

**Table S3.** Cochrane Search Strategy for Manuscripts (July 25, 2023)

Search	Query	Results
#13	#8 AND #12 with Publication Year from 2013 to 2023, in Trials	182
#12	#9 OR #10 OR #11	18,295
#11	"3 PPT" OR "A49G" OR "A539V" OR "A556T" OR "CRF14" OR "D232N" OR "E138A" OR "E138K" OR "E138T" OR "E147Q2" OR "E157Q" OR "E92G" OR "E92Q" OR "E92V" OR "F121Y" OR "G118R" OR "G140A" OR "G140C" OR "G140R" OR "G140S" OR "G149A" OR "G163E" OR "G163K" OR "G163R" OR "G19S" OR "H51Y" OR "INRAMS" OR "K65R" OR "K70E" OR "L101I" OR "L74F" OR "L74I" OR "L74M" OR "M184V" OR "M50I" OR "M50V" OR "N155D" OR "N155H" OR "N155S" OR "N155T" OR "P145S" OR "polypurine tract" OR "Q146P" OR "Q148H" OR "Q148K" OR "Q148N" OR "Q148R" OR "Q95K" OR "R263K" OR "S147G" OR "S153A" OR "S153F" OR "S153Y" OR "S230R" OR "T124A" OR "T661" OR "T66A" OR "T66I" OR "T66K" OR "T97A" OR "V151A" OR "V151I" OR "V151L" OR "Y143A" OR "Y143C" OR "Y143G" OR "Y143H" OR "Y143K" OR "Y143R" OR "Y143S"	252
#10	"resist*" OR "virological failure" OR "viral failure" OR "incomplete virologic response" OR "incomplete viral response" OR "mutation" OR "mutations"	17,921
#9	MeSH descriptor: [Drug Resistance, Viral] explode all trees	793
#8	#6 AND #7	815
#7	"dolutegravir" OR "dolutegravir sodium" OR "dolutegravir sodium monohydrate" OR "gsk572" OR "gsk 572" OR "gsk 1349572" OR "gsk1349572" OR "gsk 1349572a" OR "gsk1349572a" OR "s gsk 1349572" OR "s gsk1349572" OR "s1349572" OR "s 1349572" OR "s349572" OR "s 349572" OR "dtg":ab,ti OR "tivica" OR "juluca" OR "trumeq" OR "dovato"	973
#6	#1 OR #2 OR #3 OR #4 OR #5	36,857
#5	"plwh":ab,ti OR aids:ab,ti OR ("acquired immun*" AND "deficiency virus") OR ("acquir*" AND ("immun*" OR "immunodeficiency" OR "immunodeficiency" OR "virus" OR "infection*"))	10,424
#4	MeSH descriptor: [Acquired Immunodeficiency Syndrome] explode all trees	2267
#3	hiv:ab,ti OR "hiv 1":ab,ti OR "hiv 2":ab,ti OR hiv1:ab,ti OR hiv2:ab,ti OR "hiv i":ab,ti OR "hiv ii":ab,ti OR "hiv infection":ab,ti OR "hiv infect*":ab,ti	29,001
#2	"human immunodeficiency virus" OR "human immunodeficiency virus" OR ("human" AND ("immun*" OR "immunodeficiency" OR "immunodeficiency") AND ("virus" OR "infection*")) OR ("human immun*" AND "deficiency virus")	15,043
#1	MeSH descriptor: [HIV] explode all trees	3750

Results (182; search #13) exported, de-duped, and screened (61 articles; 81 congress abstracts and 40 trial overviews excluded).