## **Resource Summary Report**

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# **NHash Identifier**

RRID:SCR\_025313

Type: Tool

### **Proper Citation**

NHash Identifier (RRID:SCR\_025313)

#### Resource Information

URL: https://medinform.jmir.org/2015/4/e35

**Proper Citation:** NHash Identifier (RRID:SCR\_025313)

**Description:** Algorithm for generating unique study identifiers in distributed and validatable fashion, in multicenter research. Light-weight, block chain style resource identifier generation for tracking resource linkage, provenance, utilization, and visualization. NHash has unique set of properties: (1) it is a pseudonym serving the purpose of linking research data about study participant for research purposes; (2) it can be generated automatically in completely distributed fashion with virtually no risk for identifier collision; (3) it incorporates set of cryptographic hash functions based on N-grams, with combination of additional encryption techniques such as shift cipher; (d) it is validatable (error tolerant) in the sense that inadvertent edit errors will mostly result in invalid identifiers.

Synonyms: Randomized N-gram Hashing Identifier

**Resource Type:** software resource, algorithm resource

**Defining Citation: PMID:26554419** 

Keywords: Identifier, data provenance, resource tracking, management, visualization,

BRAIN Initiative Cell Atlas Network.

Funding: NINDS U01NS090408;

NINDS U01NS090405; NCATS UL1TR000117

Availability: Free, Freely available

Resource Name: NHash Identifier

Resource ID: SCR\_025313

**Record Creation Time:** 20240509T053236+0000

**Record Last Update:** 20250420T020238+0000

### Ratings and Alerts

No rating or validation information has been found for NHash Identifier.

No alerts have been found for NHash Identifier.

#### **Data and Source Information**

Source: SciCrunch Registry

## **Usage and Citation Metrics**

We have not found any literature mentions for this resource.