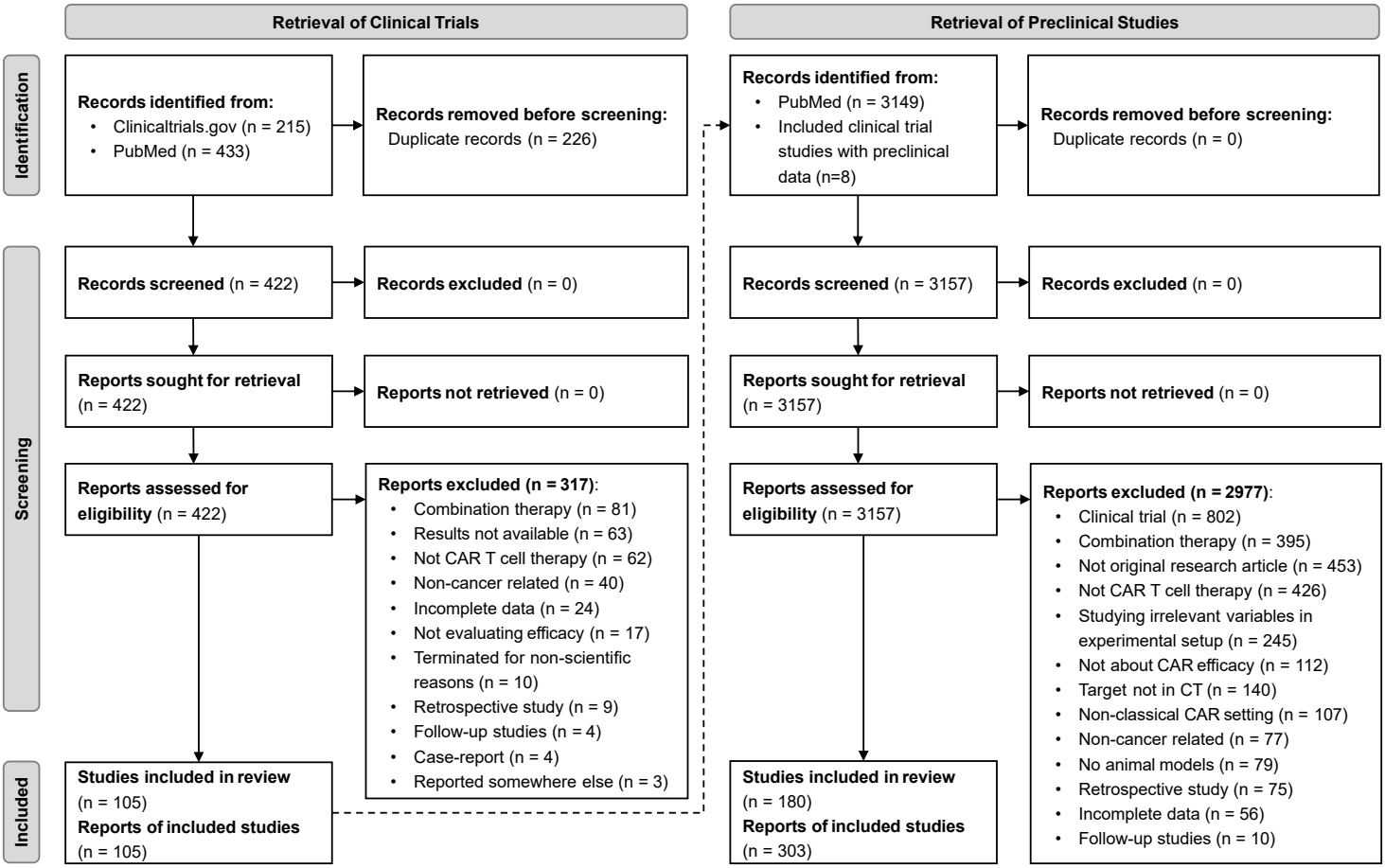
# Figure 1


Retrieval of Clinical Trials
Retrieval of Preclinical Studies
Identification
Screening
Included
Records identified from:
• Clinicaltrials.gov (n = 215)
• PubMed (n = 433)
Records removed before screening:
Duplicate records (n = 226)
Records identified from:
• PubMed (n = 3149)
• Included clinical trial studies with preclinical data (n=8)
Records removed before screening:
Duplicate records (n = 0)
Records screened (n = 422)
Records excluded (n = 0)
Records screened (n = 3157)
Records excluded (n = 0)
Reports sought for retrieval (n = 422)
Reports not retrieved (n = 0)
Reports sought for retrieval (n = 3157)
Reports not retrieved (n = 0)
Reports assessed for eligibility (n = 422)
Reports excluded (n = 317):
• Combination therapy (n = 81)
• Results not available (n = 63)
• Not CAR T cell therapy (n = 62)
• Non-cancer related (n = 40)
• Incomplete data (n = 24)
• Not evaluating efficacy (n = 17)
• Terminated for non-scientific reasons (n = 10)
• Retrospective study (n = 9)
• Follow-up studies (n = 4)
• Case-report (n = 4)
• Reported somewhere else (n = 3)
Reports assessed for eligibility (n = 3157)
Reports excluded (n = 2977):
• Clinical trial (n = 802)
• Combination therapy (n = 395)
• Not original research article (n = 453)
• Not CAR T cell therapy (n = 426)
• Studying irrelevant variables in experimental setup (n = 245)
• Not about CAR efficacy (n = 112)
• Target not in CT (n = 140)
• Non-classical CAR setting (n = 107)
• Non-cancer related (n = 77)
• No animal models (n = 79)
• Retrospective study (n = 75)
• Incomplete data (n = 56)
• Follow-up studies (n = 10)
Studies included in review (n = 105)
Reports of included studies (n = 105)
Studies included in review (n = 180)
Reports of included studies (n = 303)