Supplementary Material 2

Top-20 selected items from the HealthFan survey for people from different subpopulations (i.e. age categories, sex, origin of limb loss, level of limb loss, and type of prosthesis used most).

1. Age categories

Ranking	18 – 40 years (N = 66)		41 – 65 years (N = 169)		≥ 66 years (N = 95)	
	Item	N (%)	Item	N (%)	Item	N (%)
1	Wearing comfort	32 (48.5)	Wearing comfort	95 (56.2)	Wearing comfort	50 (52.6)
2	Weight	29 (43.9)	Grabbing, picking up and holding	64 (37.9)	Need for prosthesis	33 (34.7)
3	Work/job	23 (34.8)	Functionality	52 (30.8)	Independence	28 (29.5)
4	Independence	22 (33.3)	Independence	51 (30.2)	Grabbing, picking up and holding	28 (29.5)
5	Grabbing, picking up and holding	22 (33.3)	Work/job	49 (29.0)	Weight	28 (29.5)
6	Ease of control	21 (31.8)	Household	47 (27.8)	Life-like appearance	27 (28.4)
7	Usability	21 (31.8)	Life-like appearance	47 (27.8)	Functionality	27 (28.4)
8	Functionality	21 (31.8)	Weight	46 (27.2)	Self-care	26 (27.4)
9	Household	19 (28.8)	Overuse complaints	45 (26.6)	Prosthesis fit	25 (26.3)
10	Anonymity	19 (28.8)	Heat/sweating	42 (24.9)	Household	24 (25.3)
11	Heat/ sweating	18 (27.3)	Usability	41 (24.3)	Feeling comfortable	22 (23.2)
12	Reliability	17 (25.8)	Need for prosthesis	40 (23.7)	Donning/doffing	22 (23.2)
13	Self-confidence	16 (24.2)	Reliability	40 (23.7)	Heat/sweating	21 (22.1)
14	Overuse complaints	16 (24.2)	Feeling comfortable	38 (22.5)	Usability	21 (22.1)
15	Life-like appearance	15 (22.7)	Transport	37 (21.9)	Appearance in combination with clothing	20 (21.1)
16	Embodiment	14 (21.2)	Self-care	35 (20.7)	Stabilize/support objects	20 (21.1)
17	Self-care	13 (19.7)	Ease of control	35 (20.7)	Phantom limb pain	19 (20.0)
18	Feeling comfortable	13 (19.7)	Prosthesis fit	34 (20.1)	Phantom limb feeling	19 (20.0)
19	Water/dirt proof	12 (18.2)	Donning/doffing	34 (20.1)	Reliability	19 (20.0)
20	Appearance in combination with clothing Leisure activities Vulnerability/robustness Natural movements	12 (18.2) 12 (18.2) 12 (18.2) 12 (18.2)	Anonymity	33 (19.5)	Anonymity	19 (20.0)

2. Sex

Ranking	Men (N = 181)		Women (N = 144)	
	Item	N (%)	Item	N (%)
1	Wearing comfort	98 (54.1)	Wearing comfort	77 (53.5)
2	Grabbing, picking up and holding	70 (38.7)	Independence	54 (37.5)
3	Functionality	61 (33.7)	Weight	50 (34.7)
4	Work/job	50 (27.6)	Household	49 (34.0)
5	Weight	50 (27.6)	Life-like appearance	46 (31.9)
6	Ease of control	49 (27.1)	Overuse complaints	44 (30.6)
7	Reliability	49 (27.1)	Grabbing, picking up and holding	42 (29.2)
8	Independence	45 (24.9)	Anonymity	40 (27.8)
9	Heat/sweating	45 (24.9)	Need for prosthesis	37 (25.7)
10	Usability	45 (24.9)	Heat/sweating	37 (25.7)
11	Need for prosthesis	44 (24.3)	Functionality	36 (25.0)
12	Life-like appearance	43 (23.8)	Usability	35 (24.3)
13	Feeling comfortable	42 (23.2)	Appearance in combination with clothing	33 (22.9)
14	Self-care	41 (22.7)	Work/job	32 (22.2)
15	Prosthesis fit	40 (22.1)	Self-care	32 (22.2)
16	Vulnerability/robustness	39 (21.5)	Embodiment	32 (22.2)
17	Donning/doffing	39 (21.5)	Self-confidence	30 (20.8)
18	Household	37 (20.4)	Feeling comfortable	29 (20.1)
19	Phantom limb pain	34 (18.8)	Prosthesis fit	28 (19.4)
20	Overuse complaints	32 (17.7)	Donning/doffing	27(18.8)

3. Origin of limb loss

Ranking	Congenital (N = 126)		Acquired amputation (N = 210)	
	Item	N (%)	Item	N (%)
1	Wearing comfort	68 (54.0)	Wearing comfort	112 (53.3)
2	Weight	49 (38.9)	Grabbing, picking up and holding	70 (33.3)
3	Life-like appearance	48 (38.1)	Functionality	68 (32.4)
4	Grabbing, picking up and holding	46 (36.5)	Independence	64 (30.5)
5	Independence	39 (31.0)	Heat/sweating	56 (26.7)
6	Household	39 (31.0)	Weight	56 (26.7)
7	Work/job	38 (30.2)	Need for prosthesis	54 (25.7)
8	Usability	35 (27.8)	Household	52 (24.8)
9	Overuse complaints	34 (27.0)	Self-care	49 (23.3)
10	Anonymity	33 (26.2)	Usability	49 (23.3)
11	Transport	31 (24.6)	Phantom limb pain	49 (23.3)
12	Functionality	31 (24.6)	Donning/doffing	49 (23.3)
13	Reliability	31 (24.6)	Feeling comfortable	47 (22.4)
14	Prosthesis fit	30 (23.8)	Reliability	47 (22.4)
15	Heat/sweating	30 (23.8)	Ease of control	46 (21.9)
16	Ease of control	28 (22.2)	Work/job	45 (21.4)
17	Feeling comfortable	28 (22.2)	Life-like appearance	43 (20.5)
18	Self-confidence	27 (21.4)	Overuse complaints	42 (20.0)
19	Self-care	27 (21.4)	Prosthesis fit	41 (19.5)
20	Need for prosthesis	27 (21.4)	Anonymity	39 (18.6)

4. Level of limb loss

Ranking	At or above elbow level (N = 106)		Below elbow level (N = 229)	
	Item	N (%)	Item	N (%)
1	Wearing comfort	61(57.5)	Wearing comfort	120 (52.4)
2	Weight	38 (35.8)	Grabbing, picking up and holding	87 (38.0)
3	Heat/sweating	32 (30.2)	Independence	80 (34.9)
4	Functionality	32 (30.2)	Household	74 (32.3)
5	Donning/ doffing	32 (30.2)	Life-like appearance	68 (29.7)
6	Grabbing, picking up and holding	29 (27.4)	Functionality	67 (29.3)
7	Ease of control	27 (25.5)	Self-care	66 (28.8)
8	Usability	27 (25.5)	Weight	66 (28.8)
9	Feeling comfortable	27 (25.5)	Reliability	61 (26.6)
10	Prosthesis fit	26 (24.5)	Work/job	60 (26.2)
11	Self-confidence	23 (21.7)	Need for prosthesis	60 (26.2)
12	Independence	23 (21.7)	Usability	57 (24.9)
13	Work/job	23 (21.7)	Overuse complaints	55 (24.0)
14	Overuse complaints	22 (20.8)	Heat/sweating	54 (23.6)
15	Appearance in combination with clothing	21 (19.8)	Anonymity	51 (22.3)
16	Life-like appearance	21 (19.8)	Transport	46 (20.1)
17	Vulnerability/ robustness	20 (18.9)	Ease of control	46 (20.1)
18	Need for prosthesis	20 (18.9)	Feeling comfortable	46 (20.1)
19	Anonymity	20 (18.9)	Prosthesis fit	45 (19.7)
20	Stabilize/ support objects	19 (17.9)	Leisure activities	39 (17.0)
	Phantom limb pain	19 (17.9)	Embodiment	39 (17.0)
	Embodiment	19 (17.9)		

5. Type of prosthesis used most and no prosthesis use

Ranking	Mono-grip myoelectric (N = 87)		Multi-grip myoelectric (N = 29)	
	Item	**N (%)**	**Item**	**N (%)**
1	Wearing comfort	45 (51.7)	Household	16 (55.2)
2	Grabbing, picking up and holding	44 (50.6)	Grabbing, picking up and holding	15 (51.7)
3	Reliability	36 (41.4)	Weight	12 (41.4)
4	Independence	34 (39.1)	Reliability	12 (41.4)
5	Need for prosthesis	30 (34.5)	Independence	11 (37.9)
6	Ease of control	28 (32.2)	Work/job	11 (37.9)
7	Functionality	28 (32.2)	Speed of movements	10 (34.5)
8	Work/job	27 (31.0)	Heat/sweating	10 (34.5)
9	Household	25 (28.7)	Functionality	10 (34.5)
10	Self-care	24 (27.6)	Dexterity	9 (31.0)
11	Overuse complaints	23 (26.4)	Wearing comfort	9 (31.0)
12	Life-like appearance	22 (25.3)	Self-care	8 (27.6)
13	Heat/sweating	22 (25.3)	Overuse complaints	8 (27.6)
14	Usability	20 (23.0)	Leisure activities	7 (24.1)
15	Expertise of guidance	19 (21.8)	Prosthesis fit	7 (24.1)
16	Feeling comfortable	19 (21.8)	Ease of control	7 (24.1)
17	Anonymity	19 (21.8)	Embodiment	7 (24.1)
18	Stabilize/support objects	18 (20.7)	Vulnerability/robustness	6 (20.7)
19	Water/dirt proof	17 (19.5)	Natural movements	6 (20.7)
20	Weight	17 (19.5)	Usability	6 (20.7)
			Expertise of guidance	6 (20.7)
			Donning/doffing	6 (20.7)

Ranking	Cosmetic/passive (N = 132)		Body powered (N = 35)	
	Item	**N (%)**	**Item**	**N (%)**
1	Wearing comfort	79 (59.8)	Wearing comfort	21 (60.0)
2	Life-like appearance	50 (37.9)	Grabbing, picking up and holding	17 (48.6)
3	Weight	46 (34.8)	Usability	12 (34.3)
4	Prosthesis fit	41 (31.1)	Independence	11 (31.4)
5	Anonymity	39 (29.5)	Need for prosthesis	10 (28.6)
6	Usability	36 (27.3)	Feeling comfortable	10 (28.6)
7	Donning/doffing	36 (27.3)	Functionality	9 (25.7)
8	Appearance in combination with clothing	35 (26.5)	Work/job	8 (22.9)
9	Household	35 (26.5)	Life-like appearance	8 (22.9)
10	Independence	33 (25.0)	Reliability	8 (22.9)
11	Need for prosthesis	32 (24.2)	Self-care	7 (20.0)
12	Heat/ sweating	32 (24.2)	Professional prosthesis maintenance	7 (20.0)
13	Feeling comfortable	32 (24.2)	Prosthesis fit	7 (20.0)
14	Functionality	31 (23.5)	Ease of control	7 (20.0)
15	Self-confidence	29 (22.0)	Dexterity	7 (20.0)
16	Work/job	28 (21.2)	Self-maintenance	7 (20.0)
17	Stabilize/support objects	28 (21.2)	Anonymity	7 (20.0)
18	Self-care	27 (20.5)	Donning/ doffing	7 (20.0)
19	Transport	27 (20.5)	Water/dirt proof	6 (17.1)
20	Reactions from public	25 (18.9)	Appearance in combination with clothing	6 (17.1)
	Embodiment	25 (18.9)	Overuse complaints	6 (17.1)
			Natural movements	6 (17.1)
			Skin irritation	6 (17.1)
			Weight	6 (17.1)
			Embodiment	6 (17.1)

Ranking	No prosthesis (N = 40)	
	Item	**N (%)**
1	Wearing comfort	21 (52.5)
2	Weight	20 (50.0)
3	Functionality	19 (47.5)
4	Ease of control	17 (42.5)
5	Grabbing, picking up and holding	12 (30.0)
6	Phantom limb pain	12 (30.0)
7	Independence	11 (27.5)
8	Overuse complaints	10 (25.0)
9	Heat/ sweating	10 (25.0)
10	Feeling comfortable	9 (22.5)
11	Embodiment	9 (22.5)
12	Self-confidence	8 (20.0)
13	Usability	8 (20.0)
14	Donning/doffing	8 (20.0)
15	Self-image	7 (17.5)
16	Work/job	7 (17.5)
17	Natural movements	7 (17.5)
18	Putting clothes on	7 (17.5)
19	Feeling disabled	7 (17.5)
20	Phantom limb feeling	7 (17.5)
	Physical effort needed to control	7 (17.5)