Cohort Diagnostics Phenotype Library

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The phenotype of Type 2 Diabetes Mellitus

Overview: Type 2 DM accounts for 90% of all DM, and the generic use of Diabetes Mellitus almost always refers to Type 2. It is hyperglycemia and related complications usually due to progressive loss of insulin secretion from the pancreatic beta cells with background of insulin resistance. It is a state of 'relative' insulin deficiency - where insulin even when present may be less effective due to resistance.

Presentation: The classic symptoms of hyperglycemia (including polyuria, polydipsia, nocturia, blurred vision, and weight loss), but these are most observed in retrospect with most common mode of diagnosis is screening in asymptomatic patients or seeking emergency care for hyperosmolar hyperglycemic state without ketoacidosis.

Assessment: Oral glucose tolerance test and HbA1c, fasting blood glucose, lipid, liver function tests

Plan: Initial management is to achieve normoglycemic state with lifestyle modification - weight, diet. Metformin is commonly recommended first line, but treatment choices vary with presence of other risk factors. Progression may lead to dependence on insulin.

Prognosis: Life-long disease that is amenable and if not well managed may lead complications.

A Suite of Data diagnostics

Descriptive statistics that provide insight on the performance of multiple cohort definitions when applied across data sources

Cohort Counts
"Magnitude of difference"

Incidence Rate
"Baseline expectation"

Time distribution
"Before, During or After"

Index breakdown
"Triggered entry"

Visit Context
"Patients care setting"

Cohort Overlap
"Common vs Different"

Temporal characterization
"Before, on the day of, after"

OHDSI Phenotype Library: Add a phenotype

OHDSI Phenotype Library is an open community resource maintained by the OHDSI community to support phenotype development, evaluation, sharing and re-use. The Phenotype Library is maintained by community librarians - volunteer collaborators who are curating the content contributed by the rest of the community to ensure it appropriately organized and conforms to community library standards.

'Add a phenotype' should be completed if you are interested in submitting a new phenotype to the library. The minimum required elements to contribute a new phenotype are: 1) Phenotype Name, 2) Clinical Description, 3) At least one cohort definition, with logical description and JSON specification, 4) at least one Cohort Diagnostics resultset from a database.

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* Required

1. Contributor name *

Enter your answer

OHDSI Phenotype Library: Add a cohort definition

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'Add a cohort definition' should be completed if you are interested in submitting a new cohort definition to an existing phenotype within the OHDSI Phenotype Library. The minimum required elements to contribute a new cohort definition are: 1) Cohort Definition Name, 2) Existing Phenotype Name, 3) Logical Description, 4) JSON Specification, 5) at least one Cohort Diagnostics resultset from a database.

* Required

1. Contributor Name *

Enter your answer

OHDSI Phenotype Library: Add diagnostics

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'Add diagnostics' should be completed if you are interested in submitting new diagnostics results to an existing Phenotype/Cohort Definition in the OHDSI Phenotype Library.

* Required

1. Contributor name *

Enter your answer

OHDSI Phenotype Library: Add insights

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'Add insights' should be completed if you are interested in submitting new insight or information to an existing Phenotype/Cohort Definition in the OHDSI Phenotype Library.

* Required

1. Contributor name *

Enter your answer