

# Exclude articles not relevant to EHR-based automated phenotyping

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After merged articles of PubMed and Web of Sciences by `1-merging.rmd`, there are 852 papers.

Table 1: Number of papers included after merging papers from two database

Source	n
	2
Both	510
PubMed	205
WoS	135
Total	852

We annotated based on the `annotations050822.csv` file. Our analysis consists of 3 steps:

- **Screen for title and abstract** and exclude the papers by our inclusion or exclusion criteria.
- **Screen for full-text** and exclude the papers by the same inclusion and exclusion criteria.
- **Include relevant papers** that are cited by papers in our pool or we encountered in our previous work.

Table 2: Number of papers excluded

Primary reason for exclusion	Title and abstract review	Full-text review	Total
Not phenotyping	545	62	607
Not using EHR	37	5	42
Not using ML	6	40	46
Review/Perspective/Editorial	54	0	54
Total	642	107	749

We also report the number of papers removed in Table 3.

Table 3: Number of paper removed and added

Process	Number of papers removed	Number of papers added	Number of paeprs remained
Before screening	0	0	852
Title and abstract review	642	0	210
Full-text review	107	0	103