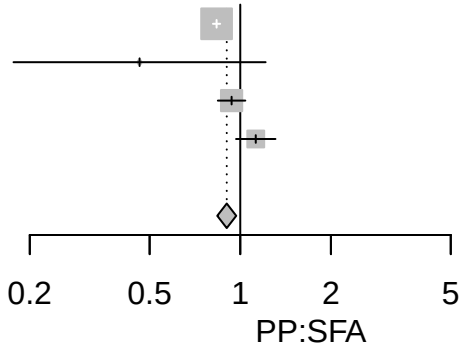
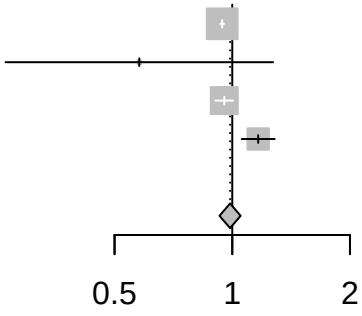
Study	logRR	SE(logRR)	RR	RR	95%−CI	Weight	RoB
191_NIH−AARP_d2	−0.1812	0.0141		0.83	[0.81; 0.86]	55.9%	some concerns
103_NHANES_d1	−0.7701	0.4919		0.46	[0.18; 1.21]	0.6%	high
62_UKB_d	−0.0663	0.0536		0.94	[0.84; 1.04]	26.7%	high
10_EPIC−Heidelberg	0.1185	0.0769		1.13	[0.97; 1.31]	16.8%	high
Random effects model				**0.90**	**[0.84; 0.97]**	**100.0%**	



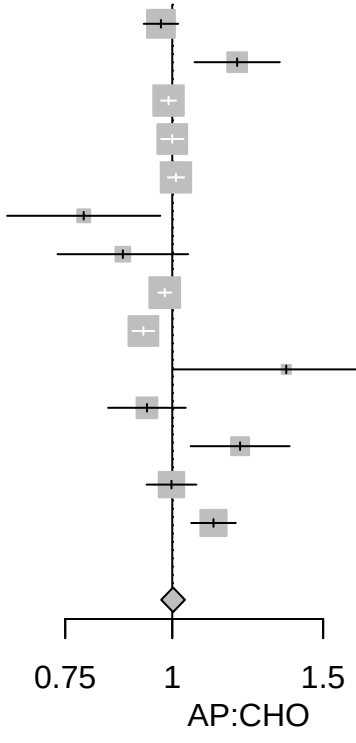
Heterogeneity: I^2 = 85%, τ^2 = 0.0023, p < 0.01

Study	logRR	SE(logRR)	RR	RR	95%−CI	Weight	RoB
191_NIH−AARP_d1	−0.0594	0.0057		0.94	[0.93; 0.95]	44.0%	some concerns
103_NHANES_d2	−0.5475	0.4020		0.58	[0.26; 1.27]	0.6%	high
62_UKB_d	−0.0470	0.0266		0.95	[0.91; 1.01]	34.0%	high
10_EPIC−Heidelberg	0.1527	0.0495		1.16	[1.06; 1.28]	21.4%	high
Random effects model				**0.99**	**[0.93; 1.05]**	**100.0%**	

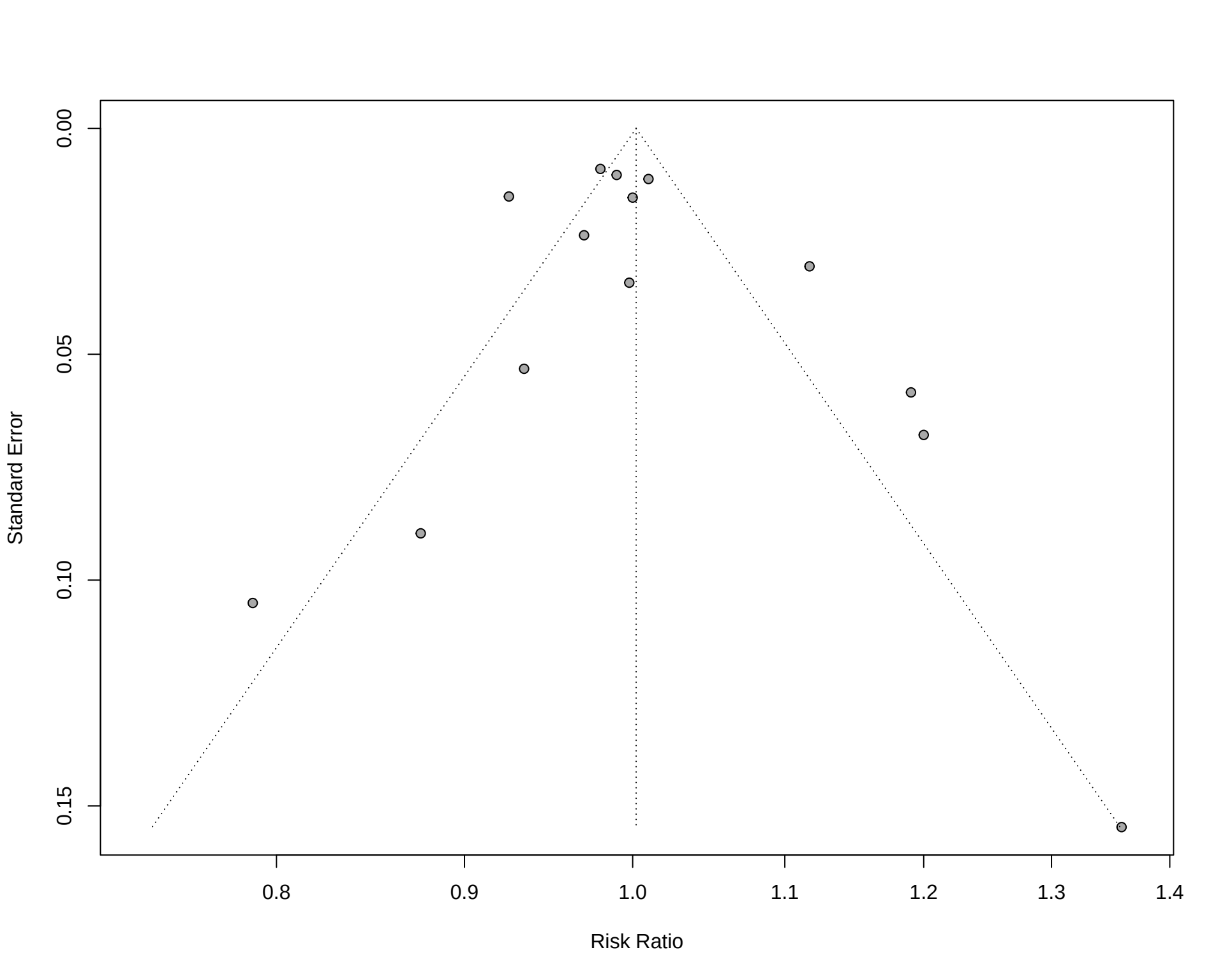


Heterogeneity: I^2 = 85%, τ^2 = 0.0023, p < 0.01

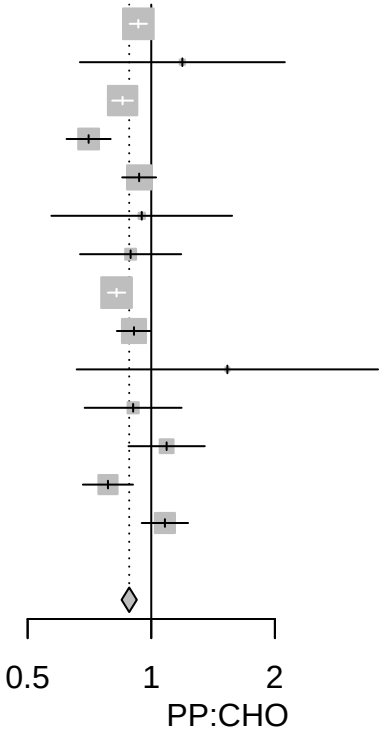
Study	logRR	SE(logRR)	RR	95%−CI	Weight	RoB
190_NHANES_d2	−0.0305	0.0237	0.97	[0.93; 1.02]	9.4%	high
174_KIHD_d	0.1744	0.0584	1.19	[1.06; 1.33]	4.7%	some concerns
159_WHI	−0.0101	0.0103	0.99	[0.97; 1.01]	11.2%	some concerns
155_HPFS	0.0000	0.0153	1.00	[0.97; 1.03]	10.7%	some concerns
155_NHS	0.0099	0.0112	1.01	[0.99; 1.03]	11.2%	some concerns
117_InCHIANTI_d	−0.2380	0.1051	0.79	[0.64; 0.97]	2.0%	high
82_IWHS_d	−0.1328	0.0896	0.88	[0.73; 1.04]	2.6%	some concerns
73_NIH−AARP_d	−0.0202	0.0090	0.98	[0.96; 1.00]	11.4%	some concerns
62_UKB_d	−0.0775	0.0151	0.93	[0.90; 0.95]	10.7%	high
60_PREDIMED_d	0.3063	0.1547	1.36	[1.00; 1.84]	1.0%	high
44_EPIC−Italy_d	−0.0680	0.0532	0.93	[0.84; 1.04]	5.2%	some concerns
22_Rotterdam_d	0.1823	0.0679	1.20	[1.05; 1.37]	3.9%	some concerns
15_JPHC_d	−0.0021	0.0342	1.00	[0.93; 1.07]	7.8%	some concerns
10_EPIC−Heidelberg	0.1108	0.0305	1.12	[1.05; 1.19]	8.3%	high
Random effects model			**1.00**	**[0.97; 1.03]**	**100.0%**	



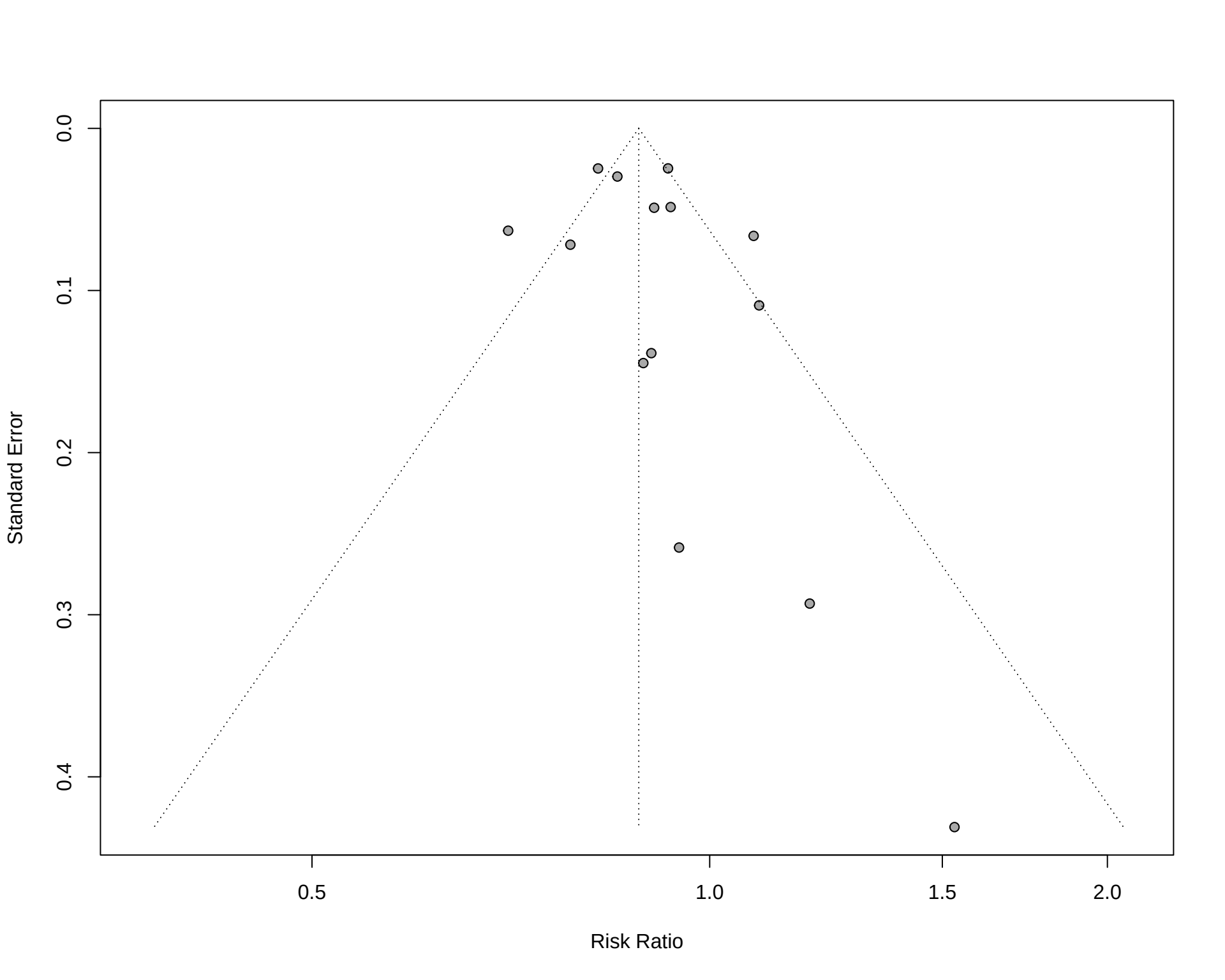
Heterogeneity: I^2 = 82%, τ^2 = 0.0023, p < 0.01

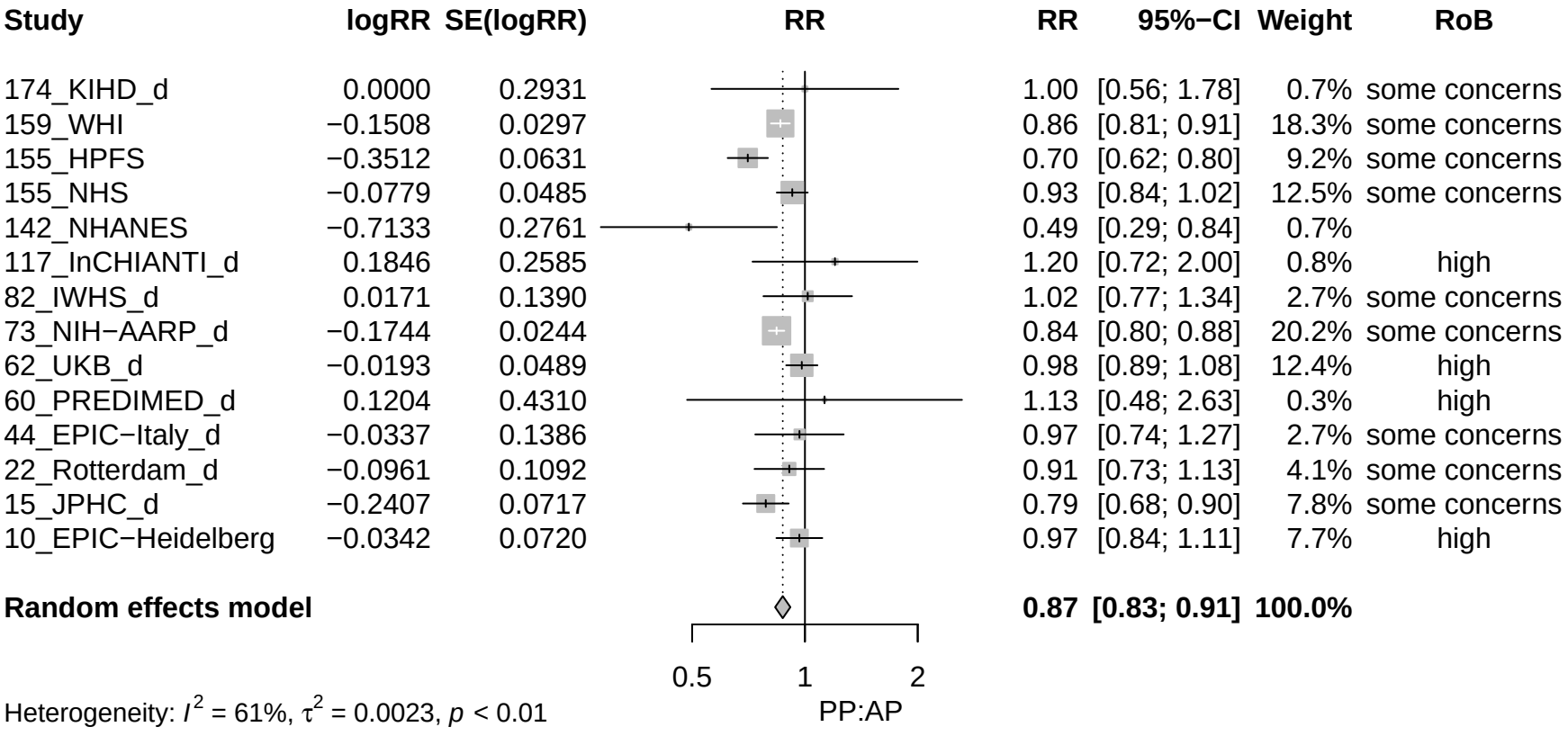

Standard Error
0.00
0.05
0.10
0.15
0.8
0.9
1.0
1.1
1.2
1.3
1.4
Risk Ratio

Study	logRR	SE(logRR)	RR	95%−CI	Weight	RoB
190_NHANES_d1	−0.0726	0.0247	0.93	[0.89; 0.98]	16.7%	high
174_KIHD_d	0.1744	0.2931	1.19	[0.67; 2.11]	0.5%	some concerns
159_WHI	−0.1609	0.0297	0.85	[0.80; 0.90]	15.3%	some concerns
155_HPFS	−0.3512	0.0631	0.70	[0.62; 0.80]	7.7%	some concerns
155_NHS	−0.0680	0.0485	0.93	[0.85; 1.03]	10.4%	some concerns
117_InCHIANTI_d	−0.0534	0.2585	0.95	[0.57; 1.57]	0.7%	high
82_IWHS_d	−0.1157	0.1448	0.89	[0.67; 1.18]	2.1%	some concerns
73_NIH−AARP_d	−0.1946	0.0247	0.82	[0.78; 0.86]	16.7%	some concerns
62_UKB_d	−0.0968	0.0489	0.91	[0.82; 1.00]	10.3%	high
60_PREDIMED_d	0.4267	0.4310	1.53	[0.66; 3.57]	0.3%	high
44_EPIC−Italy_d	−0.1017	0.1386	0.90	[0.69; 1.19]	2.2%	some concerns
22_Rotterdam_d	0.0862	0.1092	1.09	[0.88; 1.35]	3.4%	some concerns
15_JPHC_d	−0.2428	0.0717	0.78	[0.68; 0.90]	6.5%	some concerns
10_EPIC−Heidelberg	0.0766	0.0663	1.08	[0.95; 1.23]	7.2%	high
Random effects model			**0.88**	**[0.85; 0.92]**	**100.0%**	

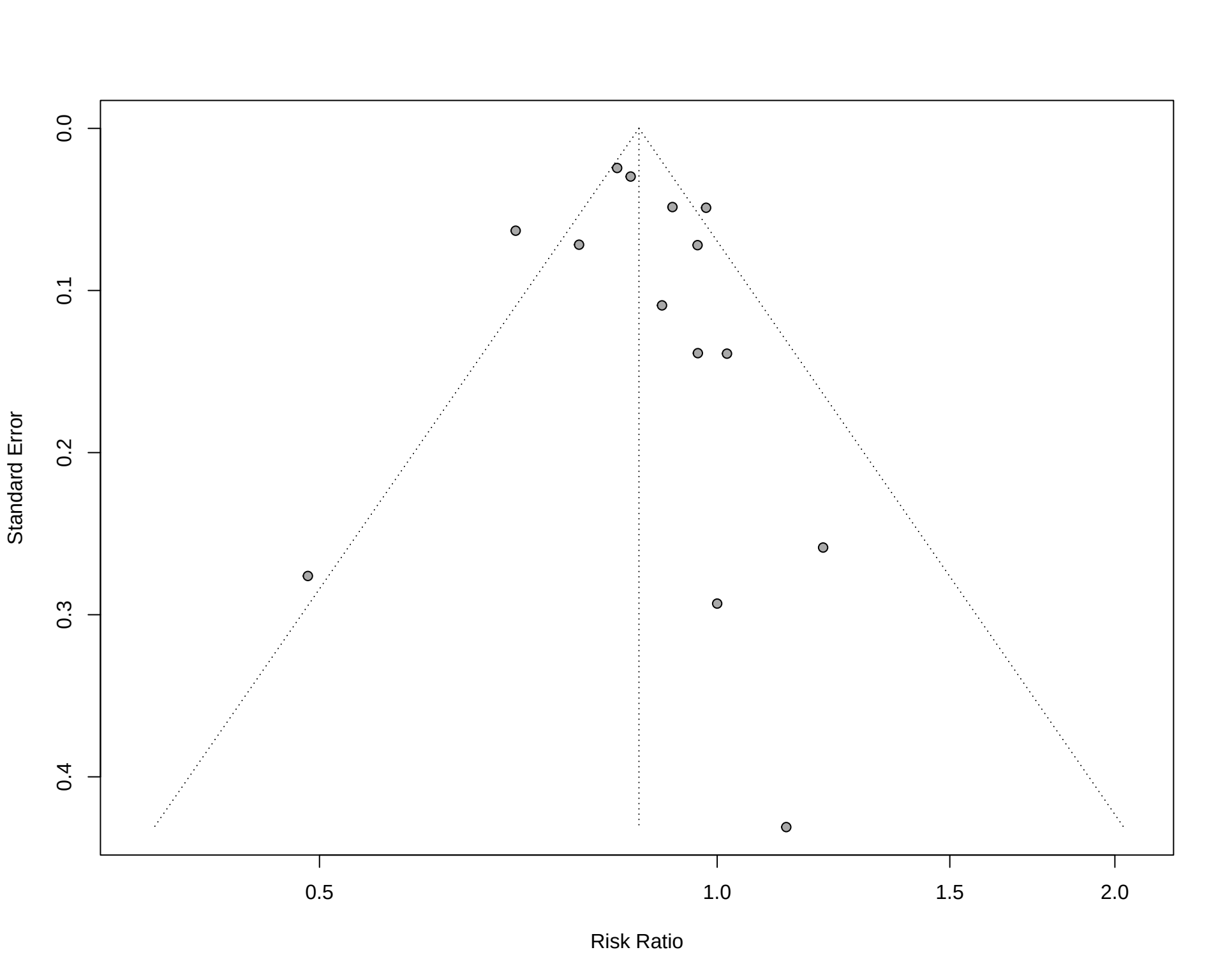


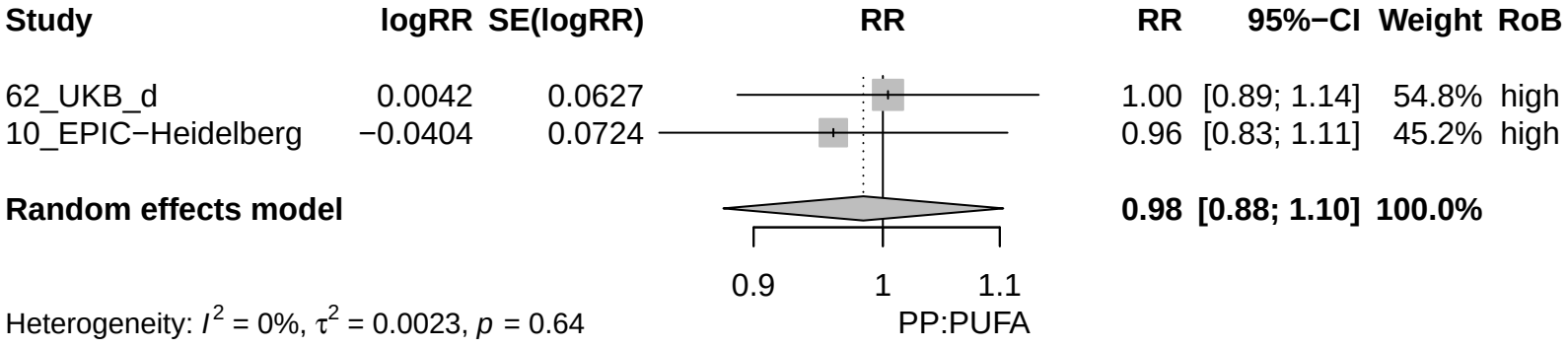
Heterogeneity: I^2 = 72%, τ^2 = 0.0023, p < 0.01

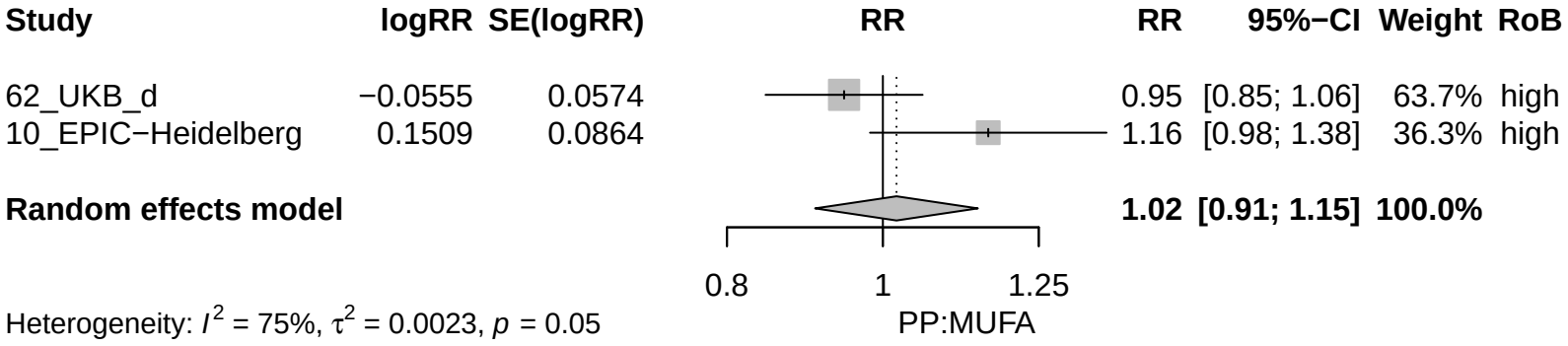

Standard Error
0.0
0.1
0.2
0.3
0.4
0.5
1.0
1.5
2.0
Risk Ratio

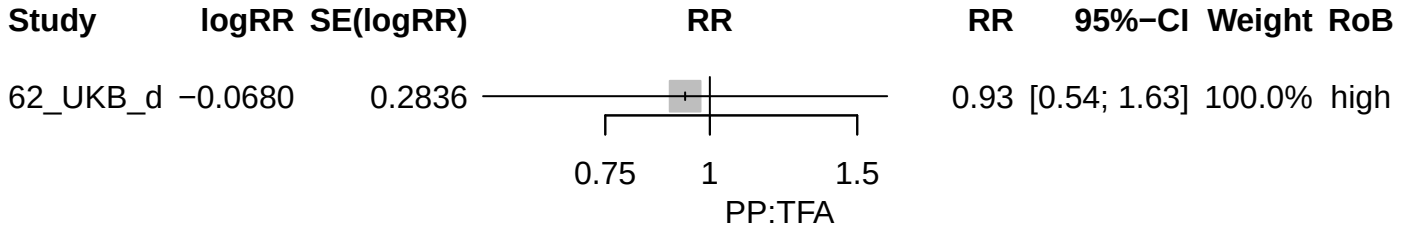


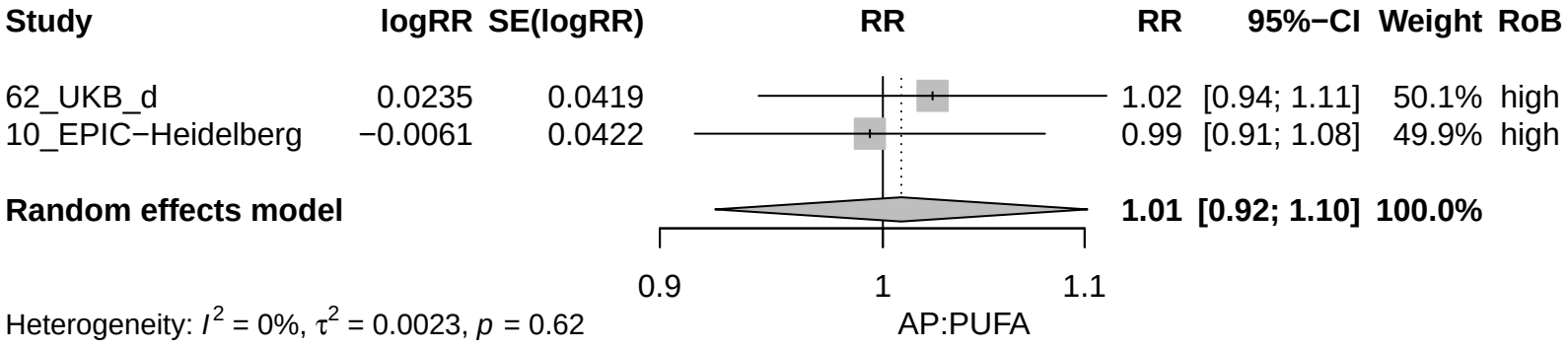
Heterogeneity: I^2 = 61%, τ^2 = 0.0023, p < 0.01


Standard Error
0.0
0.1
0.2
0.3
0.4
0.5
1.0
1.5
2.0
Risk Ratio

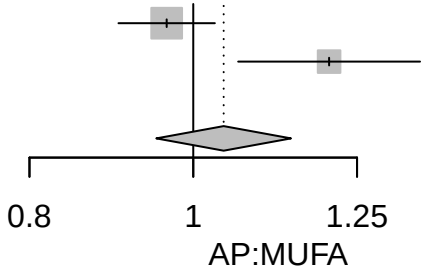

Study
logRR
SE(logRR)
RR
RR
95%−CI
Weight
RoB
62_UKB_d
0.0042
0.0627
1.00
[0.89; 1.14]
54.8%
high
10_EPIC−Heidelberg
−0.0404
0.0724
0.96
[0.83; 1.11]
45.2%
high
Random effects model
0.98
[0.88; 1.10]
100.0%
0.9
1
1.1
Heterogeneity: I^2 = 0%, τ^2 = 0.0023, p = 0.64
PP:PUFA


Study
logRR
SE(logRR)
RR
RR
95%−CI
Weight
RoB
62_UKB_d
−0.0555
0.0574
0.95
[0.85; 1.06]
63.7%
high
10_EPIC−Heidelberg
0.1509
0.0864
1.16
[0.98; 1.38]
36.3%
high
Random effects model
1.02
[0.91; 1.15]
100.0%
0.8
1
1.25
PP:MUFA
Heterogeneity: I^2 = 75%, τ^2 = 0.0023, p = 0.05

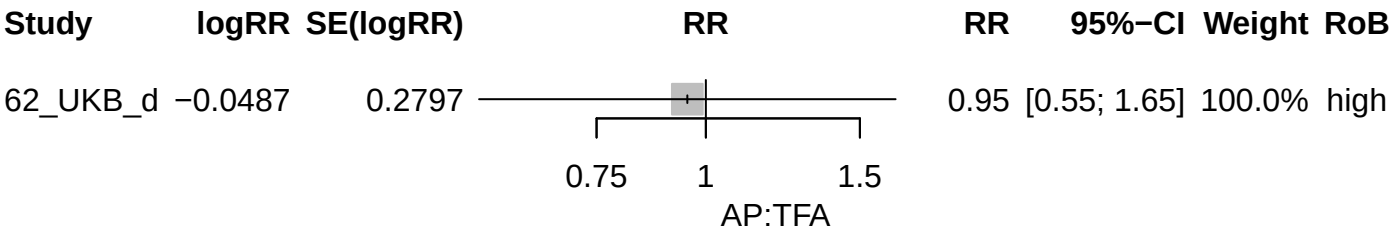

Study
logRR
SE(logRR)
RR
RR
95%−CI
Weight
RoB
62_UKB_d
−0.0680
0.2836
0.93
[0.54; 1.63]
100.0%
high
0.75
1
1.5
PP:TFA


Study
logRR
SE(logRR)
RR
RR
95%−CI
Weight
RoB
62_UKB_d
0.0235
0.0419
1.02
[0.94; 1.11]
50.1%
high
10_EPIC−Heidelberg
−0.0061
0.0422
0.99
[0.91; 1.08]
49.9%
high
Random effects model
1.01
[0.92; 1.10]
100.0%
0.9
1
1.1
Heterogeneity: I^2 = 0%, τ^2 = 0.0023, p = 0.62
AP:PUFA

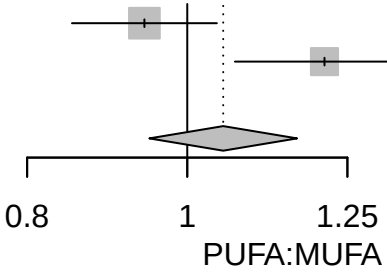
Study	logRR	SE(logRR)	RR	95%−CI	Weight	RoB
62_UKB_d	−0.0362	0.0335	0.96	[0.90; 1.03]	64.9%	high
10_EPIC−Heidelberg	0.1851	0.0632	1.20	[1.06; 1.36]	35.1%	high
Random effects model			**1.04**	**[0.95; 1.14]**	**100.0%**	



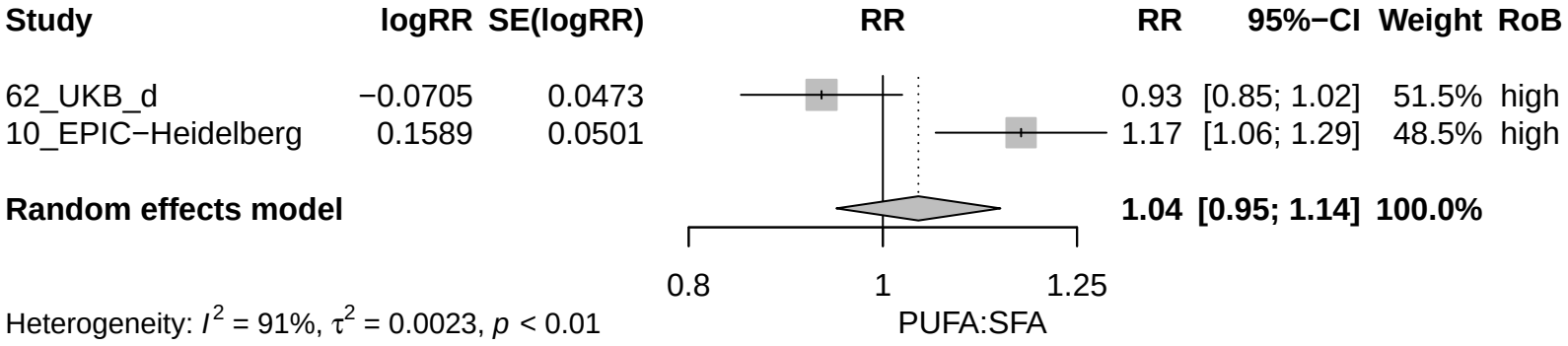
Heterogeneity: I^2 = 90%, τ^2 = 0.0023, p < 0.01

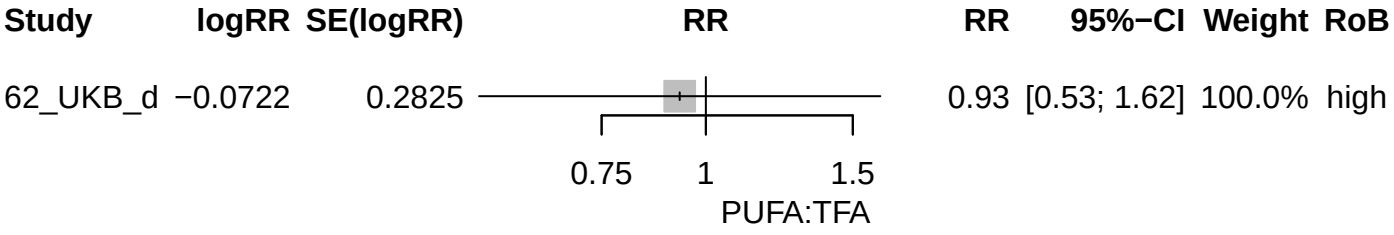

Study
logRR
SE(logRR)
RR
RR
95%−CI
Weight
RoB
62_UKB_d
−0.0487
0.2797
0.95
[0.55; 1.65]
100.0%
high
0.75
1
1.5
AP:TFA

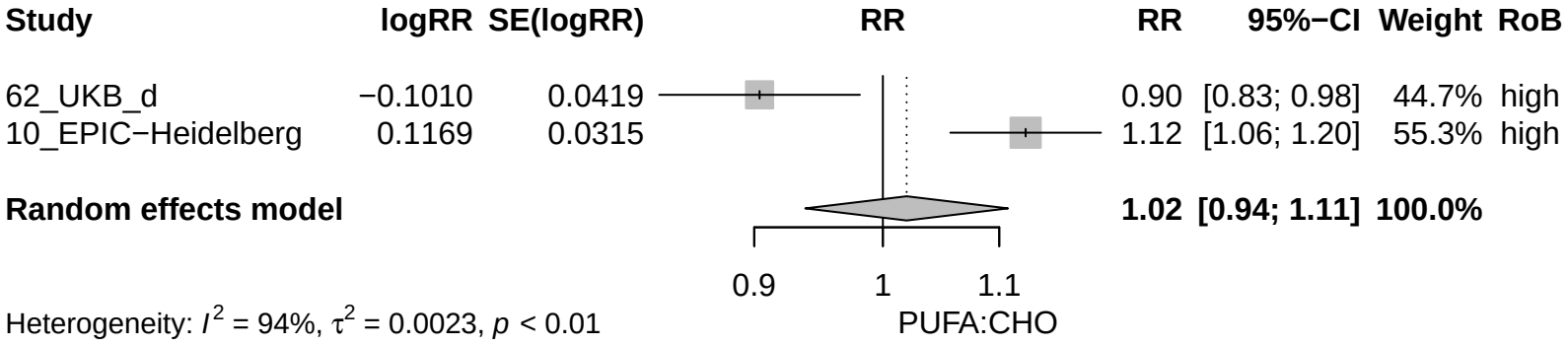
Study	logRR	SE(logRR)	RR	95%−CI	Weight	RoB
62_UKB_d	−0.0597	0.0515	0.94	[0.85; 1.04]	56.2%	high
10_EPIC−Heidelberg	0.1912	0.0637	1.21	[1.07; 1.37]	43.8%	high
Random effects model			**1.05**	**[0.95; 1.17]**	**100.0%**	

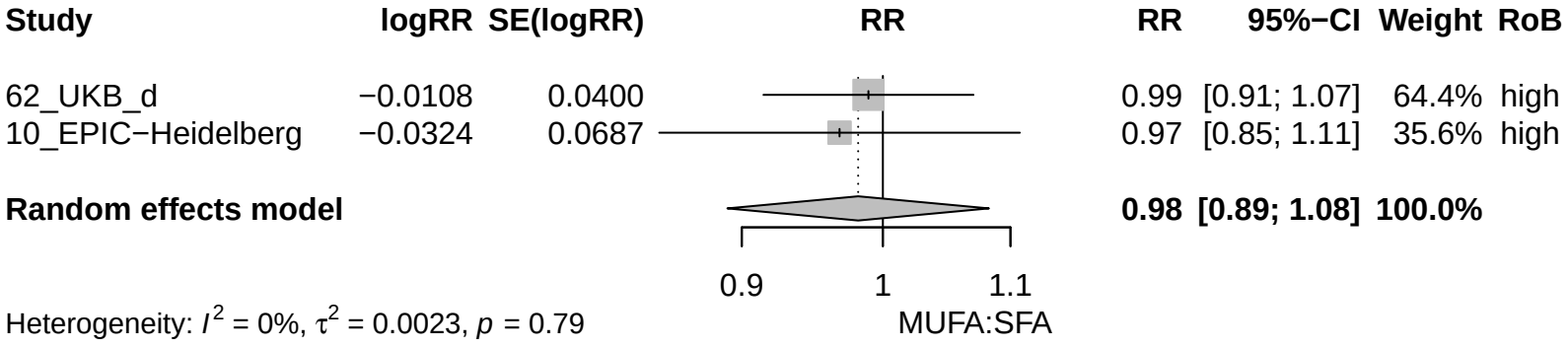


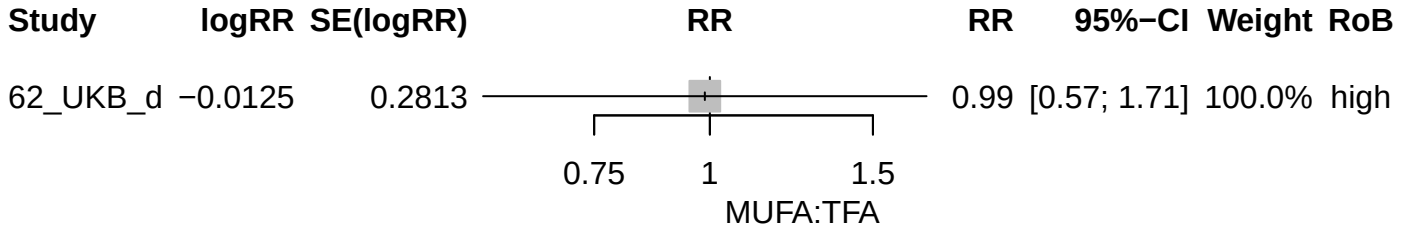
Heterogeneity: I^2 = 89%, τ^2 = 0.0023, p < 0.01


Study
logRR
SE(logRR)
RR
RR
95%−CI
Weight
RoB
62_UKB_d
−0.0705
0.0473
0.93
[0.85; 1.02]
51.5%
high
10_EPIC−Heidelberg
0.1589
0.0501
1.17
[1.06; 1.29]
48.5%
high
Random effects model
1.04
[0.95; 1.14]
100.0%
0.8
1
1.25
Heterogeneity: I^2 = 91%, τ^2 = 0.0023, p < 0.01
PUFA:SFA

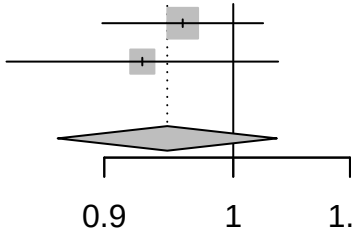

Study
logRR
SE(logRR)
RR
RR
95%−CI
Weight
RoB
62_UKB_d
−0.0722
0.2825
0.93
[0.53; 1.62]
100.0%
high
0.75
1
1.5
PUFA:TFA


Study
logRR
SE(logRR)
RR
RR
95%−CI
Weight
RoB
62_UKB_d
−0.1010
0.0419
0.90
[0.83; 0.98]
44.7%
high
10_EPIC−Heidelberg
0.1169
0.0315
1.12
[1.06; 1.20]
55.3%
high
Random effects model
1.02
[0.94; 1.11]
100.0%
0.9
1
1.1
Heterogeneity: I^2 = 94%, τ^2 = 0.0023, p < 0.01
PUFA:CHO


Study
logRR
SE(logRR)
RR
RR
95%−CI
Weight
RoB
62_UKB_d
−0.0108
0.0400
0.99
[0.91; 1.07]
64.4%
high
10_EPIC−Heidelberg
−0.0324
0.0687
0.97
[0.85; 1.11]
35.6%
high
Random effects model
0.98
[0.89; 1.08]
100.0%
0.9
1
1.1
Heterogeneity: I^2 = 0%, τ^2 = 0.0023, p = 0.79
MUFA:SFA

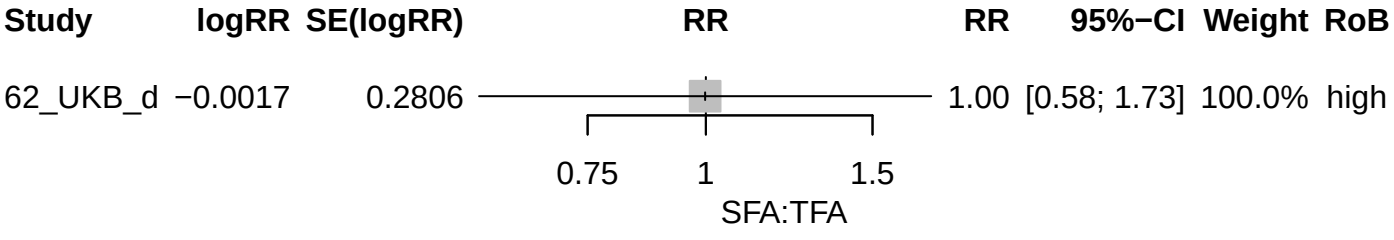

Study
logRR
SE(logRR)
RR
RR
95%−CI
Weight
RoB
62_UKB_d
−0.0125
0.2813
0.99
[0.57; 1.71]
100.0%
high
0.75
1
1.5
MUFA:TFA

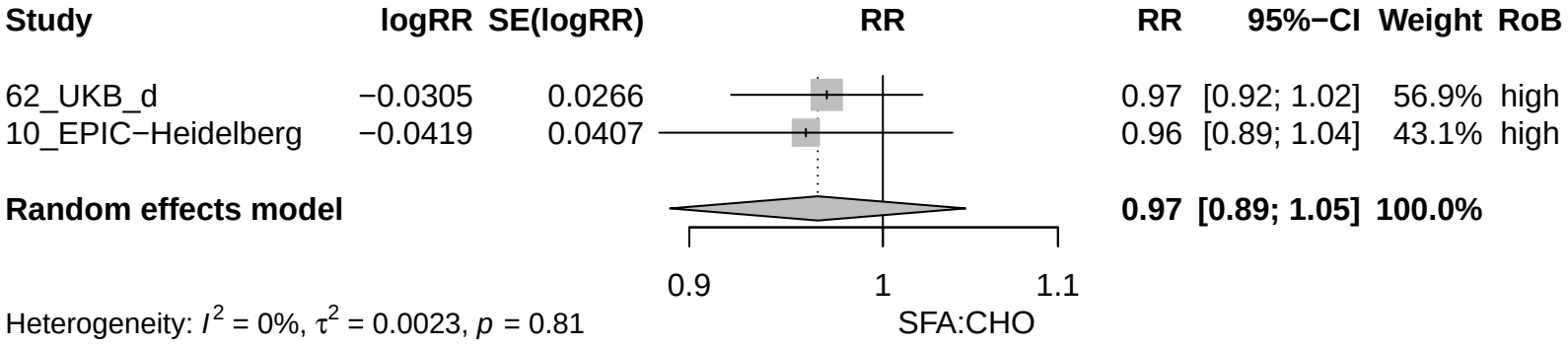
Study	logRR	SE(logRR)	RR	RR	95%−CI	Weight	RoB
62_UKB_d	−0.0413	0.0335		0.96	[0.90; 1.02]	61.8%	high
10_EPIC−Heidelberg	−0.0743	0.0566		0.93	[0.83; 1.04]	38.2%	high
Random effects model				**0.95**	**[0.87; 1.04]**	**100.0%**	

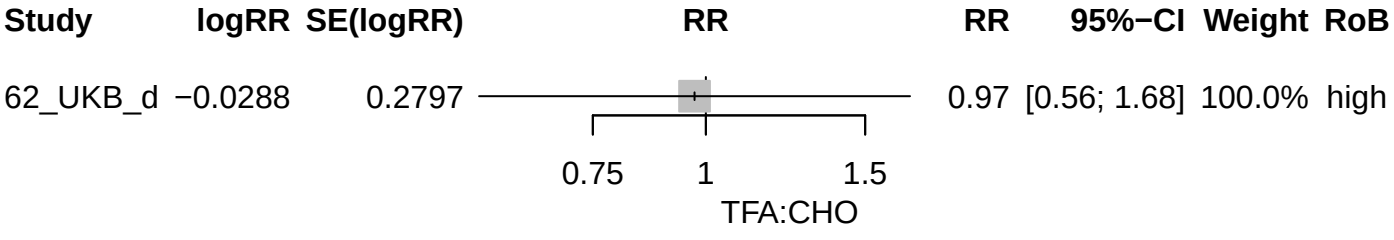


Heterogeneity: I^2 = 0%, τ^2 = 0.0023, p = 0.62

MUFA:CHO


Study
logRR
SE(logRR)
RR
RR
95%−CI
Weight
RoB
62_UKB_d
−0.0017
0.2806
1.00
[0.58; 1.73]
100.0%
high
0.75
1
1.5
SFA:TFA


Study
logRR
SE(logRR)
RR
RR
95%−CI
Weight
RoB
62_UKB_d
−0.0305
0.0266
0.97
[0.92; 1.02]
56.9%
high
10_EPIC−Heidelberg
−0.0419
0.0407
0.96
[0.89; 1.04]
43.1%
high
Random effects model
0.97
[0.89; 1.05]
100.0%
0.9
1
1.1
Heterogeneity: I^2 = 0%, τ^2 = 0.0023, p = 0.81
SFA:CHO


Study
logRR
SE(logRR)
RR
RR
95%−CI
Weight
RoB
62_UKB_d
−0.0288
0.2797
0.97
[0.56; 1.68]
100.0%
high
0.75
1
1.5
TFA:CHO