

Study or Subgroup	Vitamin D		Control		Weight	Risk Ratio M-H, Random, 95% CI	Year
	Events	Total	Events	Total			
<b>2.2.1 Vit D deficient &lt;30 ng/ml</b>							
Amrein 2011	6	12	6	13	5.9%	1.08 [0.48, 2.45]	2011
Amrein 2014	52	237	68	238	16.1%	0.77 [0.56, 1.05]	2014
Ding 2017	3	29	5	28	2.6%	0.58 [0.15, 2.20]	2017
Miroliaee 2018	5	24	11	22	5.2%	0.42 [0.17, 1.01]	2018
Ginde 2019	92	531	69	528	16.9%	1.33 [0.99, 1.77]	2019
Hasanloei 2019	3	48	5	24	2.6%	0.30 [0.08, 1.15]	2019
Yousefian 2019	8	33	6	33	4.8%	1.33 [0.52, 3.42]	2019
Miri 2019	8	22	11	18	7.9%	0.60 [0.31, 1.16]	2019
Karsy 2020	11	134	13	133	6.5%	0.84 [0.39, 1.81]	2020
Ingels 2020	2	11	2	13	1.6%	1.18 [0.20, 7.06]	2020
Sharma 2020	2	20	3	15	1.8%	0.50 [0.10, 2.63]	2020
Sistanizad 2021	5	16	12	14	6.6%	0.36 [0.17, 0.78]	2021
<b>Subtotal (95% CI)</b>		<b>1117</b>		<b>1079</b>	<b>78.5%</b>	<b>0.75 [0.56, 1.02]</b>	

Total events 197 211  
Heterogeneity:  $\tau^2 = 0.11$ ;  $\chi^2 = 22.29$ ,  $df = 11$  ( $P = 0.02$ );  $I^2 = 51\%$   
Test for overall effect:  $Z = 1.84$  ( $P = 0.07$ )

**2.2.2 Mixed baseline Vit D level**

Leaf 2014	6	36	7	31	4.5%	0.74 [0.28, 1.96]	2014
Quraishi 2015	5	20	3	10	3.1%	0.83 [0.25, 2.80]	2015
Han 2016	1	20	1	10	0.7%	0.50 [0.03, 7.19]	2016
Bhattacharyya 2021	23	63	30	63	13.1%	0.77 [0.51, 1.16]	2021
<b>Subtotal (95% CI)</b>		<b>139</b>		<b>114</b>	<b>21.5%</b>	<b>0.76 [0.53, 1.09]</b>	

Total events 35 41  
Heterogeneity:  $\tau^2 = 0.00$ ;  $\chi^2 = 0.12$ ,  $df = 3$  ( $P = 0.99$ );  $I^2 = 0\%$   
Test for overall effect:  $Z = 1.47$  ( $P = 0.14$ )

**Total (95% CI)** 1256 1193 100.0% 0.77 [0.61, 0.97]

Total events 232 252  
Heterogeneity:  $\tau^2 = 0.06$ ;  $\chi^2 = 22.90$ ,  $df = 15$  ( $P = 0.09$ );  $I^2 = 35\%$   
Test for overall effect:  $Z = 2.18$  ( $P = 0.03$ )  
Test for subgroup differences:  $\chi^2 = 0.00$ ,  $df = 1$  ( $P = 0.96$ ),  $I^2 = 0\%$

