual patient
Zhang, Zhaoyang; Wang, Honggang; Wang, Chonggang; Fang, Hua	Cluster-based Epidemic Control Through Smartphone-based Body Area Networks	2015	[306]	graph is not associated to an individual patient		graph is not associated to an individual patient
Adamusiak, Tomasz; Shimoyama, Naoki; Shimoyama, Mary	Next generation phenotyping using the unified medical language system	2014	[307]		No graph mentioned	graph is not associated to an individual patient
Alvarez, Jose Mar\`ia; Polo, Luis; Jimenez, Weena; Abella, Pablo; Labra, Jose Emilio	Application of the Spreading Activation Technique for Recommending Concepts of Well-known Ontologies in Medical Systems	2011	[308]		Not associated with patient	graph is not associated to patient data but to spoken language about a patient
Antonakakis, Marios; Dimitriadis, Stavros I.; Zervakis, Michalis; Micheloyannis, Sifis; Rezaie, Roozbeh; Babajani-Feremi, Abbas; Zouridakis, George; Papanicolaou, Andrew C.	Altered cross-frequency coupling in resting-state MEG after mild traumatic brain injury	2016	[309]		Not used for patient data in general but brain regions	graph is not associated to patient data but to spoken language about a patient
Arantes, W. Manzi de; Verdier, C.	Public health alert system for health networks: application to cardiology	2005	[310]		Not used for patient data directly	graph is not associated to patient data but to spoken language about a patient
Athreya, A. P.; Ngiam, K. Y.; Luo, Z.; Tai, E. S.; Kalbarczyk, Z.; Iyer, R. K.	Towards Longitudinal Analysis of a Population's Electronic Health Records Using Factor Graphs	2016	[311]		Pupulation data, not individuals	graph is not associated to an individual patient
Dhulekar, Nimit; Oztan, Basak; Yener, Bülent; Bingol, Haluk O.; Irim, Gulcin; Aktekin, Berrin; Aykut-Bingöl, Canan	Graph-theoretic Analysis of Epileptic Seizures on Scalp EEG Recordings	2014	[312]		no patient data in general, only eeg	graph is not associated to patient data but to spoken language about a patient
Frazier, George F.	An Incremental Algorithm for Building Temporal Quadrees	1993	[313]		no patient data	term "graph" is used for something

						different than for patient graphs
Gerson, C. D.; Gerson, M-J	Technical report: an ePRO patient reported outcome program for the evaluation of patients with irritable bowel syndrome	2014	[314]		graph as visualization	term "graph" is used for something different than for patient graphs
Ghosh, Priyanka; Kalyanaraman, Ananth	A Fast Sketch-based Assembler for Genomes	2016	[315]		no patient data but gene assembly	term "graph" is used for something different than for patient graphs
Gopakumar, Shivapratap; Tran, Truyen; Nguyen, Tu Dinh; Phung, Dinh; Venkatesh, Svetha	Stabilizing high-dimensional prediction models using feature graphs	2015	[316]		no data of individual patients	graph is not associated to an individual patient
Heer, Jeffrey; Perer, Adam	Orion: A system for modeling, transformation and visualization of multidimensional heterogeneous networks	2014	[317]		no data of individual patients	graph is not associated to an individual patient
Jing, X.; Cimino, J. J.	A complementary graphical method for reducing and analyzing large data sets. Case studies demonstrating thresholds setting and selection	2014	[318]		no graph representation of data but graph reduction	Only a converter for semantic data representation database
Jupin, Joseph; Shi, Justin Y.	Identity Tracking in Big Data: Preliminary Research Using In-Memory Data Graph Models for Record Linkage and Probabilistic Signature Hashing for Approximate String Matching in Big Health and Human Services Databases	2014	[319]		no graph representation of data but record linkage	general essay, no specific data example
Lieberman, Michael D.; Taheri, Sima; Guo, whatever; Mirrashed, Fatemeh; Yahav, Inbal; Aris, Aleks; Shneiderman, Ben	Visual Exploration Across Biomedical Databases	2011	[320]		graph as visualization	term "graph" is used for something different than for patient graphs
Luz, Saturnino; Kane, Bridget	Classification of Patient Case Discussions Through Analysis of Vocalisation Graphs	2009	[321]		term "graph" is used for something different than for patient graphs	graph is not associated to patient data but to spoken language about a patient
Mattson, Donald C.; Yang, Jing	The Child Therapy Tracking System (CTTS): A model for an expressive therapy electronic health record (EHR)	2013	[322]		term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Muller, R.	The CliniCon framework for context representation in electronic patient records	1997	[323]		term "graph" is used for something different than for patient graphs	graph is not associated to an individual patient

Noren, G. Niklas; Hopstadius, Johan; Bate, Andrew; Star, Kristina; Edwards, I. Ralph	Temporal pattern discovery in longitudinal electronic patient records	2010	[324]		graph is not associated to an individual patient	term "graph" is used for something different than for patient graphs
Nose, Y.; Akazawa, K.; Watanabe, Y.; Yokota, M.; Okamura, S.; Maehara, Y.; Sugimachi, K.	Cancer registration using case history database in hospital information system	1988	[325]		term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Ogushi, Y.; Haruki, Y.; Okada, Y.; Takahashi, M.; Shimizu, M.; Izumi, Y.; Watabe, T.; Kobayashi, S.; Okuyama, J.; Kurita, Y.	Development and evaluation of regional health database systems	1998	[326]		term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Oladimeji, Ebenezer A.; Chung, Lawrence; Jung, Hyo Taeg; Kim, Jaehyoun	Managing Security and Privacy in Ubiquitous eHealth Information Interchange	2011	[327]		term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Onimura, N.; Yamashita, T.; Nakayama, N.; Soejima, H.; Hirokawa, S.	Generation of Sentence Template Graph from SOAP Format Medical Documents	2016	[328]		graph is not associated to an individual patient	term "graph" is used for something different than for patient graphs
Oshiro, Tatsuo; Oshiro, Hisako; Tanimizu, Masahito	Effective methods of organizing complex information in advanced cancer patients	2014	[329]		graph is not associated to an individual patient	term "graph" is used for something different than for patient graphs
Osop, H.; Sahama, T.	Electronic health records: Improvement to healthcare decision-making	2016	[330]		graph is not associated to an individual patient	term "graph" is used for something different than for patient graphs
Poscia, Roberto; Ghio, Stefano; D'Alto, Michele; Vitulo, Patrizio; Mule, Massimiliano; Albera, Carlo; Parisi, Francesco; Badagliacca, Roberto; Fedele, Francesco; Vizza, Carmine Dario	'Real-life' information on pulmonary arterial hypertension: the iPHnet Project	2014	[331]		term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Staubert, S.; Schaaf, M.; Jahn, F.; Brandner, R.; Winter, A.	Modeling Interoperable Information Systems with 3LGM(2) and IHE	2015	[332]		term "graph" is used for something different than for patient graphs	term "graph" is used for something different than for patient graphs
Techentin, R.; Sauver, J. S.; Huddleston, J.; Gilbert, B.; Holmes, D.	Lessons learned from the semantic translation of healthcare data	2014	[333]		graph is not associated to an individual patient	Only a converter for semantic data representation database

Whyatt, Caroline P.; Torres, Elizabeth B.	The Social-dance: Decomposing Naturalistic Dyadic Interaction Dynamics to the 'Micro-level'	2017	[334]		graph is not associated to an individual patient	graph is not associated to an individual patient
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