

Disease entities referenced in the paper: "KG2ML: Integrating Knowledge Graphs and Positive Unlabeled Learning for Identifying Disease-Associated Genes".

The Data Distillery Knowledge Graph (DDKG) integrates concepts from multiple biomedical ontologies and vocabularies, including the National Library of Medicine's Unified Medical Language System (UMLS). UMLS combines over 100 controlled vocabularies and classifications, covering areas like patient records, disease classification, and diagnostic systems. As the largest biomedical thesaurus, it categorizes concepts by semantic type and defines both hierarchical and non-hierarchical relationships. Each concept is assigned a permanent Concept Unique Identifier (CUI), ensuring consistent reference even as associated names evolve. This integration enhances the understanding of biomedical knowledge for research and healthcare.

The diseases discussed in the KG2ML manuscript, along with their unique identifiers, the full names of the data repositories, and direct web links, are provided in the table below:

Disease	Unique Identifiers (CUI)	Source	Weblink
Bipolar Disorder	C0005586 , C0236780	UMLS Metathesaurus	https://uts.nlm.nih.gov/uts/umls/concept/C0005586 https://uts.nlm.nih.gov/uts/umls/concept/C0236780
Coronary Artery Disease	C0010068	UMLS Metathesaurus	https://uts.nlm.nih.gov/uts/umls/concept/C0010068
Diabetes Mellitus	C0011849 , C0011860 , C0011854	UMLS Metathesaurus	https://uts.nlm.nih.gov/uts/umls/concept/C0011849 https://uts.nlm.nih.gov/uts/umls/concept/C0011860 https://uts.nlm.nih.gov/uts/umls/concept/C0011854
Diabetic Neuropathies	C0011882	UMLS Metathesaurus	https://uts.nlm.nih.gov/uts/umls/concept/C0011882

Hodgkin Disease	C0019829	UMLS Metathesaurus	https://uts.nlm.nih.gov/uts/umls/concept/C0019829
Hyperaldosteronism	C0020428	UMLS Metathesaurus	https://uts.nlm.nih.gov/uts/umls/concept/C0020428
Kidney Failure	C0035078	UMLS Metathesaurus	https://uts.nlm.nih.gov/uts/umls/concept/C0035078
Malaria	C0024530	UMLS Metathesaurus	https://uts.nlm.nih.gov/uts/umls/concept/C0024530
Parkinson Disease	C0030567	UMLS Metathesaurus	https://uts.nlm.nih.gov/uts/umls/concept/C0030567
Pulmonary Edema	C0034063	UMLS Metathesaurus	https://uts.nlm.nih.gov/uts/umls/concept/C0034063
Raynaud Disease	C0034734	UMLS Metathesaurus	https://uts.nlm.nih.gov/uts/umls/concept/C0034734
Schizophrenia	C0036341	UMLS Metathesaurus	https://uts.nlm.nih.gov/uts/umls/concept/C0036341