**Appendix One: EMBASE Search Strategy**

1. 'non penetrating'
2. 'thorax blunt trauma'/exp
3. 'rib fracture'/exp
4. blunt OR “non penetrating” AND (chest OR thorax OR rib OR clavicle OR sternal OR scapula) NEAR/2 (trauma OR injury OR fracture OR fractures)
5. **#1 OR #2 OR #3 OR #4**
6. elderly:ab,ti OR 'community dwelling':ab,ti OR geriatric:ab,ti OR 'mini mental state':ab,ti OR alzheimer:ab,ti OR alzheimers:ab,ti OR mmse:ab,ti OR caregivers:ab,ti OR falls:ab,ti OR adl:ab,ti OR frailty:ab,ti OR gds:ab,ti OR ageing:ab,ti OR ‘hip fractures’:ab,ti OR elders:ab,ti OR frail:ab,ti OR mci:ab,ti OR demented:ab,ti OR psychogeriatrics:ab,ti OR 'cognitive impairment':ab,ti OR 'postmenopausal women':ab,ti OR comorbidities:ab,ti OR dementia:ab,ti OR aging:ab,ti OR older:ab,ti OR ‘daily living’:ab,ti OR ‘cognitive decline’:ab,ti OR residents:ab,ti OR ‘cognitive functioning’:ab,ti OR ‘old people’:ab,ti
7. 'geriatric assessment'/exp
8. 'nursing home'/exp
9. 'frail elderly'/exp
10. 'cognitive defect'/exp/dm\_ep,dm\_di
11. 'home for the aged'/exp
12. 'alzheimer disease'/exp
13. **#6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12**
14. **#5 AND #13**

**Appendix Two: MEDLINE Search Strategy**

1. non penetrating
2. thorax blunt trauma
3. “rib fracture”
4. blunt OR non penetrating AND (chest OR thorax OR rib OR clavicle OR sternal OR scapula) near/2 (trauma OR injury OR fracture OR fractures)
5. **#1 OR #2 OR #3 OR #4**
6. Elderly [tiab] OR community-dwelling [tiab] OR geriatric [tiab] OR “mini-mental state” [tiab] OR alzheimer [tiab] OR alzheimer’s [tiab] OR alzheimers [tiab] OR mmse [tiab] OR caregivers [tiab] OR falls [tiab] OR Adl [tiab] OR Frailty [tiab] OR Gds [tiab] OR Ageing [tiab] OR “hip fractures “ [tiab] OR elders [tiab] OR Frail [tiab] OR Mci [tiab] OR Demented [tiab] OR Psychogeriatrics [tiab] OR “cognitive impairment” [tiab] OR “postmenopausal women” [tiab] OR comorbidities [tiab] OR dementia [tiab] OR aging [tiab] OR older [tiab] OR “daily living” [tiab] OR “cognitive decline” [tiab] OR “cognitive impairment” [tiab] OR residents [tiab] OR “cognitive functioning” OR “old people” [tiab] OR nursing homes [mh] OR Geriatric assessment [mh] OR aging [mh] OR frail elderly [mh] OR Alzheimer disease [mh] OR homes for the aged [mh] OR cognition disorders [mh] OR dementia [mh] OR Activities of daily living [mh] OR aged, 80 and over [mh]
7. “geriatric assessment”
8. “nursing home”
9. “frail elderly”
10. “cognitive defect”
11. “home for the aged”
12. “alzheimer disease”
13. **#6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12**
14. **#5 AND #13**