

Supplementary Table 8. Synthesized concepts about experiences related to hearing aid sub-optimal use: non-device-related challenges (sub-domain 3b).

Synthesized concepts	Density	Hearing aid categories			List of studies
		<i>Conventional HAs</i>	<i>Smartphone- connected HAs</i>	<i>DTC HAs</i>	
Psychosocial (stigma)	8	✓		✓	Choi et al. (2019); Chundu et al. (2021); Dawes et al. (2014); Gallagher & Woodside (2018); Holman et al. (2019); Laplante-Levesque et al. (2013); Ritter et al. (2020); Stephens & Meredith (1991)
Attitude of hearing aid owner	7	✓	✓		Chundu et al. (2021); Gallagher & Woodside (2018); Greasley et al. (2014); Keidser et al. (2019); Laplante-Levesque et al. (2013); Linssen et al. (2013); Ng et al. (2017)
Self-perceived hearing loss or self-perceived need	6	✓			Gallagher & Woodside (2018); Guerra-Zúñiga et al. (2014); Linssen et al. (2013); Lockey et al. (2010); Ritter et al. (2020); Solheim et al. (2018)
Lack of information counseling	5	✓			Gallagher & Woodside (2018); Koskela et al. (2016); Linssen et al. (2013); Moroe & Vazanna (2019); Ritter et al. (2020)
Audiological service delivery	5	✓			Gallagher & Woodside (2018); Laplante-Levesque et al. (2012); Linssen et al. (2013); Ritter et al. (2020); Solheim et al. (2018)
Lack of self-perceived benefit or satisfaction	4	✓		✓	Laplante-Levesque et al. (2012); Linssen et al. (2013); Manchaiah et al. (2019); Solheim et al. (2018)
Social /environmental influences	3	✓	✓		Gomez et al. (2021); Keidser et al. (2019); Koskela et al. (2016)
Significant others	3	✓			Chundu et al. (2021); Laplante-Levesque et al. (2012); Linssen et al. (2013)
Digital literacy skills	3		✓		Gomez et al. (2021); Keidser et al. (2019); Ng et al. (2017)
Health-related factors	2	✓			Ritter et al. (2020); Solheim et al. (2018)
Acclimatization	2	✓		✓	Linssen et al. (2013); McPherson & Wong (2005)
Integration into daily life	1	✓			Ritter et al. (2020)
Dependency	1	✓			Chundu et al. (2021)
Hearing loss severity	1	✓			Guerra-Zúñiga et al. (2014)
Capabilities of hearing aid owner	1		✓		Gomez et al. (2021)

Note: DTC = Direct-to-consumer; HA = hearing aids