

1 **APPENDIX**

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3 **Title of main manuscript:**

4 The correlation of meso-level characteristics of the health care system and socioeconomic inequality in
5 health care use: a scoping review protocol

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26 **Search strategy for Psychinfo Database**

27 (health AND services AND underuse)OR (health AND care AND seeking AND (behavior
28 OR behaviour))OR (healthcare AND seeking AND (behavior OR behaviour))OR (health
29 AND care AND (utilisation OR utilization))OR (healthcare AND (utilisation OR utilization
30))OR MA health services needs and demand OR (health AND services AND needs AND demand
31)OR MA delivery of health care OR (delivery AND health AND care)OR (delivery AND
32 healthcare)OR MA medical overuse OR (medical AND overuse)OR (health AND services
33 AND overuse)OR (health AND services AND (overutilisation OR overutilization))OR (health AND services AND (utilisation OR utilization))OR ((physicians OR physician) AND visits)OR ((children's doctor OR baby doctor) AND visits)OR ((paediatrician* OR pediatrician*

36) AND visits)OR MA referral and consultation OR (referral* AND consultation*)OR consultation*
 37) AND ((region* OR neighbourhood OR neighborhood OR geograph* OR local OR spatial
 38 OR borough) AND (MA health services accessibility OR (health AND services AND accessibility
 39)OR (access AND health AND care)OR (access AND healthcare)OR (availability AND
 40 health AND services)OR (travel AND (time OR times))OR (travel AND distance)OR ()
 41 waiting AND (OR time OR times))OR ((MA hospitals OR hospitals OR hospital) AND (MA
 42 beds OR beds))OR ((physicians OR physician) AND density)OR ((pediatricians OR
 43 pediatrician OR paediatricians OR paediatrician) AND density)OR ((general practitioners OR ()
 44 general AND practitioners)OR (general AND practitioner)) AND density)OR (supply
 45 AND health AND care)OR (supply AND healthcare)OR (office AND hours)OR ()
 46 consultation AND hours)) AND ((economic AND level)OR (assets AND index)OR SEP
 47 OR MA health status disparities OR (health AND status AND disparities)OR (health AND
 48 status AND disparity)OR MA health equity OR (health AND equity)OR MA social determinants
 49 of health OR (social AND determinants AND health)OR MA healthcare disparities OR (healthcare
 50 AND disparities)OR (health AND care AND disparities)OR (health AND care AND
 51 inequalities)OR (healthcare AND inequalities)OR (health AND care AND inequality)OR
 52 (healthcare AND inequality)OR (healthcare AND disparity)OR (health AND care AND
 53 disparity)OR (socioeconomic AND position)OR MA socioeconomic factors OR (socioeconomic
 54 AND factors)OR MA social class OR (social AND class)OR (socioeconomic AND status)OR
 55 (social AND gradient)OR inequity OR inequality OR gap OR MA poverty OR poverty OR
 56 deprivation OR education OR MA educational status OR (educational AND status)OR MA
 57 education OR MA income OR income OR schooling OR (family AND (MA income OR income)))

58 Limiters: Publication Year: 2000-2020; Language: English, German; Population Group: Human

59 Search modes: Boolean/Phrase

60

61 **Search strategy for Web of Science Database**

62 (TS=((((((((((((((((((((health) AND (services)) AND (underuse)) OR (((health) AND (care)) AND (seeking))
 63 AND ((behavior) OR (behaviour)))) OR (((healthcare) AND (seeking)) AND ((behavior) OR (behaviour)))) OR
 64 (((health) AND (care)) AND ((utilisation) OR (utilization)))) OR ((healthcare) AND ((utilisation) OR
 65 (utilization)))) OR (((health) AND (services)) AND (needs)) AND (demand))) OR (((delivery) AND (health))
 66 AND (care))) OR ((delivery) AND (healthcare)) OR ((medical) AND (overuse))) OR (((health) AND (services))
 67 AND (overuse)) OR (((health) AND (services)) AND ((overutilization) OR (overutilization)))) OR (((health)
 68 AND (services)) AND ((utilisation) OR (utilization)))) OR (((physicians) OR (physician)) AND (visits)) OR
 69 (((children) (s) (doctor)) OR ((baby) (doctor))) AND (visits)) OR (((paediatrician*) OR (pediatrician*)) AND
 70 (visits)) OR ((referral*) AND (consultation*)) OR (consultation*) AND (((((((region*) OR
 71 (neighbourhood)) OR (neighborhood)) OR (geograph*)) OR (local)) OR (spatial)) OR (borough)) AND
 72 (((((((((((((((((((health) AND (services)) AND (accessibility)) OR ((access) AND (health)) AND (care))) OR
 73 ((access) AND (healthcare))) OR (((availability) AND (health)) AND (services))) OR ((travel) AND ((time) OR
 74 (times)))) OR ((travel) AND (distance))) OR ((waiting) AND ((time) OR (times)))) OR (((hospitals) OR
 75 (hospital)) AND (beds))) OR (((physicians) OR (physician)) AND (density))) OR (((((pediatricians) OR
 76 (pediatrician)) OR (paediatricians)) OR (paediatrician)) AND (density))) OR (((((general) (practitioners)) OR
 77 ((general) AND (practitioners))) OR ((general) AND (practitioner))) AND (density))) OR (((supply) AND

121 "time"[Title/Abstract] OR "times"[Title/Abstract])) OR (("hospitals"[MeSH Terms] OR
 122 "hospitals"[Title/Abstract] OR "hospital"[Title/Abstract]) AND ("beds"[MeSH Terms] OR
 123 "beds"[Title/Abstract])) OR (("physicians"[MeSH Terms] OR "physicians"[Title/Abstract] OR
 124 "physician"[Title/Abstract]) AND "density"[Title/Abstract]) OR (("pediatricians"[MeSH Terms] OR
 125 "pediatricians"[Title/Abstract] OR "pediatrician"[Title/Abstract] OR "paediatricians"[Title/Abstract] OR
 126 "paediatrician"[Title/Abstract]) AND "density"[Title/Abstract]) OR ("general practitioners"[MeSH Terms]
 127 OR ("general"[Title/Abstract] AND "practitioners"[Title/Abstract]) OR ("general"[Title/Abstract] AND
 128 "practitioner"[Title/Abstract])) AND "density"[Title/Abstract]) OR ("supply"[Title/Abstract] AND
 129 "health"[Title/Abstract] AND "care"[Title/Abstract]) OR ("supply"[Title/Abstract] AND
 130 "healthcare"[Title/Abstract]) OR ("office"[Title/Abstract] AND "hours"[Title/Abstract]) OR
 131 ("consultation"[Title/Abstract] AND "hours"[Title/Abstract])) AND (("economic"[Title/Abstract] AND
 132 "level"[Title/Abstract]) OR ("assets"[Title/Abstract] AND "index"[Title/Abstract]) OR "SEP"[Title/Abstract]
 133 OR "health status disparities"[MeSH Terms] OR ("health"[Title/Abstract] AND "status"[Title/Abstract] AND
 134 "disparities"[Title/Abstract]) OR ("health"[Title/Abstract] AND "status"[Title/Abstract] AND
 135 "disparity"[Title/Abstract]) OR "health equity"[MeSH Terms] OR ("health"[Title/Abstract] AND
 136 "equity"[Title/Abstract]) OR "social determinants of health"[MeSH Terms] OR ("social"[Title/Abstract]
 137 AND "determinants"[Title/Abstract] AND "health"[Title/Abstract]) OR "healthcare disparities"[MeSH
 138 Terms] OR ("healthcare"[Title/Abstract] AND "disparities"[Title/Abstract]) OR ("health"[Title/Abstract]
 139 AND "care"[Title/Abstract] AND "disparities"[Title/Abstract]) OR ("health"[Title/Abstract] AND
 140 "care"[Title/Abstract] AND "inequalities"[Title/Abstract]) OR ("healthcare"[Title/Abstract] AND
 141 "inequalities"[Title/Abstract]) OR ("health"[Title/Abstract] AND "care"[Title/Abstract] AND
 142 "inequality"[Title/Abstract]) OR ("healthcare"[Title/Abstract] AND "inequality"[Title/Abstract]) OR
 143 ("healthcare"[Title/Abstract] AND "disparity"[Title/Abstract]) OR ("health"[Title/Abstract] AND
 144 "care"[Title/Abstract] AND "disparity"[Title/Abstract]) OR ("socioeconomic"[Title/Abstract] AND
 145 "position"[Title/Abstract]) OR "socioeconomic factors"[MeSH Terms] OR ("socioeconomic"[Title/Abstract]
 146 AND "factors"[Title/Abstract]) OR "social class"[MeSH Terms] OR ("social"[Title/Abstract] AND
 147 "class"[Title/Abstract]) OR ("socioeconomic"[Title/Abstract] AND "status"[Title/Abstract]) OR
 148 ("social"[Title/Abstract] AND "gradient"[Title/Abstract]) OR "inequity"[Title/Abstract] OR
 149 "inequality"[Title/Abstract] OR "gap"[Title/Abstract] OR "poverty"[MeSH Terms] OR
 150 "poverty"[Title/Abstract] OR "deprivation"[Title/Abstract] OR "education"[Title/Abstract] OR "educational
 151 status"[MeSH Terms] OR ("educational"[Title/Abstract] AND "status"[Title/Abstract]) OR
 152 "education"[MeSH Terms] OR "income"[MeSH Terms] OR "income"[Title/Abstract] OR
 153 "schooling"[Title/Abstract] OR (("family"[MeSH Terms] OR "family"[Title/Abstract]) AND ("income"[MeSH
 154 Terms] OR "income"[Title/Abstract])) AND ("2000/01/01"[PDAT] : "2020/03/31"[PDAT]) AND
 155 (English[lang] OR German[lang]) AND "humans"[MeSH Terms]

156

157 **Search strategy for Scopus Database**

158 TITLE-ABS-KEY (((health AND services AND underuse) OR (health AND care AND seeking AND (
 159 behavior OR behaviour)) OR (healthcare AND seeking AND (behavior OR behaviour)) OR (health
 160 AND care AND (utilisation OR utilization)) OR (healthcare AND (utilisation OR utilization)) OR (
 161 health AND services AND needs AND demand) OR (delivery AND health AND care) OR (delivery
 162 AND healthcare) OR (medical AND overuse) OR (health AND services AND overuse) OR (health
 163 AND services AND (overutilisation OR overutilization)) OR (health AND services AND (utilisation

164 OR utilization)) OR ((physicians OR physician) AND visits) OR ((children's AND doctor) OR (baby
165 AND doctor) AND visits) OR ((paediatrician* OR pediatrician*) AND visits) OR (referral* AND
166 consultation*) OR consultation*) AND ((region* OR neighbourhood OR neighborhood OR geograph*
167 OR local OR spatial OR borough) AND ((health AND services AND accessibility) OR (access AND
168 health AND care) OR (access AND healthcare) OR (availability AND health AND services) OR (
169 travel AND (time OR times)) OR (travel AND distance) OR (waiting AND (time OR times)) OR
170 ((hospitals OR hospital) AND beds) OR ((physicians OR physician) AND density) OR ((pediatricians
171 OR pediatrician OR paediatricians OR paediatrician) AND density) OR ((general AND practitioners
172 OR (general AND practitioners) OR (general AND practitioner)) AND density) OR (supply AND
173 health AND care) OR (supply AND healthcare) OR (office AND hours) OR (consultation AND
174 hours))) AND ((economic AND level) OR (assets AND index) OR sep OR (health AND status
175 AND disparities) OR (health AND status AND disparity) OR (health AND equity) OR (social AND
176 determinants AND health) OR (healthcare AND disparities) OR (health AND care AND disparities
177) OR (health AND care AND inequalities) OR (healthcare AND inequalities) OR (health AND care
178 AND inequality) OR (healthcare AND inequality) OR (healthcare AND disparity) OR (health AND
179 care AND disparity) OR (socioeconomic AND position) OR (socioeconomic AND factors) OR (social
180 AND class) OR (socioeconomic AND status) OR (social AND gradient) OR inequity OR inequality
181 OR gap OR poverty OR deprivation OR education OR (educational AND status) OR income OR
182 schooling OR (family AND income)) AND ((language, "ENGLISH") OR (language, "GERMAN"))
183 AND PUBYEAR > 1999