JBI critical appraisal tool for descriptive studies included in the Pooled analysis

Q1. Were patient’s demographic characteristics clearly described?

Q2. Was the patient’s history clearly described and presented as a timeline?

Q3. Was the current clinical condition of the patient on presentation clearly described?

Q4. Were diagnostic tests or methods and the results clearly described?

Q5. Was the intervention(s) or treatment procedure(s) clearly described?

Q6. Was the post-intervention clinical condition clearly described?

Q7. Were adverse events (harms) or unanticipated events identified and described?

Q8. Does the case report provide takeaway lessons?

Answers:

Not applicable = 0

Yes=1

No=2

Unclear= 3

Table 1a

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| p\reference | P\_ID | A\_1D | A to Q1 | A to Q2 | A to Q3 | A to Q4 | A to Q5 | A to Q6 | A to Q7 | A to Q8 |
| 1 (1) | 00101 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 2 (1) | 00102 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 3 (1) | 00103 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 4 (1) | 00104 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 5 (1) | 00105 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 6 (1) | 00106 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 7 (1) | 00107 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 8 (2) | 00201 | 2 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 |
| 9 (3) | 00601 | 6 | 1 | 2 | 1 | 1 | 1 | 3 | 2 | 1 |
| 10 (4) | 01701 | 17 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 |
| 11 (5) | 01901 | 19 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 12 (6) | 02001 | 20 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 |
| 13 (7) | 02301 | 23 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 14 (8) | 02401 | 24 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 15 (9) | 02501 | 25 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 16 (10) | 02901 | 29 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 1 |
| 17 (11) | 03001 | 30 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 18 (12) | 03401 | 34 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 19 (12) | 03404 | 34 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 20 (12) | 03405 | 34 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 1 |
| 21 (13) | 03701 | 37 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 |
| 22 (14) | 04101 | 41 | 1 | 1 | 1 | 2 | 1 | 2 | 1 | 2 |
| 23 (15) | 04401 | 44 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 |
| 24 (16) | 04501 | 45 | 1 | 1 | 1 | 2 | 2 | 2 | 1 | 2 |
| 25 (17) | 04601 | 46 | 1 | 1 | 1 | 1 | 2 | 1 | 1 | 1 |
| 26 (18) | 04701 | 47 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 27 (19) | 05401 | 54 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 1 |
| 28 (20) | 05501 | 55 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 29 (21) | 05701 | 57 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 30 (22) | 06001 | 60 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 31 (23) | 06701 | 67 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 32 (24) | 07201 | 72 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 33 (25) | 07301 | 73 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 34 (26) | 07501 | 75 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 35 (27) | 07801 | 78 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 36 (28) | 08001 | 80 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 37 (29) | 08201 | 82 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 38 (30) | 08401 | 84 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 39 (31) | 08601 | 86 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 40 (32) | 08701 | 87 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 41 (33) | 08801 | 88 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 42 (33) | 08802 | 88 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 43 (33) | 08805 | 88 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 44 (33) | 08806 | 88 | 1 | 1 | 1 | 2 | 2 | 1 | 2 | 1 |
| 45 (33) | 08807 | 88 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 1 |
| 46 (33) | 08809 | 88 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 47 (33) | 08811 | 88 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 48 (33) | 08812 | 88 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 49 (33) | 08813 | 88 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 50 (34) | 09101 | 91 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 51 (35) | 09401 | 94 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 1 |
| 52 (36) | 10301 | 103 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 53 (37) | 10401 | 104 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 54 (38) | 10803 | 108 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 55 (38) | 10805 | 108 | 1 | 2 | 1 | 1 | 2 | 2 | 1 | 3 |
| 56 (38) | 10807 | 108 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 |
| 57 (39) | 11301 | 113 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 58 (40) | 12201 | 122 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 59 (41) | 12301 | 123 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 60 (42) | 12601 | 126 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 61 (43) | 12701 | 127 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 62 (44) | 13001 | 130 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 63 (45) | 13101 | 131 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 64 (46) | 13201 | 132 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 65 (47) | 14401 | 144 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 66 (48) | 15101 | 151 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 67 (49) | 15601 | 156 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 68 (50) | 15801 | 158 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 69 (51) | 16401 | 164 | 1 | 1 | 1 | 1 | 3 | 2 | 2 | 1 |
| 70 (51) | 16402 | 164 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 71 (51) | 16403 | 164 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 72 (51) | 16404 | 164 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 73 (51) | 16405 | 164 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 74 (51) | 16406 | 164 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 75 (51) | 16407 | 164 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 76 (51) | 16408 | 164 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 77 (51) | 16409 | 164 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 1 |
| 78 (51) | 16411 | 164 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 79 (51) | 16411 | 164 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 80 (51) | 16413 | 164 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 81 (51) | 16414 | 164 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 82 (51) | 16415 | 164 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 83 (51) | 16416 | 164 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 84 (51) | 16417 | 164 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 85 (52) | 16501 | 165 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 86 (53) | 16701 | 167 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 87 (54) | 17101 | 171 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 88 (55) | 17201 | 172 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 89 (55) | 17202 | 172 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 90 (56) | 17601 | 176 | 1 | 1 | 1 | 1 | 3 | 2 | 2 | 1 |
| 91 (57) | 18101 | 181 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 92 (58) | 18403 | 184 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 93 (59) | 18601 | 186 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 94 (60) | 19301 | 193 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 95 (61) | 19401 | 194 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 96 (61) | 19402 | 194 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 97 (62) | 19601 | 196 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 98 (63) | 19701 | 197 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 99 (64) | 19901 | 199 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 100 (65) | 20501 | 205 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 101 (66) | 20901 | 209 | 1 | 1 | 1 | 2 | 1 | 2 | 2 | 1 |
| 102 (67) | 21001 | 210 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 103 (68) | 21301 | 213 | 1 | 1 | 3 | 1 | 2 | 2 | 2 | 1 |
| 104 (69) | 21701 | 217 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 105 (70) | 22001 | 220 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 106 (71) | 22101 | 221 | 1 | 1 | 1 | 1 | 2 | 3 | 2 | 1 |
| 107 (72) | 22601 | 226 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 108 (73) | 23401 | 234 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 109 (74) | 24101 | 241 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 110 (74) | 24102 | 241 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 111 (74) | 24103 | 241 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 112 (74) | 24104 | 241 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 113 (74) | 24105 | 241 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 114 (74) | 24106 | 241 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 115 (74) | 24107 | 241 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 116 (74) | 24108 | 241 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 117 (74) | 24109 | 241 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 118 (74) | 24110 | 241 | 1 | 1 | 1 | 1 | 1 | 3 | 3 | 2 |
| 119 (74) | 24111 | 241 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 120 (74) | 24112 | 241 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 121 (74) | 24113 | 241 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 122 (75) | 24201 | 242 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 123 (76) | 24301 | 243 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 124 (77) | 24601 | 246 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 125 (78) | 24701 | 247 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 |
| 126 (78) | 24702 | 247 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 |
| 127 (78) | 24703 | 247 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 |
| 128 (78) | 24704 | 247 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 |
| 129 (78) | 24705 | 247 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 130 (78) | 24706 | 247 | 1 | 1 | 1 | 1 | 3 | 2 | 1 | 1 |
| 131 (78) | 24707 | 247 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 |
| 132 (78) | 24708 | 247 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 |
| 133 (78) | 24709 | 247 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 |
| 134 (78) | 24710 | 247 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 |
| 135 (78) | 24711 | 247 | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 1 |
| 136 (79) | 25201 | 252 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 137 (79) | 25202 | 252 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 1 |
| 138 (79) | 25203 | 252 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 139 (80) | 25701 | 257 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 140 (81) | 25801 | 258 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 141 (82) | 26301 | 263 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 142 (83) | 26701 | 267 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 143 (83) | 26702 | 267 | 1 | 1 | 1 | 1 | 2 | 3 | 2 | 1 |
| 144 (83) | 26703 | 267 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 145 (83) | 26704 | 267 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 146 (83) | 26705 | 267 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 147 (83) | 26706 | 267 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 148 (83) | 26707 | 267 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 149 (83) | 26708 | 267 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 150 (83) | 26709 | 267 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 151 (83) | 26710 | 267 | 1 | 1 | 1 | 1 | 3 | 2 | 2 | 1 |
| 152 (83) | 26711 | 267 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 153 (83) | 26712 | 267 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 154 (83) | 26713 | 267 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 155 (83) | 26714 | 267 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 156 (83) | 26715 | 267 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 157 (83) | 26716 | 267 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 158 (83) | 26717 | 267 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 159 (83) | 26718 | 267 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 160 (83) | 26719 | 267 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 161 (83) | 26720 | 267 | 1 | 1 | 1 | 1 | 3 | 2 | 3 | 1 |
| 162 (84) | 26801 | 268 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 163 (85) | 27301 | 273 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 164 (86) | 27601 | 276 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 165 (87) | 27701 | 277 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 166 (88) | 28201 | 282 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 167 (89) | 28301 | 283 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 168 (89) | 28302 | 283 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 169 (89) | 28303 | 283 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 170 (89) | 28304 | 283 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 171 (90) | 28601 | 286 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 172 (91) | 28801 | 288 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 173 (92) | 28901 | 289 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 174 (93) | 29201 | 292 | 1 | 1 | 1 | 1 | 3 | 2 | 2 | 1 |
| 175 (94) | 29301 | 293 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 176 (95) | 31101 | 311 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 177 (96) | 31301 | 313 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 178 (96) | 31302 | 313 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 179 (97) | 31401 | 314 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 180 (98) | 31801 | 318 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 181 (98) | 31802 | 318 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 182 (98) | 31803 | 318 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 183 (98) | 31804 | 318 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 184 (98) | 31805 | 318 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 185 (98) | 31806 | 318 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 186 (98) | 31807 | 318 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 187 (98) | 31808 | 318 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 188 (98) | 31809 | 318 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 189 (98) | 31810 | 318 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 190 (98) | 31811 | 318 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 191 (98) | 31812 | 318 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 2 |
| 192 (98) | 31813 | 318 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 193 (98) | 31814 | 318 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 194 (98) | 31815 | 318 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 195 (98) | 31816 | 318 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 196 (98) | 31817 | 318 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 197 (98) | 31818 | 318 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 198 (98) | 31819 | 318 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 199 (98) | 31820 | 318 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 200 (98) | 31821 | 318 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 201 (98) | 31822 | 318 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 202 (99) | 32001 | 320 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 203 (100) | 32101 | 321 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 204 (101) | 32901 | 329 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 205 (102) | 33801 | 338 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 206 (103) | 33901 | 339 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 207 (104) | 34201 | 342 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 208 (105) | 35201 | 352 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 209 (106) | 35301 | 353 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 210 (107) | 36001 | 360 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 211 (108) | 36401 | 364 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 212 (109) | 37301 | 373 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 213 (110) | 37401 | 374 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 214 (111) | 37501 | 375 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 215 (112) | 37801 | 378 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 216 (112) | 37802 | 378 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 217 (112) | 37803 | 378 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 218 (112) | 37804 | 378 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 219 (112) | 37805 | 378 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 220 (113) | 38101 | 381 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 221 (113) | 38102 | 381 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 222 (114) | 38501 | 385 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 223 (115) | 39301 | 393 | 1 | 1 | 1 | 1 | 3 | 2 | 2 | 1 |
| 224 (115) | 39302 | 393 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 225 (116) | 39601 | 396 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 226 (116) | 39602 | 396 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 227 (116) | 39603 | 396 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 228 (116) | 39604 | 396 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 229 (116) | 39605 | 396 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 1 |
| 230 (117) | 39901 | 399 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 231 (118) | 40001 | 400 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 232 (119) | 40501 | 405 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 233 (120) | 40901 | 409 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 234 (121) | 41301 | 413 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 235 (121) | 41302 | 413 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 236 (121) | 41303 | 413 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 237 (121) | 41304 | 413 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 238 (121) | 41305 | 413 | 1 | 1 | 1 | 1 | 3 | 2 | 2 | 1 |
| 239 (121) | 41306 | 413 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 240 (121) | 41307 | 413 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 241 (121) | 41308 | 413 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 242 (121) | 41309 | 413 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 243 (121) | 41310 | 413 | 1 | 1 | 1 | 1 | 2 | 2 | 3 | 1 |
| 244 (121) | 41311 | 413 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 245 (121) | 41312 | 413 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 246 (121) | 41313 | 413 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 247 (121) | 41314 | 413 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 248 (121) | 41315 | 413 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 249 (121) | 41316 | 413 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 250 (121) | 41317 | 413 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 251 (121) | 41318 | 413 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 252 (122) | 42601 | 426 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 253 (123) | 43601 | 436 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 254 (124) | 43701 | 437 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 255 (125) | 43901 | 439 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 256 (126) | 45301 | 453 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 257 (127) | 45801 | 458 | 1 | 1 | 1 | 1 | 1 | 3 | 2 | 1 |
| 258 (128) | 49901 | 499 | 1 | 1 | 1 | 1 | 1 | 2 | 3 | 1 |
| 259 (129) | 50001 | 500 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 260 (129) | 50002 | 500 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 261 (130) | 52001 | 520 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 262 (131) | 53001 | 530 | 1 | 2 | 1 | 1 | 1 | 1 | 2 | 1 |
| 263 (131) | 53002 | 530 | 1 | 2 | 1 | 1 | 1 | 3 | 2 | 1 |
| 264 (132) | 53301 | 533 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 |
| 265 (133) | 54101 | 541 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 266 (134) | 54901 | 549 | 1 | 1 | 1 | 1 | 2 | 1 | 2 | 1 |
| 267 (135) | 56501 | 565 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 1 |
| 268 (136) | 57401 | 574 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 269 (137) | 58001 | 580 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 270 (138) | 61601 | 616 | 1 | 1 | 1 | 2 | 2 | 2 | 2 | 1 |
| 271 (139) | 62801 | 628 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 272 (140) | 63101 | 631 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |
| 273 (141) | 63401 | 634 | 1 | 1 | 1 | 1 | 1 | 3 | 2 | 1 |
| 274 (142) | 65301 | 653 | 1 | 1 | 1 | 1 | 1 | 2 | 2 | 1 |

The Good Research for Comparative Effectiveness (GRACE) Checklist v5.0 for descriptive studies included in the meta-analysis:

Data:

D1. Were treatment and/or important details of treatment exposure adequately recorded for the study purpose in the data source(s)?

D2. Were the primary outcomes adequately recorded for the study purpose (e.g., available in sufficient detail through data source(s))?

D3. Was the primary clinical outcome(s) measured objectively rather than subject to clinical judgment (e.g., opinion about whether the patient’s condition has improved)?

D4. Were primary outcomes validated, adjudicated, or otherwise known to be valid in a similar population?

D5. Was the primary outcome(s) measured or identified in an equivalent manner between the treatment/ intervention group and the comparison group(s)?

D6. Were important covariates that may be known confounders or effect modifiers available and recorded?

Methods:

M1. Was the study (or analysis) population restricted to new initiators of treatment or those starting a new course of treatment?

M2. If one or more comparison groups were used, were they concurrent comparators? If not, did the authors justify the use of historical comparisons group(s)?

M3. Were important covariates, confounding and effect modifying variables taken into account in the design and/or analysis?

M4. Is the classification of exposed and unexposed person-time free of “immortal time bias”?

M5. Were any meaningful analyses conducted to test key assumptions on which primary results are based?

Answers:

Not enough information = 0

Yes=1

No=2

Table 1b

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | D1 | D2 | D3 | D4 | D5 | D6 | M1 | M2 | M3 | M4 | M5 |
| Pooled 2022 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 |
| Erdem 2012 (143) | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 |
| Asadipooya 2011 (144) | 2 | 2 | 1 | 1 | 2 | 2 | 1 | 0 | 2 | 2 | 2 |
| Gul 2008 (145) | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 0 | 2 | 2 | 2 |
| Akdeniz 1998 (146) | 1 | 1 | 1 | 1 | 2 | 2 | 1 | 0 | 2 | 2 | 2 |

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