

**ONLINE SUPPLEMENTARY CONTENT**

**Table S1 – Details of included studies (N=247)**

Data file ID	Study	Participants	Continent	Study Design	Health perception focus	Donation status	Health perceptions measure	Perception type & valence	Results category*
3914	Abderrahman et al. (2014)(1)	Female 15.6% <40 yrs 90.8% FT donor 25.4%	Africa	Quantitative	Background	Whole blood; donor	Study specific	Belief – negative	6
4421	Abera et al. (2017)(2)	Female 43.0% Age NR FT donor NR	Africa	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief – negative Belief – uncategorized Experience – negative	1, 3, 4 8 3
4375	Abolfourh et al. (2014)(3)	Female 30.9% <40 yrs 48.8% FT donor 15.7%	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief – negative	4, 6
3458	Agrawal et al. (2013)(4)	Female 23.0% Age NR FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief – negative	2, 3, 6
3256	Ahmed et al. (2020)(5)	Female 44.2% M Age 21.7 yrs FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief – positive Belief – negative	8 6, 8
3342	Alam et al. (2004)(6)	Female NR <40 yrs 89.6% FT donor 73.2%	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief – positive Belief – negative	General 6
2711	Alanzi et al. (2019)(7)	Female 46.0% <40 yrs 65.0% FT donor 36.0%	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief – positive Belief – negative	General 6, 11
3028	Allieri S1 (2017)(8)	Female 52.0% Age NR FT donor NR	Europe	Qualitative	Background	Whole blood; non-donor	Study specific	Belief – negative	6
86954	Alfouzan (2014)(9)	Female 53.9% <40 yrs 50.7% FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief – negative	General
2979	Alharbi et al. (2018)(10)	Female 38.4% M Age 30.0 yrs FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief – positive	7, 9
3294	Al-Johar et al. (2016)(12)	Female 100.0% Age NR FT donor NR	Asia	Quantitative	Background	Whole blood; not specified	Study specific	Belief – negative	6
2888	Alva et al. (2019)(11)	Female 3.0% <40 yrs 43.9% FT donor NR	South America	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief – positive	General, 4, 7, 9
86953	Amatya (2013)(13)	Female 58.8% M Age 20.5 yrs FT donor 68.8%	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief – negative	3, 4, 6, 7, 11
54246	Amatya et al. (2012)(14)	Female 40.4% M Age 20.2 yrs FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief – negative Experience – negative	3, 6 10
2227	Ambati et al. (1997)(15)	Female 31.6% <40 yrs 78.4% FT donor NR	Asia	Quantitative	Background	Whole blood; not specified	Study specific	Belief – negative	6
1480	Anderson et al. (1999)(16)	Female 57.1% Age NR FT donor NR	North America	Mixed; Qualitative	Background	Plasma; donor	Focus groups/ interviews	Belief – negative Experience – negative	General, 2 3
1529	Anwer et al. (2016)(17)	Female 54.2% <40 yrs 65.4% FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief – negative	6

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Data file ID	Study	Participants	Continent	Study Design	Health perception focus	Donation status	Health perceptions measure	Perception type & valence	Results category*
86952	Ariffin et al. (2017)(18)	Female 74.2% M Age 22.1 yrs FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Amatya (2012)	Experience - negative	3, 10, 11, 12
947 & 955	Asamoah-Akuoko (2018 & 2021)(19, 20)	Female 36.7% <40 yrs 40.6% FT donor 23.0%	Africa	Mixed	Background	Whole blood; donor, non-donor	Focus groups/ interviews	Belief - positive Belief - negative Belief - uncategorised	General General, 1, 2, 3, 5, 6, 8, 9, 10, 11, 12, 14
907	Asenso-Mensah et al. (2014)(21)	Female 24.6% Age NR FT donor 79.1%	Africa	Quantitative	Background	Whole blood; donor	Study specific	Belief - negative	General
472	Asmawi et al. (2019)(22)	Female 54.0% <40 yrs 99.0% FT donor NR	Asia	Qualitative	Background	Whole blood; non-donor	Focus groups	Belief - negative	2, 6
239	Atherley et al. (2016)(23)	Female 60.3% <40 yrs 27.3% FT donor NR	North America	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	6
232	Atif et al. (2019)(24)	Female 2.8% <40 yrs 76.8% FT donor NR	Asia	Quantitative	Background	Whole blood; donor	Study specific	Belief - negative	2, 3
9769	Bagot et al. (2013)(25)	Female 33.3% M Age 46.0 yrs FT donor NR	Oceania	Qualitative	Background	Mixed; donor (inc. lapsed plasma)	Focus groups	Belief - negative Experience - negative	General 11, 12
9755	Bagot et al. (2015)(26)	Female 42.5% M Age 38.5 yrs FT donor 25%	Oceania	Qualitative	Background	Mixed; donor	Interviews	Belief - negative	General, 3
9519	Baig et al. (2013)(27)	Female 0.0% M Age 22.0 yrs FT donor 67.7%	Asia	Quantitative	Background	Whole blood; donor, non-donor	Interviews	Belief - negative	General, 3, 4, 6
9655	Bani et al. (2014)(30)	Female 38.0% M 41.2 yrs FT donor NR	Europe	Quantitative	Background	Whole blood; lapsed donor	Study specific	Belief - negative	10
9635	Bankole et al. (2008)(31)	Female 38.7% M Age 39.7 yrs FT donor NR	Africa	Quantitative	Background	Whole blood; not specified	Study specific	Belief - negative	6
8431	Bastani et al. (1996)(32)	Female 55.7% <40 yrs 52.2% FT donor NR	North America	Quantitative	Background	Whole blood; not specified	Study specific	Belief - negative	6
8362	Bathia et al. (2013)(33)	Female 35.6% M Age 19.9 yrs FT donor NR	Africa	Quantitative	Background	Whole blood; not specified	Sabu et al. (2011); Javazadeh Shahshahmehal, (2006)	Belief - negative	General
86949	Benedict et al. (2012)(34)	Female 23.6% Age NR FT donor NR	Africa	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	3, 6, 10
7280	Bertoni et al. (2011)(35)	Female 23.0% Age NR FT donor NR	South America	Quantitative	Background	Whole blood; not specified	Kelley et al. (1989)	Belief - negative	6
7766	Beyene (2020)(36)	Female 49.5% M Age 31.9 yrs FT donor 11.5%	Africa	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - positive Belief - negative	7, 8 4, 6, 8, 11, 14

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Data file ID	Study	Participants	Continent	Study Design	Health perception focus	Donation status	Health perceptions measure	Perception type & valence	Results category <sup>a</sup>
7748	Bhalwar et al. (2003)(37)	Female 48.2% Age NR FT donor NR	Asia	Quantitative	Background	Whole blood; not specified	Study specific	Belief - negative	6
7687	Bhattacharya et al. (2000)(38)	Female 44.9% M Age 15.8 yrs FT donor NR	North America	Quantitative	Background	Whole blood; not specified	Study specific	Belief - negative	6
7212	Bilal et al. (2016)(39)	Female 100.0% M Age 26.7 yrs FT donor NR	Asia	Quantitative	Background	Whole blood; non-donor	Study specific	Belief - negative	General, 1, 3, 6, 8, 11, 12
5914	Bourne et al. (2013)(40)	Female 45.0% <40 yrs 78.5% FT donor 10%	North America	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative Belief - uncategorised	General, 4, 6 8
6280	Bove et al. (2011)(41)	Female NR M Age 49.0 yrs FT donor NR	Oceania	Qualitative	Background	Plasma; donor	Focus groups	Experience - negative	General, 2, 3, 11
5659	Bravo et al. (2011)(42)	Female 60.1% <40 yrs 22.2% FT donor 23.6%	North America	Quantitative	Central	Whole blood; donor	Donor report	Experience - negative	11
5449	Bucunienne et al. (2006)(43)	Female 40.1% <40 yrs 41.0% FT donor 14.0%	Europe	Quantitative	Background	Whole blood; donor	Study specific	Belief - positive Belief - negative	General General
15061	Cable et al. (2019)(44)	Female 46.8% M Age 44.0 yrs FT donor 9.4%	North America	Quantitative	Background	Mixed; donor	Study specific	Belief - negative	4
14560	Casebeer (2002)(45)	Female 60.7% Age NR FT donor NR	North America	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	6, 7
13719	Charbonneau et al. (2013)(46)	Female 45.3% <40 yrs NR FT donor NR	North America	Qualitative	Background	Whole blood; donor, non-donor	Interviews	Belief - positive	General, 2, 3, 7, 9
13729	Charbonneau et al. (2015)(47)	Female 54.0% <40 yrs 45.5% FT donor NR	North America	Quantitative	Background	Mixed; repeat donor	Study specific	Belief - positive	3
13723	Charbonneau et al. (2018)(48)	Female 50.0% <40 yrs 40.0% FT donor NR	North America	Mixed: Quantitative	Background	Mixed; Donor	Charbonneau et al. (2015) & Interviews	Belief - positive	3
13074	Checkley et al. (2019)(49)	Female 49.4% Age NR FT donor NR	Africa	Mixed: Qualitative	Background	Whole blood; not specified	Interviews	Belief - negative	2
13337	Chen et al. (2015)(50)	Female 44.6% <40 yrs 57.8% FT donor NR	Asia	Mixed: Qualitative	Background	Whole blood; donor, non-donor	Interviews	Belief - negative	General, 2, 3, 4, 6, 8, 10, 12
12460	Chequer et al. (1997)(51)	Female 63.0% <40 yrs 58.0% FT donor NR	South America	Quantitative	Background	Whole blood; not specified	World Health Organization (1990) Global Program on AIDS protocol	Belief - negative	6
11964	Chopra et al. (2015)(52)	Female 42.5% M Age 21.3 yrs FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	General, 6
11659	Chuang et al. (1996)(53)	Female 37.1% M Age 39.5 yrs FT donor NR	North America	Quantitative	Background	Whole blood; not specified	Kelly et al. (1992); King et al. (1987)	Belief - negative	6

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12111	Cicolini et al. (2019)(64)	Female 79.9% M Age 24.7 yrs FT donor 21.1%	Europe	Quantitative	Background	Whole blood; non-donor	Study specific	Belief - negative	6, 11
12097	Ciepiela et al. (2017)(55)	Female NR Age NR FT donor NR	Europe	Quantitative	Background	Whole blood; non-donor	Study specific	Belief - negative	3, 6, 7, 11
11500	Conceição et al. (2016)(56)	Female NR Age NR FT donor NR	South America	Qualitative	Background	Whole blood; donor	Interviews	Experience - positive	9
10374	Covin et al. (2004)(57)	Female 100.0% M Age 20.0 yrs FT donor NR	North America	Qualitative	Central	Whole blood; donor	Donor report	Experience - negative	12
18670	Damulak et al. (2016)(58)	Female 68.3% M Age 23.7 yrs FT donor NR	Africa	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	2, 5, 6, 11
86946	Darega et al. (2015)(59)	Female 33.2% M Age 21.3 yrs FT donor 77.7%	Africa	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	1, 12
18219	Dawadi et al. (2020)(60)	Female 44.0% <40 yrs NR FT donor 58.5%	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	General
18454	Dean et al. (2018)(61)	Female 59.6% M Age 24.0 yrs FT donor NR	North America	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	6
17174	Denman et al. (1995)(62)	Female 52.5% <40 yrs 100% FT donor NR	Europe	Quantitative	Background	Whole blood; not specified	Study specific	Belief - negative	6
17175	Denman et al. (1996)(63)	Female 53.0% <40 yrs 100% FT donor NR	Europe	Quantitative	Background	Whole blood; not specified	Study specific	Belief - negative	6
16431	Dilsad et al. (2014)(64)	Female 100.0% <40 yrs 68.4% FT donor NR	Asia	Qualitative	Background	Whole blood; non-donor	Interviews	Belief - negative Belief - positive	General, 4, 6 9
16176	Doshi et al. (2018)(65)	Female 81.8% Age NR FT donor NR	Asia	Quantitative	Background	Whole blood; not specified	Study specific	Belief - negative	6, 11
15318	Dubey et al. (2014a)(66)	Female 26.7% <40 yrs 80.3% FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	General, 4, 6, 14
15321	Dubey et al. (2014b)(67)	Female 23.0% <40 yrs 100.0% FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	6
22777	Ehimen et al. (2016)(68)	Female 58.1% <40 yrs 94.0% FT donor NR	Africa	Quantitative	Other: Background	Whole blood; donor, non-donor	Study specific	Belief - negative	6
86945	Elias et al. (2016)(69)	Female 28.0% M Age 24.0 yrs FT donor 45.2%	Africa	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Experience - negative	2, 11
22870	Elliot et al. (1999)(70)	Female 86.8% M Age 26.9 yrs FT donor NR	Oceania	Quantitative	Background	Whole blood; not specified	Study specific	Belief - negative	6

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22255	El-Qaderi (2004)(71)	Female 53.2% Age NR FT donor NR	Asia	Quantitative	Background	Whole blood; not specified	Study specific	Belief - negative	6
22029	Erwin et al. (2009)(72)	Female NR Age NR FT donor NR	Asia	Qualitative	Background	Whole blood; not specified	Interviews	Belief - negative Experience - negative	General, 1, 3, 6, 11 2, 4
21990	Eshak et al. (2019)(73)	Female 57.0% M Age 21.9 yrs FT donor 57.4%	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	4, 6, 7
20717	Ferdousi et al. (2015)(74)	Female NR Age NR FT donor NR	Oceania	Qualitative	Background	Whole blood; not specified	Focus groups	Belief - positive Belief - negative	7, 9 3, 6, 10, 11, 12, 14
20660	Ferguson et al. (2019)(75)	Female 61.0% M Age 27.5 yrs FT donor 25.6%	Europe	Quantitative	Background	Whole blood; donor	Study specific	Belief - positive	General, 7
21221	Fernandez-Montoya et al. (1998)(76)	Female 65.9% M Age 42.2 yrs FT donor NR	Europe	Quantitative	Background	Whole blood; donor	Study specific	Belief - positive Belief - negative	General General, 3, 6
21110	Ferreira et al. (2014)(77)	Female 28.0% <40 yrs 39.6% FT donor NR	South America	Quantitative	Background	Whole blood; donor	Study specific	Belief - positive	9
19684	Frye et al. (2014)(78)	Female NR Age NR FT donor NR	North America	Qualitative	Background	Whole blood; not specified	Focus groups	Belief - negative	11
26922	Gader et al. (2011)(79)	Female 0.0% <40 yrs 64.0% FT donor NR	Asia	Quantitative	Background	Whole blood; non-donor	Study specific	Belief - negative	General
27137	Gammon et al. (2018)(80)	Female 41.5% Age NR FT donor 4.6%	North America	Quantitative	Background	Mixed; donor	Study specific	Experience - negative	10
27100	Gani (2017)(81)	Female 41.1% Age NR FT donor 52.3%	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	General, 3, 6
27028	Gao et al. (2017)(82)	Female 69.9% <40 yrs 92.8% FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - positive Belief - negative	General General, 6
26380	Getta et al. (2018)(83)	Female 0.0% M Age 33.9 yrs FT donor 50.0%	Asia	Quantitative	Background	Whole blood; donor	Study specific	Belief - positive	7, 13
25486	Gilani et al. (2007)(84)	Female NR <40 yrs 69.3% FT donor NR	Asia	Quantitative	Background	Whole blood; non-donor	Study specific	Belief - negative	3
25095 & 25111	Glynn et al. (2001 & 2002)(85, 86)	Female NR Age NR FT donor NR	North America	Quantitative	Background	Mixed; donor	REDS 1998 survey	Belief - positive	General
25100	Glynn et al. (2006)(87)	Female 51.9% M Age 37.8 yrs FT donor 32.7%	North America	Quantitative	Background	Whole blood; donor	REDS 2003 survey	Belief - positive	General

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Data file ID	Study	Participants	Continent	Study Design	Health perception focus	Donation status	Health perceptions measure	Perception type & valence	Results category*
25019	Goldman et al. (2014)(88)	Female 57.0% Age NR FT donor 19.0%	North America	Quantitative	Background	Whole blood; donor	Interviews	Belief – positive Belief – negative	General General
25567	Goldman et al. (2013b)(89)	Female 50.3% Age NR FT donor 35.6%	North America	Quantitative	Central	Whole blood; donor	Goldman et al. (2001)	Experience – negative	3, 10, 11, 12
24905	Gomez et al. S2 (2013)(90)	Female 56.1% Age NR FT donor NR	North America	Quantitative	Background	Whole blood; not specified	Study specific	Belief – negative	6
24836	Gonzalez et al. (2008)(91)	Female 48.0% M Age 30.0 yrs FT donor 43.0%	South America	Quantitative	Background	Whole blood; donor	REDS 1998 survey	Belief – positive	9
86940	Grossman et al. (2005)(92)	Female 100.0% <40 yrs 100.0% FT donor 31.0%	North America	Mixed; qualitative	Background	Whole blood; donor, non-donor	Study specific	Belief – negative	6
9453 & 23843	Gupta et al. (2020 & 2021)(28, 29)	Female 2.9% <40 yrs 39.3% FT donor 31.7%	Asia	Quantitative	Central	Mixed; donor	Interviews	Experience – negative	3, 11, 12
31138	Hancock et al. (1999)(93)	Female 57.5% M Age 16.3 yrs FT donor NR	North America	Quantitative	Background	Whole blood; not specified	San Diego County Office's High School HIV/Abstinence education program	Belief – negative	6
86936	Harrington (2012)(94)	Female NR Age NR FT donor NR	Africa	Mixed; quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief – negative	General, 3, 4, 6, 8, 14
30831	Harrington et al. (2007)(95)	Female 57.6% <40 yrs 16.3% FT donor NR	Europe	Quantitative	Background	Whole blood; non-donor	Study specific	Belief – negative	6, 10, 11
28509	Hong et al. (2011)(96)	Female 60.0% M Age 20.6 yrs FT donor 24.0%	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief – positive Belief – negative Experience – negative	General General, 11 3, 11, 12
28163	Hosain et al. (1997)(97)	Female 16.8% M Age 22.0 yrs FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief – negative	General, 3, 4, 6, 7, 11
33743	Imperato (1996)(98)	Female 44.4% Age NR FT donor NR	North America	Quantitative	Background	Whole blood; not specified	Study specific	Belief – negative	6
34097	Inaba et al. (2013)(99)	Female 26.8% M Age 41.2 yrs FT donor 6.6%	Asia	Quantitative	Central	Whole blood; donor	Study specific	Belief – negative Experience – negative	10 11
33223	Jaafar et al. (2017)(100)	Female 50.0% M Age 23.0 yrs FT donor NR	Asia	Qualitative	Background	Whole blood; donor	Interviews	Belief – negative Experience – positive	10 9
33194	Jacobs et al. (1995)(101)	Female 22.9% Age NR FT donor NR	Africa	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief – positive Belief – negative	General General, 6
32861	James et al. (2013)(102)	Female 69.7% <40 years 30.0% FT donor 13.0%	North America	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief – negative	6, 11

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32689	Japar et al. (2018)(103)	Female 72.4% M Age 21.7 yrs FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative Belief - uncategorised	General, 4 8
32999	Javazadeh Shahshahani (2007)(104)	Female 100.0% M Age 35.0 yrs FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	1, 6
32994	Javazadeh Shahshahani et al. (2006)(105)	Female 50.0% <40 yrs 50.0% FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - positive Belief - negative	General, 7, 9 General
32993	Javaeed et al. (2020)(106)	Female 69.5% M Age 21.2 yrs FT donor NR	Asia	Quantitative	Background	Whole blood; not specified	Study specific	Belief - positive Belief - negative	General General General, 4, 6
32616	Jemberu et al. (2016)(107)	Female 55.2% <40 yrs 68.2% FT donor 63.7%	Africa	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - positive Belief - negative	General, 7 4, 6, 11, 14
31768	Joshi et al. (2017)(108)	Female 41.7% M Age 39.1 yrs FT donor NR	Europe	Qualitative	Background	Whole blood; non-donor	Interviews	Belief - positive Belief - negative	9 5
86933	Kabinda et al. (2014)(109)	Female 38.5% M Age 29.0 yrs FT donor 27.3%	Africa	Quantitative	Background	Whole blood; non-donor	Study specific	Belief - negative	6, 10
39023	Kamel et al. (2010)(110)	Female 48.0% <40 yrs 22.0% FT donor 21.0%	North America	Quantitative	Background	Mixed; donor	Donor report	Experience - negative	10, 11, 12
38549	Kar et al. (2004)(111)	Female 25.5% Age NR FT donor 70.6%	Asia	Quantitative	Background	Whole blood; donor	Study specific	Experience - negative	2, 3
38528	Karacan et al. (2013)(112)	Female 0.0% M Age 33.0 yrs FT donor 11.6%	Asia	Quantitative	Background	Whole blood; donor	Study specific	Belief - positive	General
38525	Karacaoglu et al. (2020)(113)	Female 45.5% M Age 19.9 yrs FT donor NR	Asia	Quantitative	Background	Whole blood; not specified	Study specific	Belief - negative	3, 6, 11
38638	Kasraian (2010)(114)	Female 19.6% M Age 32.6 yrs FT donor 45.1%	Asia	Quantitative	Background	Whole blood; lapsed donor	Study specific	Belief - positive Belief - negative Experience - negative	General 6 10
38620	Kasraian et al. (2012)(115)	Female 5.5% M Age 37.8 yrs FT donor 14.3%	Asia	Quantitative	Background	Whole blood; donor	Study specific	Belief - positive	General
38628	Kasraian et al. (2020a)(116)	Female 4.0% <40 yrs 40.0% FT donor 33.3%	Asia	Quantitative	Background	Whole blood; donor	Maghaidi et al. (2011)	Belief - positive	General
38630	Kasraian et al. (2020b)(117)	Female 100.0% M Age 35.8 yrs FT donor 93.3%	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - positive Belief - negative Experience - negative	General 3, 4, 6, 11, 12 3, 4
38301	Kayani et al. (2019)(118)	Female 37.4% <40 yrs 95.3% FT donor NR	Asia	Quantitative	Central	Whole blood; donor, non-donor	Study specific	Belief - positive Belief - negative	7, 8, 9 General, 7, 12

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38227	Kebede et al. (2019)(119)	Female 35.0% <40 yrs 76.6% FT donor NR	Africa	Quantitative	Background	Whole blood; donor, non-donor	NBBSE (2016)	Belief - negative	3, 5, 6, 11, 13
37191	Khan et al. (2018)(120)	Female 72.9% <40 yrs 100.0% FT donor NR	Asia	Quantitative	Background	Whole blood; not specified	Study specific	Belief - negative	6
36339	Klinkenberg et al. (2018)(121)	Female 73.8% M Age 43.0 yrs FT donor NR	Europe	Quantitative	Background	Whole blood; lapsed donor	Study specific	Experience - negative	10
35178	Kowsalya et al. (2013)(122)	Female NR Age NR FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - positive Belief - negative	General 4
34442	Kristy (1998)(123)	Female NR Age NR FT donor NR	Oceania	Mixed; NS	Central	Whole blood; not specified	Interviews	Belief - negative	2, 3, 5, 11
34561	Kuruvatti et al. (2011)(124)	Female 52.2% Age NR FT donor NR	Europe	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	6, 10
43242	Leigh et al. (2007)(125)	Female 45.0% Age NR FT donor NR	Europe	Mixed; Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	6
40934	Lindley et al. (2010)(126)	Female 61.0% M Age 50.9 yrs FT donor NR	North America	Quantitative	Background	Whole blood; not specified	Study specific	Belief - negative	6
39701	Lynch et al. (2018)(127)	Female 46.7% <40 yrs 20.0% FT donor NR	Europe	Qualitative	Background	Whole blood; donor	Study specific	Belief - positive Belief - negative Experience - negative	General, 3, 8, 9 General, 5 11
54617	Maghsudlu et al. (2011)(128)	Female 14.9% M Age 35.2 yrs FT donor 24.1%	Asia	Quantitative	Background	Whole blood; donor	Study specific	Belief - positive	General, 8, 9
54783	Mahon-Daly (2012)(129)	Female 57.5% Age NR FT donor NR	Europe	Qualitative	Background	Whole blood; donor	Study specific	Belief - positive Experience - positive	9 General
54359	Malako et al. (2019)(130)	Female 40.8% <40 yrs 96.8% FT donor NR	Africa	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	General, 3, 6, 10
54312	Malik et al. (2010)(131)	Female 15.0% M Age 35.0 yrs FT donor 93.0%	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - positive Belief - negative	General 6
53751	Marantidou et al. (2007)(132)	Female 50.5% <40 yrs 69.3% FT donor NR	Europe	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	4, 6, 11
53394	Martin-Santana et al. (2020)(133)	Female 74.3% <40 yrs 68.3% FT donor NR	Europe	Quantitative	Background	Whole blood; non-donor	Study specific	Belief - positive Belief - negative	General 12
53203	Masser et al. (2013)(134)	Female 63.2% Age NR FT donor NR	Oceania	Mixed; Quantitative	Background	Whole blood; donor	BDRI	Belief - positive Belief - negative Experience - negative	General 6, 11 3, 10, 11

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Table S1 - Details of included studies (N=247) - follows from previous page

Data file ID	Study	Participants	Continent	Study Design	Health perception focus	Donation status	Health perceptions measure	Perception type & valence	Results category <sup>a</sup>
52228	Masser et al. (2016)(135)	Female 50.0% M Age 40.4 yrs FT donor NR	Oceania	Quantitative	Background	Mixed; donor	Study specific	Experience - negative	10
52991	Mathew et al. (2007)(136)	Female 53.0% <40 yrs 47.0% FT donor NR	North America	Qualitative	Background	Whole blood; lapsed donor, non-donor	Study specific	Belief - negative	6
52104	McVittie et al. S1 (2006)(137)	Female NR Age NR FT donor NR	Europe	Mixed: Qualitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	6
86929	Meinia et al. (2016)(138)	Female NR Age NR FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - positive Belief - negative	General 2, 4, 8
51913	Meiku et al. (2018)(139)	Female 82.7% <40 yrs 100.0% FT donor NR	Africa	Quantitative	Background	Whole blood; donor	Study specific	Experience - negative	3
50838	Mirza et al. (2015)(140)	Female NR Age NR FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	6
86928	Misganaw et al. (2014)(141)	Female 46.4% M Age 21.0 yrs FT donor NR	Africa	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	2, 3, 4, 6
51198	Mishra et al. (2016)(142)	Female 34.6% M Age 19.8 yrs FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - positive Belief - negative	General, 4, 7, 8 3, 6
51187	Misje et al. (2005)(143)	Female 47.0% Age NR FT donor 8.0%	Europe	Quantitative	Background	Whole blood; donor	Volunteer Functions Inventory	Belief - positive	General
86919	Mohammed et al. (2016)(144)	Female 67.4% M Age 20.1 yrs FT donor NR	Asia	Quantitative	Background	Whole blood; non-donor	Study specific	Belief - negative	11
50718	Mohammed et al. (2018)(145)	Female 26.9% M Age 29.2 yrs FT donor 54.9%	Africa	Quantitative	Background	Whole blood; donor	Study specific	Belief - negative	3, 6, 11
50549	Montoya et al. (2001)(146)	Female 58.4% <40 yrs 100.0% FT donor NR	North America	Quantitative	Background	Whole blood; not specified	Study specific	Belief - negative	6
50525	Moog (2004)(147)	Female NR Age NR FT donor NR	Europe	Quantitative	Background	Mixed; donor	Unknown	Experience - negative	3
50006	Morand et al. (2016)(148)	Female 49.6% M Age 37.0 yrs FT donor 14.9%	Europe	Quantitative	Background	Whole blood; donor	Study specific	Experience - negative	3, 11
49623	Mousavi et al. (2011)(149)	Female 41.5% <40 yrs 59.0% FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - positive Belief - negative	General 4, 6
86927	Mulatu et al. (2017)(150)	Female 48.4% <40 yrs 65.2% FT donor NR	Africa	Quantitative	Background	Whole blood; not specified	Study specific	Belief - negative	3, 6, 11

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Table S1 - Details of included studies (N=247) - follows from previous page

Data file ID	Study	Participants	Continent	Study Design	Health perception focus	Donation status	Health perceptions measure	Perception type & valence	Results category*
49340	Mumtaz et al. (2012)(151)	Female NR Age NR FT donor NR	Asia	Qualitative	Background	Whole blood; not specified	Focus groups/ interviews	Belief - negative	General, 1
48993	Muthivi et al. (2015)(152)	Female 35.0% Age NR FT donor NR	Africa	Qualitative	Background	Whole blood; donor, non-donor	Focus Groups	Belief - positive Belief - negative	General General, 6, 11, 12
49183	Mwaba et al. (1995)(153)	Female 50.0% M Age 20.8 yrs FT donor NR	Africa	Quantitative	Background	Whole blood; not specified	Study specific	Belief - negative	General, 3, 6
56723	Namba et al. (2021)(154)	Female 72.3% M Age 35.5 yrs FT donor NR	Asia	Quantitative	Central	Whole blood; donor	Donor report	Experience - negative	10, 11
56631	Narayanan et al. (2020)(155)	Female NR Age NR FT donor NR	Asia	Quantitative	Background	Whole blood; donor	Study specific	Belief - positive Experience - negative	General 10
56918	Natukunda et al. (2015)(156)	Female 36.0% Age NR FT donor NR	Africa	Mixed: Qualitative	Background	Whole blood; not specified	Focus Groups	Belief - negative	General
56882	Navkudkar et al. (2021)(157)	Female 13.0% M Age 30.4 yrs FT donor NR	Asia	Quantitative	Background	Whole blood; donor	Interviews	Experience - negative	10
56205	Nepal (2015)(158)	Female 54.6% M Age 23.0 yrs FT donor NR	Asia	Quantitative	Background	Whole blood; not specified	Study specific	Belief - positive Belief - negative	General General, 3, 6, 11
56029	Newman (2001)(159)	Female 58.3% Age NR FT donor NR	North America	Quantitative	Central	Whole blood; donor	Donor report	Experience - negative	12
56032	Newman et al. (2001)(160)	Female NR Age NR FT donor NR	North America	Quantitative	Central	Whole blood; donor	Donor report	Experience - negative	11
56000, 56004 & 56011	Newman et al. (2003, 2005, & 2006)(161-163)	Female 55.3% Age NR FT donor 16.5%	North America	Quantitative	Central	Whole blood; donor	Study specific	Experience - negative	3, 11, 12,
56383	Ngoma et al. (2013)(164)	Female 43.5% M Age 20.3 yrs FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	General, 10
56363	Nguyen et al. (2008)(165)	Female 50.0% <40 yrs 35.1% FT donor 8.0%	North America	Quantitative	Background	Mixed; donor	REDS 1998 survey	Belief - positive	General
55654	Nilsson et al. (2003)(166)	Female NR Age NR FT donor NR	Europe	Quantitative	Central	Whole blood; donor	Study specific	Experience - positive Experience - negative	General, 3 General, 3, 6, 11, 13
86921	Nwabueze et al. (2014)(167)	Female 39.1% <40 yrs 94.9% FT donor NR	Africa	Quantitative	Background	Whole blood; not specified	Study specific	Belief - negative	2, 6, 13
86920	Nwogoh et al. (2013)(168)	Female 55.6% M Age 32.0 yrs FT donor NR	Africa	Quantitative	Background	Whole blood; not specified	Study specific	Belief - negative	General, 3, 6, 10

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Table S1 - Details of included studies (N=247) - follows from previous page

Data file ID	Study	Participants	Continent	Study Design	Health perception focus	Donation status	Health perceptions measure	Perception type & valence	Results category <sup>a</sup>
62272	Obi (2007)(169)	Female 0.0% M Age 26.2 yrs FT donor NR	Africa	Quantitative	Background	Whole blood; not specified	Study specific	Belief - negative	6
62184	O'Brien et al. (2013)(170)	Female 52.7% <40 yrs 88.8% FT donor 47.5%	Mixed	Mixed	Background	Whole blood; donor	Interviews/study specific	Belief - positive Belief - negative	General General, 1, 6
62530	Ogboghodo et al. (2015)(171)	Female 36.4% M Age 26.2 yrs FT donor NR	Africa	Quantitative	Background	Whole blood; not specified	Study specific	Belief - negative	11
62069	Öhrner et al. (2019)(172)	Female 0.0% <40 yrs 100.0% FT donor 32.0%	Europe	Quantitative	Background	Whole blood; lapsed donor	Study specific	Experience - negative	11
62400	Olaiya et al. (2004)(173)	Female 1.1% M Age 33.3 yrs FT donor NR	Africa	Quantitative	Background	Whole blood; donor	Study specific	Belief - negative	1, 2, 6, 7, 8, 12, 14
60955	Otong et al. (1997)(174)	Female NR Age NR FT donor NR	Africa	Mixed: Qualitative	Background	Whole blood; not specified	Focus Groups	Belief - negative	General
60864	Ou-Yang et al. (2017a)(175)	Female NR Age NR FT donor NR	Asia	Quantitative	Background	Whole blood; donor	Study specific	Belief - negative	6
60870	Ou-Yang et al. (2017b)(176)	Female 50.3% <40 yrs 87.1% FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - positive	General
61314	Padhaygumar et al. (2012)(177)	Female NR M Age 15.0 yrs FT donor NR	Asia	Quantitative	Background	Whole blood; not specified	Study specific	Belief - negative	6
60489	Pandey et al. (2020)(178)	Female 43.9% <40 yrs 8.1% FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	4, 6, 11
60343	Papagiannis et al. (2016)(179)	Female 77.5% M Age 21.2 yrs FT donor NR	Europe	Quantitative	Background	Whole blood; non-donor	Study specific	Belief - negative	General
59750	Pathuri et al. (2018)(180)	Female NR Age NR FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	General
59737	Patil (2016)(181)	Female NR Age NR FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	2, 3, 4, 6
58906	Polonsky et al. (2011)(182)	Female 51.1% Age NR FT donor NR	Oceania	Qualitative	Background	Whole blood; not specified	Focus Groups	Belief - negative	3
60067	Raghuwanshi et al. (2016)(183)	Female 32.1% M Age 20.0 yrs FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - positive Belief - negative	General 6, 11
65146	Randall (1996)(184)	Female NR Age NR FT donor NR	North America	Quantitative	Background	Whole blood; not specified	Study specific	Belief - negative	6
65029	Ray et al. (2005)(185)	Female 11.0% <40 yrs 94.0% FT donor 18.0%	Asia	Quantitative	Background	Whole blood; donor	Study specific	Belief - positive	8

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Table S1 - Details of included studies (N=247) - follows from previous page

Data file ID	Study	Participants	Continent	Study Design	Health perception focus	Donation status	Health perceptions measure	Perception type & valence	Results category*
64951 & 64952	Renzaho et al. (2012 & 2013)(186, 187)	Female 43.8% M Age 33.0 yrs FT donor NR	Oceania	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	6
64158	Rodell et al. (1999)(188)	Female 33.0% M Age 32.9 yrs FT donor NR	North America	Quantitative	Background	Plasma; donor	Study specific	Belief - negative Experience - negative	General 10
63939	Rolseth et al. (2014)(189)	Female 20.5% M Age 37.0 yrs FT donor NR	Africa	Qualitative	Background	Whole blood; donor, non-donor	Interviews	Belief - negative	General, 4
63397	Romero-Dominquez et al. (2019)(190)	Female 51.1% M Age 35.7% <40 yrs 35.7% FT donor NR	Europe	Quantitative	Background	Whole blood; donor	Study specific	Belief - negative	4, 11, 12
63264	Rose et al. S1 (2014)(191)	Female 67.7% Age NR FT donor NR	North America	Quantitative	Central	Whole blood; not specified	Study specific	Belief - negative	10
79950	Salaudeen et al. (2011a)(192)	Female 45.1% M Age 22.0 yrs FT donor NR	Africa	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	1, 2, 3, 6, 7, 8, 11, 12
79952	Salaudeen et al. (2011b)(193)	Female 52.0% M Age 28.0 yrs FT donor NR	Africa	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - positive Belief - negative	8 4, 6, 11, 14
73736	Salvadori et al. (2019)(194)	Female 29.2% M Age 42.1 yrs FT donor 1.6%	Europe	Quantitative	Central	Whole blood; donor	Donor report	Experience - negative	11
73672	Sampath et al. (2007)(195)	Female 56.2% <40 yrs 36.4% FT donor NR	South America	Quantitative	Background	Whole blood; non-donor	Study specific	Belief - negative	6, 11
73641	Sanabria (2009)(196)	Female NR Age NR FT donor NR	South America	Qualitative	Central	Mixed; not-specified	Interviews	Belief - positive Experience - positive	8, 9 9
73534	Sarma et al. (2016)(197)	Female NR Age NR FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - positive Belief - negative	General General
73020	Sataweddi (2011)(198)	Female 50.5% <40 yrs 84.0% FT donor NR	Asia	Mixed	Background	Whole blood; donor, non-donor	Study specific	Belief - positive Belief - negative	7, 8 6, 8, 11
72795	Schlumpf et al. (2008)(199)	Female 53.5% <40 yrs 40.7% FT donor NR	North America	Quantitative	Background	Whole blood; donor	REDS 2003 survey	Experience - negative	10
72495	Schreiber et al. (2006)(200)	Female 63.5% Age NR FT donor NR	North America	Quantitative	Background	Whole blood; lapsed donor	REDS 2003 survey	Experience - negative	10
86913	Seid et al. (2017)(201)	Female 46.8% M Age 30.6 yrs FT donor NR	Africa	Quantitative	Background	Whole blood; non-donor	Study specific	Belief - negative	3
71398	Sekoni et al. (2014)(202)	Female 65.8% M Age 37.6 yrs FT donor NR	Africa	Mixed	Background	Whole blood; donor, non-donor	Study specific	Belief - positive Belief - negative	General General, 3, 5, 6
70979	Shah et al. (2007)(203)	Female 5.8% Age NR FT donor NR	Asia	Quantitative	Background	Whole blood; donor	Study specific	Belief - negative	6

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Table S1 - Details of included studies (N=247) - follows from previous page

Data file ID	Study	Participants	Continent	Study Design	Health perception focus	Donation status	Health perceptions measure	Perception type & valence	Results category <sup>a</sup>
70688	Sharma et al. (2001)(204)	Female 52.3% <40 yrs 47.3% FT donor 23.7%	North America	Quantitative	Background	Whole blood; donor	Study specific	Belief - negative	6
70710	Sharma et al. (2012)(205)	Female 64.5% M Age 19.0 yrs FT donor NR	Asia	Quantitative	Background	Whole blood; non-donor	Study specific	Belief - negative	General, 6
32871 & 70619	Shaz et al. (2010 & 2011)(206, 207)	Female 72.0% M Age 47.0 yrs FT donor 24.0%	North America	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - positive Belief - negative	General 6, 10
70507	Shengra et al. (2009)(208)	Female 25.0% M Age 35.3 yrs FT donor NR	Asia	Quantitative	Background	Whole blood; not specified	Study specific	Belief - negative	General
68618	Sojka et al. (2008)(209)	Female 39.4% M Age 39.7 yrs FT donor NR	Europe	Quantitative	Background	Whole blood; donor	Study specific	Belief - positive Belief - negative	General 11
68172	Sood et al. (2019)(210)	Female 89.0% Age NR FT donor NR	Asia	Qualitative	Background	Whole blood; not specified	Interviews	Belief - negative	General
68793	Sorensen et al. (2008)(211)	Female NR Age NR FT donor NR	Europe	Quantitative	Central	Whole blood; donor	Donor report	Experience - negative	11, 12
68790	Sorensen et al. (2015)(212)	Female 58.0% M Age 52.6 yrs FT donor NR	Europe	Quantitative	Central	Whole blood; donor	Study specific	Experience - negative	General, 12
68769	Soriano (2019)(213)	Female 41.4% <40 yrs 44.9% FT donor 36.2%	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - positive Belief - negative	General 6, 11
68352	Srirangaramasamy et al. (2017)(214)	Female 72.5% Age NR FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	General, 4
67590	Steele et al. (2012)(215)	Female 50.7% <40 yrs 37.3% FT donor NR	North America	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	6
68808	Suemnig et al. (2017)(216)	Female 54.5% M Age 25.0 yrs FT donor 14.3%	Europe	Quantitative	Background	Whole blood; donor	Study specific	Experience - positive	General
66661	Sweegers et al. (2020)(217)	Female 53.0% M Age 48.0 yrs FT donor NR	Europe	Quantitative	Central	Whole blood; donor	Study specific	Experience - negative	General, 3, 11, 13
86912	Tadesse et al. (2018)(218)	Female 33.0% M Age 21.3 yrs FT donor NR	Africa	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	General, 3, 4
77362	Tagny et al. (2021)(219)	Female 20.5% M Age 28.3 yrs FT donor NR	Africa	Quantitative	Background	Whole blood; donor	Study specific	Belief - negative	6, 11
77334	Tahir et al. (2017)(220)	Female 41.7% Age NR FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	General, 6, 7
77254	Takanashi et al. (2012)(221)	Female NR Age NR FT donor NR	Asia	Quantitative	Central	Mixed; donor	Donor report	Experience - negative	11

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Table S1 - Details of included studies (N=247) - follows from previous page

Data file ID	Study	Participants	Continent	Study Design	Health perception focus	Donation status	Health perceptions measure	Perception type & valence	Results category*
76872	Tariq et al. (2018)(222)	Female 100.0% Age NR FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	General, 3, 4, 6
76472	Tey et al. (2020)(223)	Female 33.0% <40 yrs 54.2% FT donor 13.6%	Asia	Qualitative	Background	Whole blood; donor	Interviews	Belief - positive	General, 9
76095	Thaver et al. (2014)(224)	Female 60.0% <40 yrs 100.0% FT donor NR	Asia	Quantitative	Background	Whole blood; not specified	Study specific	Belief - negative	3, 6
75907	Thomson et al. (1999)(225)	Female 52.6% M Age 15.6 yrs FT donor NR	Europe	Quantitative	Background	Whole blood; not specified	Study specific	Belief - negative	6
75385	Thorpe et al. (2020)(226)	Female 41.0% <40 yrs 40.0% FT donor NR	Oceania	Qualitative	Background	Plasma; donor	Interviews	Experience - negative	General
75380	Thorpe et al. (2021)(227)	Female 53.0% M Age 36.2 yrs FT donor NR	Oceania	Qualitative	Background	Mixed; donor	Interviews	Experience - negative	General, 10
76371	Tison et al. (2007)(228)	Female 36.6% Age NR FT donor 65.5%	Asia	Quantitative	Background	Whole blood; donor	Study specific	Belief - positive Belief - negative	General General, 1, 6
76336	Tiwari et al. (2017)(229)	Female 2.9% M Age 32.6 yrs FT donor 31.8%	Asia	Quantitative	Central	Whole blood; donor	Study specific	Experience - negative	3, 10, 11, 12
76169	Tomasulo et al. (2010)(230)	Female 59.0% Age NR FT donor NR	North America	Quantitative	Central	Whole blood; donor	Donor report	Experience - negative	11
75591	Trimmel et al. (2005)(231)	Female 43.7% <40 yrs 55.0% FT donor NR	Europe	Quantitative	Background	Mixed; donor	Study specific	Belief - positive	General
80088	Ugwu et al. (2019)(232)	Female 43.0% <40 yrs 97.0% FT donor NR	Africa	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - positive Belief - negative	General General
79991	Uma et al. (2013)(233)	Female 7.0% <40 yrs 90.3% FT donor 46.1%	Asia	Quantitative	Background	Whole blood; donor	Study specific	Belief - negative	3
79976	Umeora et al. (2005)(234)	Female 17.5% <40 yrs 81.9% FT donor NR	Africa	Quantitative	Background	Whole blood; not specified	Study specific	Belief - negative	General, 1, 11, 14
79233	van den Hurk et al. (2017)(235)	Female 52.2% M Age 46.5 yrs FT donor NR	Europe	Quantitative	Central	Whole blood; donor	Study specific	Belief - positive Belief - negative	3, 13 3, 11
79551	van Dongen et al. (2012b)(236)	Female NR M Age 40.2 yrs FT donor NR	Europe	Quantitative	Background	Whole blood; lapsed donor	Study specific	Experience - negative	10
79468	Veenus et al. (2017)(237)	Female 38.2% <40 yrs 73.1% FT donor NR	Europe	Quantitative	Background	Whole blood; donor	Study specific	Experience - negative	10
77817	Vossbeck-Eisebusch et al. (2011)(238)	Female 64.2% M Age 23.6 yrs FT donor NR	Europe	Quantitative	Central	Whole blood; donor	Blut-infektions-Verletzungs-Fragebogen (BIVF), BDRi	Experience - negative	11

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Table S1 - Details of included studies (N=247) - follows from previous page

Data file ID	Study	Participants	Continent	Study Design	Health perception focus	Donation status	Health perceptions measure	Perception type & valence	Results category <sup>a</sup>
86908	Waheed et al. (2015)(239)	Female 30.0% M Age 21.8 yrs FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	6, 11
36294	Weidmann et al. (2013)(240)	Female 60.2% <40 yrs 72.37% FT donor 100%	Europe	Quantitative	Other: Background	Whole blood; donor	Study specific	Belief - positive	General
82456	Weinberg et al. (2009)(241)	Female 32.6% Age NR FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	6
82289 & 81459	Wiersum-Osselton et al. (2019 & 2022)(242, 243)	Female 74.4% <40 yrs 100.0% FT donor 42.5%	Europe	Quantitative	Background	Whole blood; donor	Study specific	Experience - negative	11
81071 & 81069	Witwanitkit. (2000 & 2002)(244, 245)	Female 70.0% <40yrs 87.0% FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	General
86026	Yaqoob et al. (2018)(246)	Female 32.8% <40 yrs 51.0% FT donor NR	Asia	Quantitative	Background	Whole blood; not specified	Study specific	Belief - negative	1, 4
86316	Yeravdekar et al. (2019)(247)	Female 52.1% M Age 28.9 yrs FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	6
86688 & 86689	Yoshida et al. (2010, 2016)(248, 249)	Female 37.5% M Age 37.9 yrs FT donor NR	Asia	Quantitative	Central	Whole blood; donor	Study specific	Experience - negative	11
85651	Yu et al. (2019)(250)	Female NR Age NR FT donor NR	Asia	Qualitative	Background	Platelet; donor	Interviews	Belief - negative Experience - negative	6 11
85489	Yuan et al. (2010)(251)	Female 40.5% M Age 37.5 yrs FT donor NR	North America	Quantitative	Central	Mixed; donor	Donor report	Experience - negative	11
85494	Yuan et al. (2011)(252)	Female 69.4% <40 yrs 79.1% FT donor NR	North America	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	General
85731 & 85734	Zaller et al. (2004 & 2005)(253, 254)	Female 43.9% <40 yrs 80.5% FT donor NR	Asia	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - negative	General, 6
85091	Zeiler et al. (2011)(255)	Female 25.8% <40 yrs 0.0% FT donor NR	Europe	Quantitative	Central	Whole blood; donor	Donor report	Experience - negative	10
84192	Zito et al. (2012)(256)	Female 52.3% M Age 16.5 yrs FT donor NR	Europe	Quantitative	Background	Whole blood; not specified	Study specific	Belief - negative Experience - negative	6 10
83696 & 83691	Zucoloto et al. (2018 & 2019)(257, 258)	Female 79.7% M Age 42.3 yrs FT donor NR	South America	Quantitative	Background	Whole blood; donor, non-donor	Blood Donation Knowledge Questionnaire (BDKQ- Brazil)	Belief - negative Belief - uncategorised	6 8
84061	Zucoloto et al. (2020)(259)	Female 33.3% <40 yrs 95.5% FT donor NR	South America	Quantitative	Background	Whole blood; donor, non-donor	Study specific	Belief - positive Belief - negative	9 6, 10

**SUPPLEMENTARY MATERIAL: INCLUDED STUDIES**

1. Abderrahman BH, Saleh MY. Investigating knowledge and attitudes of blood donors and barriers concerning blood donation in Jordan. *Procedia-Social and Behavioral Sciences* 2014; 116: 2146-2154. doi: 10.1016/j.sbspro.2014.01.535.
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