

Resource Summary Report

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Type 1 Diabetes Knowledge Portal

RRID:SCR_020936

Type: Tool

Proper Citation

Type 1 Diabetes Knowledge Portal (RRID:SCR_020936)

Resource Information

URL: <https://t1d.hugeamp.org>

Proper Citation: Type 1 Diabetes Knowledge Portal (RRID:SCR_020936)

Description: Portal for providing data and tools to promote understanding and treatment of type 1 diabetes and its complications. Enables browsing, searching, and analysis of human genetic information linked to type 1 diabetes and related traits, while protecting integrity and confidentiality of underlying data. Represents effort to coordinate collection and deposition of genomic and epigenomic data related to type 1 diabetes and its complications.

Abbreviations: T1DKP

Synonyms: T1D Knowledge Portal

Resource Type: data or information resource, data repository, data set, database, disease-related portal, portal, service resource, storage service resource, topical portal

Keywords: Type 1 diabetes data, type 1 diabetes data collection, type 1 diabetes data deposition, type 1 diabetes genomic data, type 1 diabetes epigenomic data, Diabetes, type 1 diabetes

Related Condition: Type 1 diabetes, Diabetes

Availability: Free, Freely available

Resource Name: Type 1 Diabetes Knowledge Portal

Resource ID: SCR_020936

Record Creation Time: 20220129T080352+0000

Record Last Update: 20260912T195948+0000

Ratings and Alerts

No rating or validation information has been found for Type 1 Diabetes Knowledge Portal.

No alerts have been found for Type 1 Diabetes Knowledge Portal.

Data and Source Information

Source: [SciCrunch Registry](#)

Usage and Citation Metrics

We found 18 mentions in open access literature.

Listed below are recent publications. The full list is available at [SPARC SAWG](#) .

Syreeni A, et al. (2026) Blood DNA methylation markers are associated with diabetic kidney disease progression in type 1 diabetes. *Diabetologia*, 69(5), 1317.

Hu X, et al. (2025) Genome-wide mapping of complement system proteins for islet autoimmunity in the DAISY and TEDDY children. *Research square*.

Hu X, et al. (2025) Genetic mapping of complement system proteins for islet autoimmunity in children with high risk of T1D. *Communications biology*, 8(1), 1366.

Dos Santos T, et al. (2025) Altered immune and metabolic molecular pathways drive islet cell dysfunction in human type 1 diabetes. *The Journal of clinical investigation*, 135(23).

Luckett AM, et al. (2025) Genetic risk in extremely early onset type 1 diabetes. *medRxiv* : the preprint server for health sciences.

Onengut-Gumuscu S, et al. (2025) Type 1 Diabetes Genetics Consortium. *The Journal of clinical endocrinology and metabolism*, 110(6), 1505.

Tutino M, et al. (2025) Genetics of circulating proteins in newborn babies at high risk of type 1 diabetes. *Nature communications*, 16(1), 3750.

Shapiro MR, et al. (2025) Leveraging artificial intelligence and machine learning to accelerate discovery of disease-modifying therapies in type 1 diabetes. *Diabetologia*, 68(3), 477.

Guertin KA, et al. (2024) Implementation of type 1 diabetes genetic risk screening in children in diverse communities: the Virginia PrIMeD project. *Genome medicine*, 16(1), 31.

Kudtarkar P, et al. (2023) Leveraging type 1 diabetes human genetic and genomic data in the T1D knowledge portal. *PLoS biology*, 21(8), e3002233.

Iakovliev A, et al. (2023) Genome-wide aggregated trans-effects on risk of type 1 diabetes: A test of the "omnigenic" sparse effector hypothesis of complex trait genetics. *American journal of human genetics*, 110(6), 913.

He M, et al. (2023) A Mendelian randomization study on causal effects of 25(OH) vitamin D levels on diabetic nephropathy. *BMC nephrology*, 24(1), 192.

Kudtarkar P, et al. (2023) Leveraging type 1 diabetes human genetic and genomic data in the T1D Knowledge Portal. *bioRxiv* : the preprint server for biology.

Luckett AM, et al. (2023) Utility of genetic risk scores in type 1 diabetes. *Diabetologia*, 66(9), 1589.

Bouland GA, et al. (2022) Diabetes risk loci-associated pathways are shared across metabolic tissues. *BMC genomics*, 23(1), 368.

Ochsner SA, et al. (2022) Transcriptional regulatory networks of circulating immune cells in type 1 diabetes: A community knowledgebase. *iScience*, 25(7), 104581.

Robertson CC, et al. (2021) Fine-mapping, trans-ancestral and genomic analyses identify causal variants, cells, genes and drug targets for type 1 diabetes. *Nature genetics*, 53(7), 962.

Kim SS, et al. (2021) A comprehensive integrated post-GWAS analysis of Type 1 diabetes reveals enhancer-based immune dysregulation. *PloS one*, 16(9), e0257265.