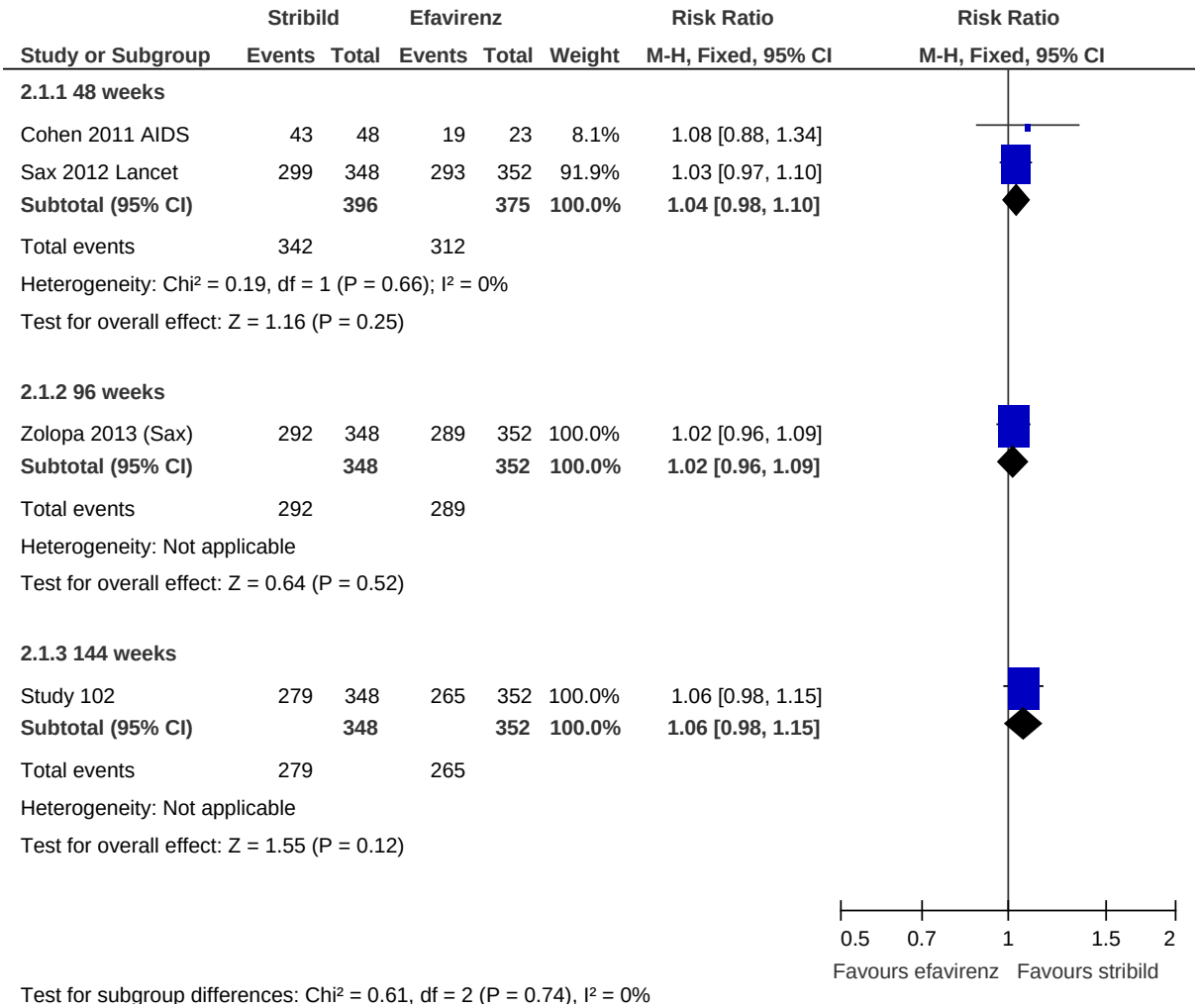
Appendix 4

BHIVA Treatment Guideline update 2013

Search protocol: main databases search: rilpivirine and elvitegravir

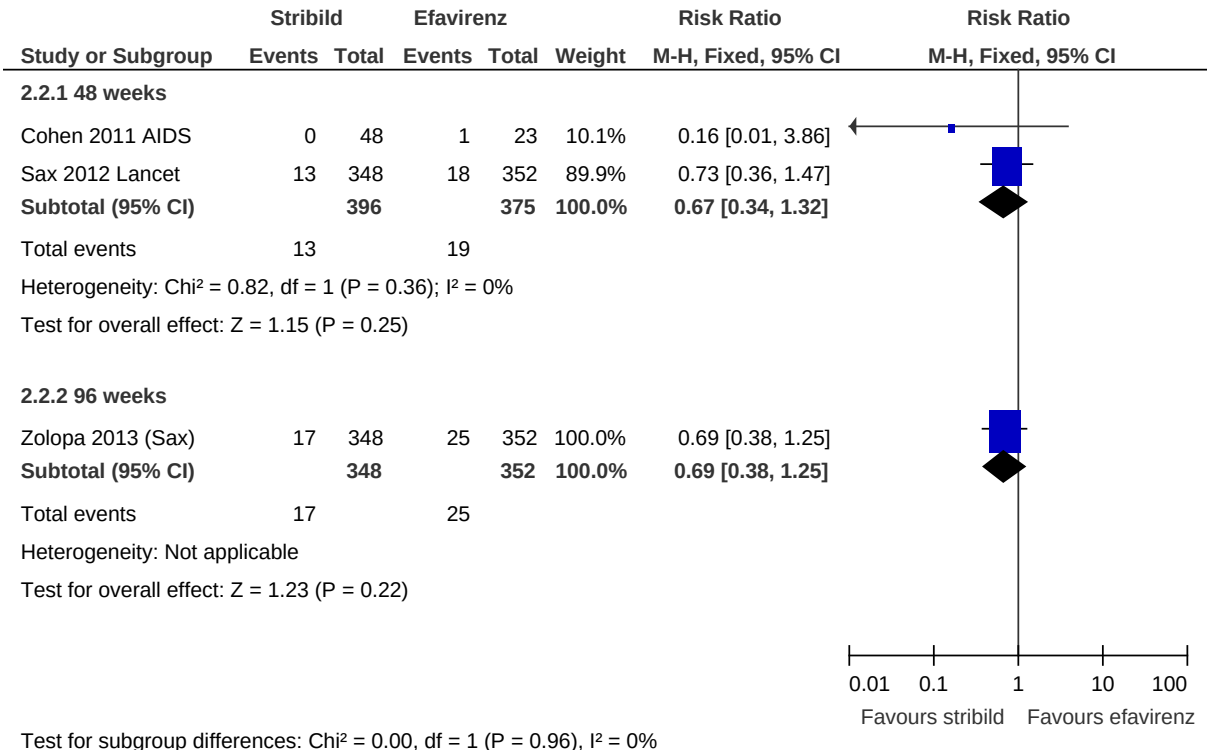
Component	Description
Review area	New antiretroviral agents – efficacy and safety
Objectives	Safety and efficacy of rilpivirine and elvitegravir
Populations	HIV infected, naïve to ART Adults – all questions
Interventions	Rilpivirine Elvitegravir Both agents with Truvada ,+/- cobicistat (not in search terms)
Comparisons/aspects covered by search	Truvada and efavirenz; ritonavir/atazanavir; any other ART regimens (terms not in search)
Outcomes	To be decided by writing groups to include: Virological suppression to <50 copies/mL, virological failure, discontinuation due to AEs, grade 3/4 AEs, HIV drug resistance
Study designs	All studies
Exclusions	Animal studies, letters, editorials, comments, non-English studies
How the information was searched	Databases: Medline, Embase, Cochrane Library Language: restrict to English only Date parameters: 2011 to current
Search terms and date searched	HIV + (rilpivirine OR elvitegravir)
Search results	Medline = 121 Embase = 130 Cochrane = 11 Total=262 Total deduplicated = 185

Forest plot of comparison: 2 Stribild versus efavirenz, outcome: 2.1 Confirmed virological response (<50 copies/mL).

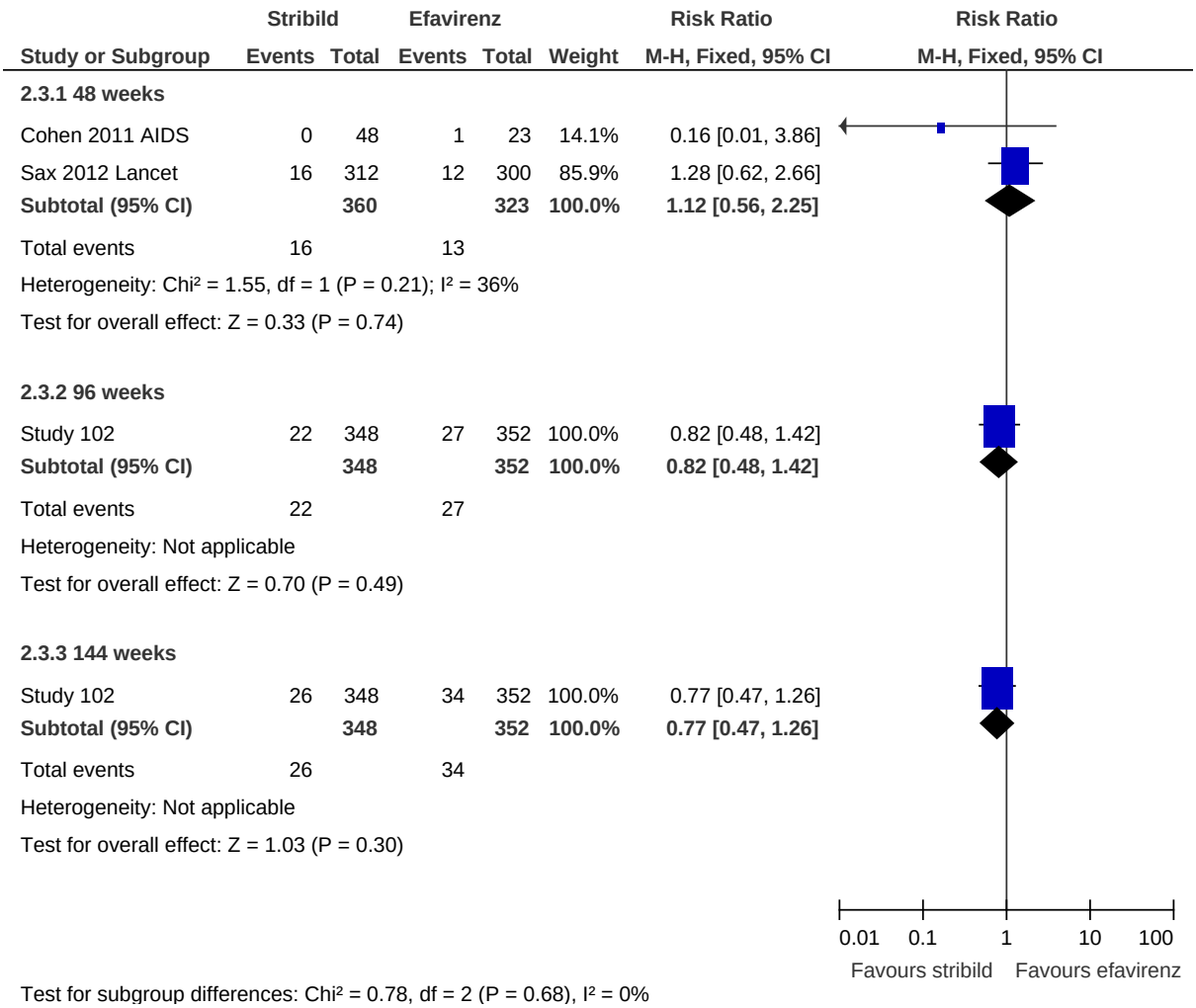


Test for subgroup differences: Chi² = 0.61, df = 2 (P = 0.74), I² = 0%

Forest plot of comparison: 2 Stribild versus efavirenz, outcome: 2.2 Discontinued due to adverse event.

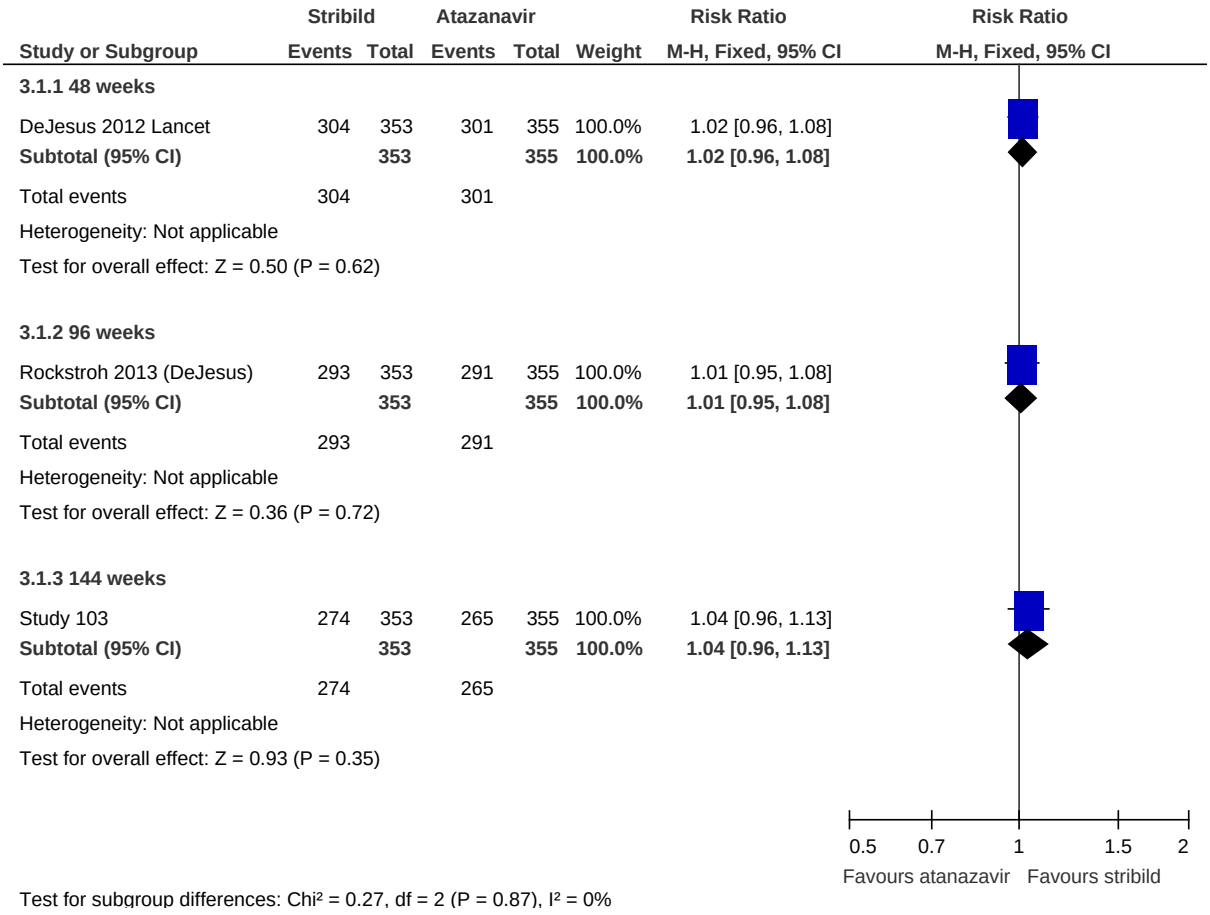


Forest plot of comparison: 2 Stribild versus efavirenz, outcome: 2.3 Virological failure.



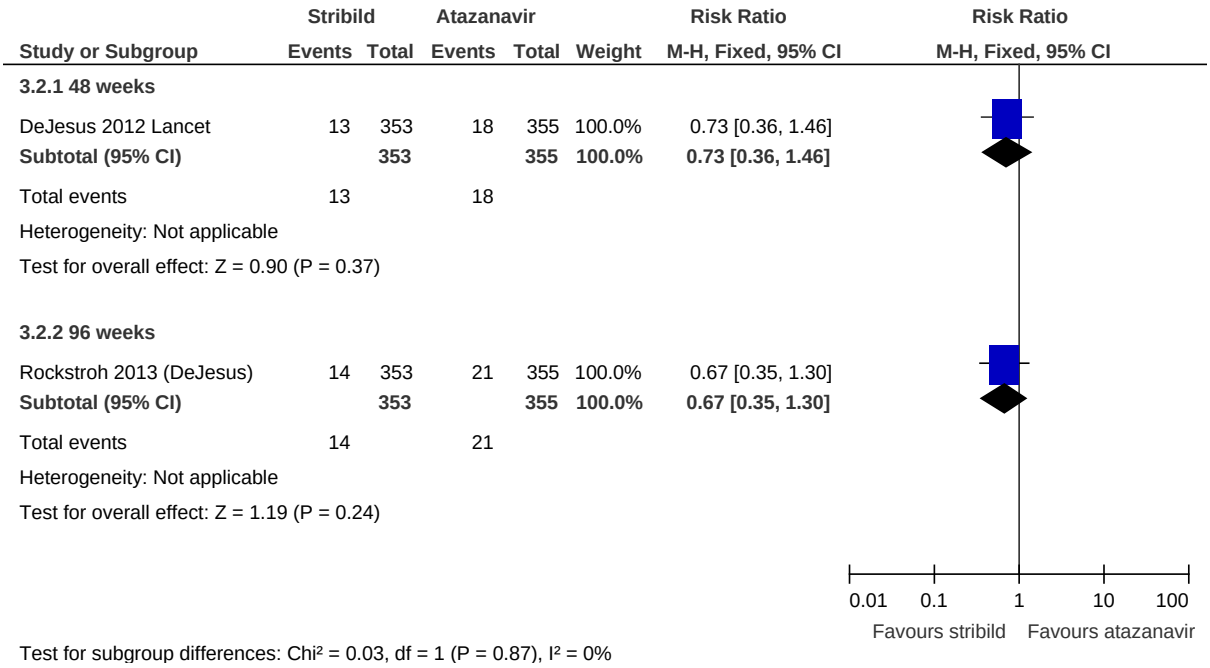
Test for subgroup differences: Chi² = 0.78, df = 2 (P = 0.68), I² = 0%

Forest plot of comparison: 3 Stribild versus atazanavir, outcome: 3.1 Confirmed virological response (<50 copies/mL).



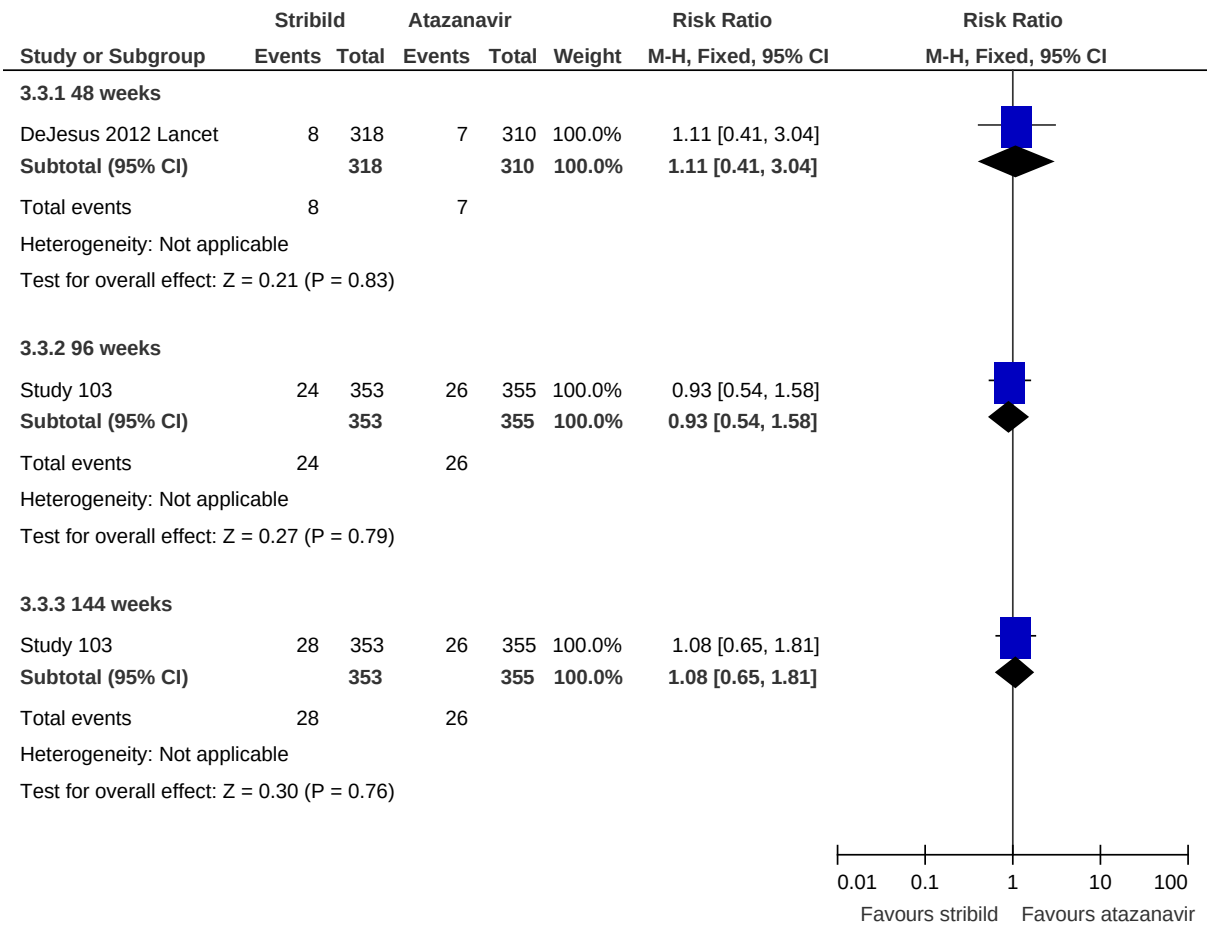
Test for subgroup differences: Chi² = 0.27, df = 2 (P = 0.87), I² = 0%

Forest plot of comparison: 3 Stribild versus atazanavir, outcome: 3.2 Discontinued due to adverse event.



Test for subgroup differences: $Chi^2 = 0.03$, df = 1 (P = 0.87), $I^2 = 0\%$

Forest plot of comparison: 3 Stribild versus atazanavir, outcome: 3.3 Virological failure.



Test for subgroup differences: $Chi^2 = 0.20$, df = 2 (P = 0.90), $I^2 = 0\%$