**Table S2: Excluded studies and reasons**

|  |  |  |
| --- | --- | --- |
| **Reasons for exclusion:**  | **Number** | **Reference** |
| Studies that did not include participants with hip fracture through screening  | 68 | (1-68) |
| Studies that were not BMI or body weight related through screening | 102 | (69-167) |
| Studies that were not retrievable through screening | 4 | (168-171) |
| Studies that were meta-analysis, systemic review, or case reports | 10 | (172-181) |
| Studies that did not provided precise fracture data | 23 | (182-204) |
| Studies that did not provided precise BMI or body weight grouping | 15 | (205-219) |
| Studies that did not provided mortality data | 15 | (123, 220-233) |
| Studies that did not provided complete follow up | 1 | (234) |
| Studies that did not provided complete data | 3 | (235-237) |
| Studies that was unavailable to full text | 1 | (238) |

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