VALIDATION OF THE FH eALGORITHM IN THE GEISINGER HEALTH SYSTEM

Primary Validation Site

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POPULATION:
A random set of 50 individuals (25 cases and 25 controls) was sampled from a total of 1274 individuals from the Geisinger Medical Center.

During the execution and implementation period, December 2016 to February 2017, an Epic electronic health record system was utilized in GHS.

As a result of execution of the eAlgorithm in the system following changes to the pseudocode were incorporated:

- Addition of the "late 60s IF in females || late 50s IF in males" to exclusion terms (Table 5G).

- Term "disorders" was added to the generic keywords (Table 5A) for the EHR systems with a structured family history section.

- In selected cases based on the adopted strategy to record encounters in the index implementation center, search space for the family history of early-onset ASCVD could be expanded to the "Personal|Past Medical History".

- EHRs structured to have "historical" sections/references: since information captured in these sections is not verified by the healthcare provider, and has no order or identifiable date of initiation, when possible opt out from using it.