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1 **Reducing health inequities in asylum seekers with chronic non-communicable diseases:**
2 **Australian Context**

Summary text for the Table of Contents

What is known about the topic?

- Both healthcare workers and asylum seekers lack clarity on healthcare entitlements for asylum seekers. Asylum seekers end up not accessing healthcare services they are entitled to thereby compromising health outcomes for asylum seekers.

What does the paper add?

- Unrestrictive healthcare and working policies, food, English and pharmacy waiver programs and cultural competence have the potential to bridge the gap of inequities between asylum seekers and the host population.

Implications or impact of the discovery:

- More research is required on cogent health models that address, bridging the gap of inequalities in asylum seekers with chronic non-communicable diseases residing in the communities of high-income countries and the host population.

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10 **Reducing health inequities in asylum seekers with chronic non-communicable diseases:**
11 **Australian Context**

12 **Abstract:**

13 Asylum seekers may develop Chronic Non-Communicable Diseases pre- and post- arrival
14 due to poor living conditions, unhealthy lifestyles, restrictive and poor access to health
15 services. Despite their need for constant and continuous healthcare access due to poor
16 health, asylum seekers face restrictions on healthcare services access dependent on the
17 conditions of their visa in Australia. Some visas only allow access to hospital services with
18 restrictions on accessing primary health services such as General Practitioners or free
19 /discounted pharmaceutical products. These restrictions are not favourable for asylum
20 seekers with chronic diseases who require continuing healthcare access. Healthcare
21 access restrictions mitigate addressing health inequities considering asylum seekers are
22 already disadvantaged due to existing barriers such as culture / language differences,
23 health illiteracy and unfamiliarity in navigating healthcare services /entitlements. In
24 comparison host populations who are disadvantaged have access to free / discounted
25 pharmaceutical products and unrestricted access to primary and secondary healthcare
26 services.

27 Voices of those who engage with asylum seekers living in the community need to be
28 heard to understand what services asylum seekers with chronic diseases would find of
29 greatest benefit. Interviews were conducted with 10 frontline workers who constantly
30 engage with asylum seekers from three large asylum seeker 'pro bono' services in
31 Melbourne. These interviews were essential to understand in-depth challenges faced by
32 asylum seekers and their recommendations on policies, initiatives and programs that
33 could address health inequities that exist mainly between asylum seekers with chronic
34 non-communicable diseases and the host population

35 Participants were recruited through an email invitation by service managers some of
36 whom the researchers had previously engaged with. Participants contacted the
37 interviewer directly to express interest and agree on convenient times and places for
38 interviews. Interview were conducted over the phone and some in private rooms at

39 workplaces. The interviews audio-recorded, transcribed verbatim and data were analysed
40 using a thematic analysis framework.

41 Though the data collection method utilised a small and purposive sample size, the
42 findings were valuable as; despair, poverty, and poor health outcomes and prognosis,
43 especially in those asylum seekers with chronic non-communicable diseases such as
44 diabetes, hypertension, heart and respiratory diseases were exposed. From their
45 evaluation of programs and initiatives such as pharmacy waiver program, provision of
46 food through food banks, English programs and staff cultural competence training, they
47 identified these as having the potential to bridge the gap of inequities between asylum
48 seekers and the host population. Their recommendations based mainly on their
49 experience were: (1) cultural competence training; (2) use of interpreters; (3) free access
50 to health services and medication; (4) robust chronic non-communicable diseases
51 screening; and (5) health promotion and accessible food programs.

52 **Keywords:** Asylum seeker friendly services, cultural competence, chronic non-
53 communicable diseases, asylum seekers, frontline workers and health inequities.

54 Introduction

55 Globally by the end of 2019 79.5 million people were displaced from their homes mainly
56 due to armed conflict which resulted in 4.2 million asylum seekers and 26 million
57 refugees (UNHCR, 2020). The health systems of host countries need to adapt to be able
58 to accommodate the influx of asylum seekers and refugees who may present with poor
59 health due to high prevalence of chronic non-infectious diseases such as diabetes,
60 hypertension and respiratory diseases. World Health Organisation (WHO) (2020)
61 recommends unrestricted healthcare services for asylum seekers regardless of their legal
62 status to reduce health inequities in host countries. The health of asylum seekers is
63 already compromised by the journeys they make to reach host countries and healthcare
64 access restrictions exacerbate their poor health following arrival (Eckstein 2011). Health
65 inequities are differences in access to health resources between asylum seekers/refugees
66 and host country populations which can be reduced favourable host country government
67 policies (WHO, 2017). In Australia and other high-income countries, asylum seekers and
68 refugees are known to have poorer health in comparison to host populations (Timlin et
69 al. 2020; Spike et al. 2011). Findings from a scoping review on chronic non-communicable
70 diseases in asylum seekers exposed that in comparison to host populations they have
71 high incidences cardiovascular diseases and diabetes however, the exact statistics are
72 quite fluid (Agyemang et al, 2018). Asylum seekers face numerous challenges in host
73 countries such as language and cultural barriers, health illiteracy, poor housing and
74 healthcare access and work restrictions and difficulties navigating healthcare services
75 when move into communities where they have little or no assistance (Spike 2011; Fair et
76 al. 2018).

77 Restrictive healthcare access when asylum seekers have multi-faceted healthcare needs,
78 is detrimental to diseases prognosis and leads to higher health costs (Chuah et al. 2015).
79 Many asylum seekers have chronic non-communicable diseases (CNCDs) such as
80 diabetes, hypertension, cardiovascular disease and end-stage renal disease which require
81 ongoing treatment but there is little research on addressing chronic illnesses in this
82 populace because of health inequities (Adams, Gardiner & Assefi, 2004; Spike 2011).
83 Therefore, it is important to identify strategies that reduce the gap of health inequities
84 between asylum seekers and the host population. To address this issue, we conducted

85 semi-structured in-depth interviews with frontline workers to identify challenges asylum
86 seekers may face and also to seek recommendations on programs, initiatives or policies,
87 that could reduce health inequities.

88 The aims of the study were to identify challenges and health inequities encountered by
89 asylum seekers living in the community especially those with CNCs and document
90 recommendations from those who engage with asylum seekers in bridging this gap of
91 health inequities. When the study was conducted between November 2019 and January
92 2020 there were over 45,000 asylum seekers mainly from China, Malaysia, Libya, Syria,
93 Afghanistan, Iran, Turkey, Iraq and Pakistan awaiting deportation and over 35,000
94 awaiting refugee status determination in Australia (Refugee Council Australia, 2020).
95 Frontline workers are people who provide services to asylum seekers on a pro-bono or
96 paid basis. Frontline workers of interest in this study were those who provide services to
97 asylum seekers living in the community. Frontline workers are in constant contact with
98 asylum seekers and are acutely aware of their health care needs. Their recommendations
99 are essential because they are well informed through programs and the initiatives that
100 they undertake.

101 **Methods**

102 Participants were recruited through invitation email disseminated by the service
103 managers some of whom had previous contact with researchers. Participants contacted
104 the researcher to arrange interviews either by phone or face to face. Face to face
105 interviews were conducted in private rooms of participants' workplaces. To preserve
106 anonymity, those who were interested in participating contacted the interviewer directly
107 either by email or telephone call, making sure service managers were not aware they had
108 expressed interest to participate.

109 Interviews were conducted between November 2019 and January 2020 and purposive
110 sampling was implemented to recruit frontline health workers identified through three
111 Melbourne's major community asylum seekers' services. The 10 interviewees included a
112 one GP doctor, one psychiatrist, one psychologist, two nurses, two project workers (one
113 of whom was previously an asylum seeker), two service managers and one social worker.
114 To achieve a balanced representation of key workers who engage with asylum seekers,

115 we sought to interview frontline workers from various professional backgrounds. Data
116 saturation was achieved after interviewing 10 participants from three sites. Some of the
117 participants had worked across more than one site.

118 **Inclusion and Exclusion Criteria**

119 To meet inclusion criteria, interviewees were expected to be currently working with
120 asylum seekers in the community for at least two years and to previously or currently
121 been involved in running or managing one or more asylum seekers' programs in the
122 community. Workers who did not fit or only partially fitted the inclusion criteria were
123 excluded.

124 The majority of asylum seekers seen by the interviewed frontline workers were from
125 Iran, Iraq and Syria. Most of them were between 24-44 years of age. A majority of the
126 asylum seekers presented with diabetes, hypertension, heart diseases and respiratory,
127 with a smaller number with end stage renal disease.

128 The interviews were qualitative, semi-structured, in-depth in nature and questions were
129 derived from a topic guide which was informed by the study aims. The topic guide was
130 ideal as questions were open ended and allowed refining of questions to make sure
131 research questions were answered and relevant emerging recommendations were
132 pursued in depth (Pope, Ziebland and Mays, 2000). The interviews were conversational to
133 reduce high researcher bias which can occur with more structured questions. It is known
134 that qualitative interviews, though characterised by a small sample size, are useful for
135 attaining large amounts of rich data (Ritchie & Lewis 2003). The semi-structured, in-depth
136 approach allowed the interviewer the opportunity to uncover detailed complex and
137 sensitive phenomena (Barriball & While 1994). Ethics approval was obtained from the
138 Royal Melbourne Institute of Technology, Human Ethics Committee (Approval Number:
139 75-19/22416).

140 A framework was designed informed by The Framework Method (Ritchie & Lewis, 2003).
141 Themes were derived through the use of The Framework Method by an independent
142 researcher (IS). The other two researchers (GN & CL) reiterated the process of deducing
143 themes and rated them according to their relevance to the study aims. Where they were
144 inconsistencies the second independent researcher (GK) assisted in reaching consensus.

145 Interviews were audio-recorded and transcribed verbatim. Three pre-derived themes
146 were induced into the data collected. These themes were matched with views,
147 experiences and recommendations from the data collected (inductive approach).
148 Researchers chose quotes that elucidated the researchers' prior derived themes.
149 Throughout the analysis process the researchers discussed conflicting themes,
150 differences and identified appropriate quotes to reach the final selection of data that
151 fitted the themes. The use of three other researchers who did not conduct the interviews
152 to reiterate the data analysis process was important for reducing bias and enhancing
153 consistency and reliability (Daly, McDonald & Willis 1992; Waitzkin 1991).

154

155 **Results**

156 The three main pre-derived themes were health inequities specific to CNCDs and
157 challenges, bridging the gap and asylum seeker friendly services and policies.

158 **Health inequities specific to CNCDs and challenges,**

159 ***Current perceived challenges***

160 Professionals raised concerns on the challenges asylum seekers face in catering for their
161 healthcare needs such as not having access to Medicare (Australian universal health
162 insurance scheme accessible to Australians and those with visas which fit criteria to use
163 healthcare services at low or no cost), the Pharmaceutical Benefit Scheme (PBS)
164 (government scheme that give access to medicines at subsidised price to those eligible
165 such as; citizens and those with eligible visas) and State Resolutions Support Services
166 (SRSS) (financial and welfare support provided by the government to those who are
167 eligible). These factors were raised as the main obstacles in addressing health inequities.
168 In comparison permanent residents, Australian residents and Humanitarian permanent
169 visa holders (refugees) have access to Medicare, PBS and social welfare benefits. These
170 allow them access to unrestricted healthcare, free or discounted medicines and welfare
171 services. Refugees upon arrival receive high level support such as English language
172 lessons, housing, education and local community orientation.

173 *“Some of them can access health services, some of them cannot access health services in*
174 *terms of Medicare depending also on their legal status at that time”.*

175 *“It's really common for clients that we see to be in very difficult financial positions, and*
176 *most have no income at all, never mind some services to access both healthcare and PBS.*
177 *This is confusing because there's also this Medicare eligibility, about half our clients have*
178 *no eligibility so don't have any choice about where they go.”*

179 *“SRSS payments when they are stopped, it takes some time, and it's quite a lot of*
180 *challenge to get it”.*

181 *“Several are not going to the GP. Even if they could access the GP, they knew that they*
182 *would be prescribed something they couldn't access so they didn't bother going to the GP,*
183 *they thought it was pointless actually even getting there”.*

184 *“Not being able to pay for services causes a lot of stress for people that's really*
185 *unnecessary. It makes people reticent to go to a hospital or call an ambulance actually is*
186 *another problem we have. The other day we saw one who had severe chest pain and was*
187 *worried about calling an ambulance because last time he did, he actually had to pay. Who*
188 *knows he may have been experiencing a mild heart-attack?”*

189 **Disease screening priorities**

190 **Current disease screening protocol**

191 There was questioning and dissatisfaction on why CNCs, excluding mental health
192 illnesses, are not robustly screened in the same way as infectious diseases. It emerged
193 that mental health conditions are highly prioritised at entry and refugees would receive a
194 full health check compared to some asylum seekers who were only screened for
195 infectious diseases. Disease screening for asylum seekers is mainly for disease which are a
196 risk to public health. For example, upon entry the mandatory screening is for
197 tuberculosis, sexually transmitted infections such as syphilis and HIV, other screenings
198 maybe done on the doctor's discretion. Services highlighted issues around capacity and
199 capabilities in terms of funding and qualified professionals to carry out comprehensive
200 health assessments for CNCs, other than the presenting health issues and medication
201 needs.

202 *“They get screened fully for diseases such as Tuberculosis and not chronic illnesses such as*
203 *heart disease or diabetes. They need help with chronic illnesses diagnosis, support and*
204 *management by referring them to the right services.”*

205 *“It's hard to, sort of build the capacity. It's not the case management sort of service, you*
206 *don't get a sort of in-depth assessment process for CNCDS such as heart disease in*
207 *comparison to mental health conditions such as post-traumatic stress disorder (PSTD).”*

208

209 **Bridging the gap**

210 ***Considerations to bridge the gaps***

211 There were recommendations for programs and initiatives that they viewed as essential
212 in reducing the gap of accessibility of healthcare services especially for CNCDS.

213 *“The pharmacy waiver program just makes, prescription medicine available where it's not*
214 *otherwise. It takes a huge burden off people worrying about, particularly their children.*
215 *It's a targeted issue, it's a gap, and we've tried to fill it with this pharmacy waiver*
216 *program”.*

217 *“If you're talking about bridging the gap, access to Medicare would be a big thing. But*
218 *also access to culturally sensitive and asylum-seeker sensitive practitioners, where people*
219 *are going to be open to exploring the best way to assist the person, which I don't think is*
220 *always the case in services in the community”.*

221 *“There are restrictions, for example, in dealing with health around food. There are food*
222 *banks or emergency relief services, but normally they're restricted to say, you might be*
223 *able to only access them three times a year”.*

224 *“Not putting those restrictions of limits as to how often you can come and access the*
225 *service. Needs to be welcoming, be able to communicate effectively, and meeting needs of*
226 *those asylum seekers and being able to bend or change policy when people require a*
227 *higher level of service because of the situation that they find themselves in”.*

228 Health professionals agreed that asylum seekers with poor health should be allowed
229 access to healthcare services without restrictions especially those with CNCDS.

230 **Asylum seeker friendly services**

231 ***Favourable delivery processes***

232 There was a common consensus on what health professionals, thought would be defined
233 as an 'asylum seeker friendly service'. They agreed that they should have the following
234 features; use of interpreters, be comprehensive in nature, be run by culturally competent
235 staff, have referral services, have free access to services and pharmacy products, include
236 health promotion and food programs and be child friendly.

237 *"It needs to be affordable, comprehensive and to be provided in a culturally-appropriate*
238 *environment, services that understand the impact of trauma sensitisation and also*
239 *services that use interpreters and who have an understanding of the complex health*
240 *issues that people of that background might be facing".*

241 *"One that has good skills in using interpreters and using them consistently. One that*
242 *addresses not only the primary health needs, but also Maslow's hierarchy of needs. One*
243 *that addresses housing and access to food, because we can't address health needs unless*
244 *we've addressed physiological needs."*

245 **Deduced themes Cultural, sensitivity, awareness and competence; who takes over from**
246 **us?**

247 ***Strategies that improve interventions/services uptake for CNCDs***

248 There were concerns raised about how some community services do not have the
249 capacity to practice with cultural competence. The process of transitioning from asylum
250 seeker-based services into the community services was seen as failing asylum seekers.
251 Community health workers were said not to be aware of what help to give them mainly
252 due to not being able to understand their cultural needs which require tailoring to their
253 CNCDs. Increased interventions and services uptake compliance were highly attributed to
254 good cultural competence skills, especially when giving service to minority populations
255 with long-term conditions (CNCDs). Practicalities of handing over asylum seekers to
256 mainstream community services was cited as a big challenge due to lack of skills and
257 capacity.

258 *“If you're coming from a country where there isn't a tradition, you know. Then the kind of*
259 *Western medical system where you go to a GP who doesn't use interpreters. Some people*
260 *might just put up with their pain at home because the service providers don't understand*
261 *their culture that should be embedded in the care they expect to receive.”*

262 *“Due to conflicting ideas about treatment adherence and culture such as fasting and*
263 *taking medication with food. Repercussions may not be fully explained and they don't fully*
264 *comprehend what the condition is or why they should take medication or engage in any*
265 *kind of treatment, mainly because professionals lack cultural sensitivity, awareness and*
266 *competence to deal with these issues.”*

267 *“They'll need to have a really high level of understanding of working with this group of*
268 *people. Training needs to be ongoing. It needs to continually change as well, as new*
269 *groups arrive. Culture is different.”*

270 Frontline workers raised concerns on the need to share patient information, knowledge
271 and skills on how to care for asylum seekers in the community especially those with
272 CNCDs and may have restricted healthcare access. They perceive as their work of trying
273 to provide holistic service gone to waste when asylum seekers come back to them with
274 deteriorated health. This is mainly due to incompatible community services short of
275 meeting asylum seekers' needs, resulting in loss of continuation of health services access.

276 **Discussion**

277 The main concern raised by participants was that; healthcare access restrictions on
278 asylum seekers worsen their health outcomes in comparison to the host population
279 especially those with CNCDs such as heart disease, diabetes, kidney disease, hypertension
280 and respiratory diseases. The need to provide asylum seekers with health cards to access
281 medical services and pharmaceutical products was voiced unequivocally by all frontline
282 workers. They justified this initiative as a way to reduce health inequities and to promote
283 better health outcomes for this population. SRSS scheme (which is the government social
284 benefit scheme for asylum seekers) was identified as too complex and very bureaucratic
285 which makes this populace vulnerable to compromised healthcare services. Challenges
286 presented by complex healthcare entitlements system for asylum seekers and denial of
287 healthcare access which they sometimes deserve was evidenced in a study in Canada by

288 Chase et al. (2017) and Timlin et al. (2020). Policies that govern healthcare services access
289 for asylum seekers were thought to be harsh and made life unbearable for some them
290 who did not have working rights or of poor health. The Australian government has
291 committed to increase funding to foster community integration and improved healthcare
292 services in the community (Refugee Council, 2020). This would benefit those who are
293 eligible to entitlements in comparison to those without or have restricted entitlements.

294 Some food programs provided by charities and well-wishers were seen to be very good in
295 promoting healthy lifestyles but unfortunately some locations which provided these
296 services were not accessible by public transport. This in turn rendered these services non-
297 beneficial due to being inaccessible to the targeted populace.

298 Programs such as the pharmacy waiver programs were said to be very beneficial
299 especially to those with CNCs who required constant supply of pharmaceutical
300 products. Services reported that they put a lot of effort in promoting good health in
301 asylum seekers through food programs and health promotion activities. English lessons
302 were seen as a pillar for understanding better their health needs and diseases diagnosis
303 which could later translate to health literacy. Asylum seekers could then advocate for
304 themselves and possibly integrate better into their local communities' health services
305 when they speak and understand English. This is important because essentially when you
306 go to a new country you eventually do need to fit in enough to survive and fit in more if
307 you want to do well. Therefore, in addition to providing asylum seeker friendly services
308 we also need to be engaging them in education that will eventually enable them in the
309 general community.

310 Frontline workers' main concern was continuity of services they provide when asylum
311 seekers were expected to transition to other services, that are not specifically for asylum
312 seekers. They encounter health relapses due to the absence of a systematic way of
313 handing over asylum seekers to community services. A number of them end up coming
314 back with deteriorated health to utilise asylum seekers' services thereby putting a lot of
315 pressure on the already overstrained services and obviously they cannot turn them away.
316 This was evidenced in a number of previous studies where asylum seekers failed to
317 integrate into their local community services such as GP or maternal health services from
318 using asylum seekers specific services (Fair et al. 2018; Spike 2011).

319 The use of interpreters, culturally competent professionals were the common traits that
320 were attributed to services they would term as 'asylum seeker friendly services.' Use of
321 interpreters and understanding cultural needs of asylum seekers were reported to be of
322 main priority since they were seen to be essential in building trust and promoting health
323 services uptake increase. Asylum seekers kept coming back to these asylum seeker
324 services because they did not trust their local community health workers and mainly
325 because of the absence of interpreter services, cultural sensitivity, awareness and
326 competence within these services. The importance of having culturally competent
327 healthcare workers in enhancing comprehensive healthcare for asylum seekers and
328 refugees has been acknowledged in a number of studies carried out in culturally diverse
329 societies such as United Kingdom and United States of America (Quickfall 2014; Baumann
330 2009).

331 Frontline workers recommended that for services to reduce health inequities, bridge the
332 gap and be asylum seeker friendly, the services should be free, accessible, comprehensive
333 in nature, use interpreters, provide programs and initiatives that promote good health,
334 empower asylum seekers so to become employable and advocate for themselves and be
335 child friendly. It is important that host countries healthcare policies are inclusive in
336 promoting affordability of healthcare services by asylum seekers, and this coupled with
337 programs and initiatives which address healthcare needs of this populace may reduce the
338 gap of healthcare inequities with host populations.

339 If needs are to be addressed, efforts need to be channelled towards programs, initiatives
340 and restructuring and evaluating of social benefits policies favourable to addressing
341 social, economic and cultural determinants that impede positive health outcomes.
342 Programs and initiatives on health education and health promotion and culture
343 orientation and awareness could break down communication and language barriers and
344 promote inclusivity (Foundation House 2018; Eckstein 2011). The use of interpreters and
345 cultural awareness education amongst healthcare professionals who engage with asylum
346 seekers could bridge the cultural differences gap between them and the host population
347 (Joshi et al. 2013). By promoting these, asylum seeker friendly services, they become
348 health literate and appreciate the importance and benefits of interventions adherence to
349 treatment, which is crucial for the management of CNCDS. Asylum seekers face major

350 barriers in accessing healthcare services which translates to poor health outcomes due to
351 cultural and language barriers, poor health literacy, uncertainties around healthcare
352 entitlements, incapacity to afford medical bills and undetermined migration status
353 (Mahimbo et al. 2017; Mishori et al. 2017).

354 **Limitations of the study**

355 It is important to consider limitations to this study; the sample was purposive and small.
356 However, using a small sample size is common in qualitative research.. Little or no English
357 at all was spoken by the asylum seeker population that these health workers worked
358 with. . The findings would not necessarily translate to asylum seekers who speak good
359 English, are health literate and have healthcare services access.

360 The topic guide which was an unvalidated tool was used to initiate conversation and
361 direct towards the researcher's interest which presented potential researcher bias. There
362 is potential of both researcher and participant bias towards asylum seekers as they are a
363 subject of interest to both, with the possibility of over-estimating the margin of health
364 inequities.

365 However, frontline workers were from different professions and some of them had more
366 than 10 years' experience working with asylum seekers.. They have provided services for
367 a large population of asylum seekers (up to 1000), which makes their recommendations
368 important and generalisable to most asylum seekers who have CNCDS and with no access
369 to free healthcare services.

370 **Conclusion**

371 Frontline workers voiced the following: those with CNCDS require undisrupted
372 continuous healthcare, recommending healthcare access should be provided
373 continuously regardless of their claim status. They suggested that policies that are
374 restrictive on healthcare access for asylum seekers should be replaced by favourable ones
375 that promote better health outcomes through awarding non-restrictions on health
376 services, pharmaceuticals and food banks. Cultural competence was recommended in
377 improving interventions uptake and community integration which promotes increase in
378 uptake for community non-specific asylum seekers' healthcare services.

379 More research is needed on health models that are effective in promoting health in
380 asylum seekers with CNCs living in communities of high-income nations. Research
381 should focus more on CNCs such as hypertension, heart diseases, respiratory diseases
382 and renal diseases as these are often neglected, yet they badly jeopardise prospects of
383 asylum seekers contributing to the host country's workforce. There is a need for more
384 studies on strategies to build cultural competence capacity in community non- specific
385 asylum seeker services to help build trust, increase interventions and services uptake in
386 order to adequately address the needs of this populace.

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