

Multimedia Appendix 1. Obstacles to connected health devices' (CHDs) use according to general practitioners (GPs; N=1084).

Total size (%)	CHD+ (N=211) n (%)	CHD- (N=873) n (%)	<i>P</i> value	Total (N=1084) n (%)
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TECHNICAL DIFFICULTIES:

Lack of data security

Yes	95 (45.0)	387 (44.3)	.5	482 (44.46)
No	90 (42.7)	351 (40.2)		441 (40.68)
Unknown	26 (12.3)	135 (15.5)		161 (14.85)

Lack of technical reliability of CHD

Yes	100 (47.4)	399 (45.7)	.0017	499 (46.03)
No	83 (39.3)	267 (30.6)		350 (32.29)
Unknown	28 (13.3)	207 (23.7)		235 (21.68)

Lack of software reliability

Yes	99 (46.9)	375 (43.0)	.0014	474 (43.73)
No	83 (39.3)	278 (31.8)		361 (33.30)
Unknown	29 (13.7)	220 (25.2)		249 (22.97)

Interoperability issues

Yes	108 (51.2)	388 (44.4)	.0012	496 (45.76)
No	55 (26.1)	173 (19.8)		228 (21.03)
Unknown	48 (22.7)	312 (35.7)		360 (33.21)

DATA MANAGEMENT:

Legal responsibility problem of data

Yes	109 (51.7)	430 (49.3)	.08	539 (49.72)
No	74 (35.1)	270 (30.9)		344 (31.73)
Unknown	28 (13.3)	173 (19.8)		201 (18.54)

Excess data generated

Yes	143 (67.8)	665 (76.2)	.0339	808 (74.53)
No	45 (21.3)	129 (14.8)		174 (16.05)
Unknown	23 (10.9)	79 (9.0)		102 (9.41)

Data analysis problem

Yes	129 (61.1)	634 (72.6)	.0036	763 (70.39)
No	57 (27.0)	157 (18.0)		214 (19.74)
Unknown	25 (11.8)	82 (9.4)		107 (9.87)

TIME CONSTRAINTS:

Too much time spent on CHD during clinical consultation

Yes	138 (65.4)	649 (74.3)	.0139	787 (72.60)
No	55 (26.1)	152 (17.4)		207 (19.10)
Unknown	18 (8.5)	72 (8.2)		90 (8.30)

Too much time spent on CHD outside clinical consultation

Yes	148 (70.1)	674 (77.2)	.06	822 (75.83)
No	43 (20.4)	122 (14.0)		165 (15.22)
Unknown	20 (9.5)	77 (8.8)		97 (8.95)

Too much time invested learning how to use CHD

Yes	76 (36.0)	497 (56.9)	<.001	573 (52.86)
No	114 (54.0)	296 (33.9)		410 (37.82)
Unknown	21 (10.0)	80 (9.2)		101 (9.32)

FINANCIAL CONSTRAINTS:**Lack of remuneration**

Yes	136 (64.5)	533 (61.1)	.6	669 (61.72)
No	55 (26.1)	258 (29.6)		313 (28.87)
Unknown	20 (9.5)	82 (9.4)		102 (9.41)

Lack of CHD reimbursement

Yes	109 (51.7)	473 (54.2)	.78	582 (53.69)
No	64 (30.3)	246 (28.2)		310 (28.60)
Unknown	38 (18.0)	154 (17.6)		192 (17.71)

High cost of CHD

Yes	148 (70.1)	610 (69.9)	.0263	758 (69.93)
No	38 (18.0)	109 (12.5)		147 (13.56)
Unknown	25 (11.8)	154 (17.6)		179 (16.51)

PATIENTS' QUALITY OF LIFE:**Patients do not know how to use CHD**

Yes	102 (48.3)	464 (53.2)	.19	566 (52.21)
No	69 (32.7)	231 (26.5)		300 (27.68)
Unknown	40 (19.0)	178 (20.4)		218 (20.11)

Patients could be worried by data generated

Yes	144 (68.2)	672 (77.0)	.0155	816 (75.28)
No	50 (23.7)	136 (15.6)		186 (17.16)
Unknown	17 (8.1)	65 (7.4)		82 (7.56)

MEDICAL REFERENCES:**Poor objects' hygiene**

Yes	42 (19.9)	177 (20.3)	.45	219 (20.20)
No	127 (60.2)	489 (56.0)		616 (56.83)
Unknown	42 (19.9)	207 (23.7)		249 (22.97)

Lack of medical reference

Yes	94 (44.5)	463 (53.0)	.0254	557 (51.38)
No	81 (38.4)	253 (29.0)		334 (30.81)
Unknown	36 (17.1)	157 (18.0)		193 (17.80)