**Table S2.** Predicted BMD loss in the femoral neck of crewmembers of different ages and ethnicities in an opposition-class mission to Mars with a total duration of 600 days.

	Male						Female					
Astronauts	Non-Hispanic white		Non-Hispanic black		Mexican American		Non-Hispanic white		Non-Hispanic black		Mexican American	
age (year)	<u> </u>				į.		<u>.</u>					
	Before	After	Before	After	Before	After	Before	After	Before	After	Before	After
	mission	mission	mission	mission	mission	mission	mission	mission	mission	mission	mission	mission
30-39	0.887±0.134	0.692	1.005±0.158	0.784	0.922±0.127	0.719	0.825±0.120	0.643	0.913±0.130	0.712	0.867±0.125	0.676
40-49	0.839±0.124	0.654	0.935±0.145	0.729	0.870±0.121	0.679	0.791±0.125	0.617	0.915±0.153	0.714	0.848±0.127	0.661