

Supplementary Material S1: Search strategy.

All terms used for the electronic database search in PubMed:

No.	P	I	O	Hits
1	cancer [MeSh] OR cancer [All Fields] OR cancer*	"mobile applications" [MeSh] OR "mobile applications" [All Fields]	(adhere* [All Fields] OR adopt* [All Fields] OR accept* [All Fields] OR engage* [All Fields] OR usab* [All Fields] OR usage [All Fields] OR eval*[All Fields] OR feasab* [All Fields])	345
2	cancer [MeSh] OR cancer [All Fields] OR cancer*	telemedicine[MeSH Terms] OR "telemedicine"[All Fields]	(adhere* [All Fields] OR adopt* [All Fields] OR accept* [All Fields] OR engage* [All Fields] OR usab* [All Fields] OR usage [All Fields] OR eval*[All Fields] OR feasab* [All Fields])	1333
3	cancer [MeSh] OR cancer [All Fields] OR cancer*	"mhealth's"[All Fields] OR "mhealth"[All Fields]	(adhere* [All Fields] OR adopt* [All Fields] OR accept* [All Fields] OR engage* [All Fields] OR usab* [All Fields] OR usage [All Fields] OR eval*[All Fields] OR feasab* [All Fields])	443
4	"radiotherapy"[MeSH Terms] OR "radiotherapy"[All Fields] OR "radiotherapies"[All Fields]	"mobile applications" [MeSh] OR "mobile applications" [All Fields]	(adhere* [All Fields] OR adopt* [All Fields] OR accept* [All Fields] OR engage* [All Fields] OR usab* [All Fields] OR usage [All Fields] OR eval*[All Fields] OR feasab* [All Fields])	14
5	"radiotherapy"[MeSH Terms] OR "radiotherapy"[All Fields] OR "radiotherapies"[All Fields]	telemedicine[MeSH Terms] OR "telemedicine"[All Fields]	(adhere* [All Fields] OR adopt* [All Fields] OR accept* [All Fields] OR engage* [All Fields] OR usab* [All Fields] OR usage [All Fields] OR eval*[All Fields] OR feasab* [All Fields])	68
6	"radiotherapy"[MeSH Terms] OR "radiotherapy"[All Fields] OR "radiotherapies"[All Fields]	"mhealth's"[All Fields] OR "mhealth"[All Fields]	(adhere* [All Fields] OR adopt* [All Fields] OR accept* [All Fields] OR engage* [All Fields] OR usab* [All Fields] OR usage [All Fields] OR eval*[All Fields] OR feasab* [All Fields])	15
7	onco* OR "oncology"[All Fields] OR "oncology's"[All Fields]	"mobile applications" [MeSh] OR "mobile applications" [All Fields]	(adhere* [All Fields] OR adopt* [All Fields] OR accept* [All Fields] OR engage* [All Fields] OR usab* [All Fields] OR usage [All Fields] OR eval*[All Fields] OR feasab* [All Fields])	128
8	onco* OR "oncology"[All Fields] OR "oncology's"[All Fields]	telemedicine[MeSH Terms] OR "telemedicine"[All Fields]	(adhere* [All Fields] OR adopt* [All Fields] OR accept* [All Fields] OR engage* [All Fields] OR usab* [All Fields] OR usage [All Fields] OR eval*[All Fields] OR feasab* [All Fields])	614
9	onco* OR "oncology"[All Fields] OR "oncology's"[All Fields]	"mhealth's"[All Fields] OR "mhealth"[All Fields]	(adhere* [All Fields] OR adopt* [All Fields] OR accept* [All Fields] OR engage* [All Fields] OR usab* [All Fields] OR usage [All Fields] OR eval*[All Fields] OR feasab* [All Fields])	164
10	"neoplasms"[MeSH Terms] OR "neoplasms"[All Fields]	"mobile applications" [MeSh] OR "mobile applications" [All Fields]	(adhere* [All Fields] OR adopt* [All Fields] OR accept* [All Fields] OR engage* [All Fields] OR usab* [All Fields] OR usage [All Fields] OR eval*[All Fields] OR feasab* [All Fields])	194
11	"neoplasms"[MeSH Terms] OR "neoplasms"[All Fields]	telemedicine[MeSH Terms] OR "telemedicine"[All Fields]	(adhere* [All Fields] OR adopt* [All Fields] OR accept* [All Fields] OR engage* [All Fields] OR usab* [All Fields] OR usage [All Fields] OR eval*[All Fields] OR feasab* [All Fields])	873
12	"neoplasms"[MeSH Terms] OR "neoplasms"[All Fields]	"mhealth's"[All Fields] OR "mhealth"[All Fields]	(adhere* [All Fields] OR adopt* [All Fields] OR accept* [All Fields] OR engage* [All Fields] OR usab* [All Fields] OR usage [All Fields] OR eval*[All Fields] OR feasab* [All Fields])	129
			Sum	4320

All terms used for the electronic database search in CINAHL:

No.	P	I	O	Hits
1	((MH "Cancer Patients") OR "cancer care" OR (MH "Cancer Survivors") OR "cancer survivors" OR cance* OR carci*)	((MH "Mobile Applications") OR "mobile applications" OR "mobile apps")	(adhere* OR adopt* OR accept* OR engage* OR usab* OR usage OR eval* OR feasab* OR (MH "Motivation") OR "engagement and motivation" OR (MH "Usability Study"))	181
2	((MH "Cancer Patients") OR "cancer care" OR (MH "Cancer Survivors") OR "cancer survivors" OR cance* OR carci*)	((MH "Internet-Based Intervention") OR (MH "Telemedicine") OR (MH "Telehealth") OR "telemedicine" OR "mHealth" OR "mobile health" OR "mobile devices" OR "ehealth")	(adhere* OR adopt* OR accept* OR engage* OR usab* OR usage OR eval* OR feasab* OR (MH "Motivation") OR "engagement and motivation" OR (MH "Usability Study"))	629
3	((MH "Cancer Patients") OR "cancer care" OR (MH "Cancer Survivors") OR "cancer survivors" OR cance* OR carci*)	((MH "Smartphone") OR (MH "Cellular Phone") OR tablet)	(adhere* OR adopt* OR accept* OR engage* OR usab* OR usage OR eval* OR feasab* OR (MH "Motivation") OR "engagement and motivation" OR (MH "Usability Study"))	426
4	((MH "Radiation Oncology") OR radiotherapy OR "radiation therapy")	((MH "Mobile Applications") OR "mobile applications" OR "mobile apps")	(adhere* OR adopt* OR accept* OR engage* OR usab* OR usage OR eval* OR feasab* OR (MH "Motivation") OR "engagement and motivation" OR (MH "Usability Study"))	11
5	((MH "Radiation Oncology") OR radiotherapy OR "radiation therapy")	((MH "Internet-Based Intervention") OR (MH "Telemedicine") OR (MH "Telehealth") OR "telemedicine" OR "mHealth" OR "mobile health" OR "mobile devices" OR "ehealth")	(adhere* OR adopt* OR accept* OR engage* OR usab* OR usage OR eval* OR feasab* OR (MH "Motivation") OR "engagement and motivation" OR (MH "Usability Study"))	25
6	((MH "Radiation Oncology") OR radiotherapy OR "radiation therapy")	((MH "Smartphone") OR (MH "Cellular Phone") OR tablet)	(adhere* OR adopt* OR accept* OR engage* OR usab* OR usage OR eval* OR feasab* OR (MH "Motivation") OR "engagement and motivation" OR (MH "Usability Study"))	35
7	((MH "Oncology") OR "oncology" OR (MH "Oncologic Care") OR (MH "Oncology Care Units") OR "oncology patients")	((MH "Mobile Applications") OR "mobile applications" OR "mobile apps")	(adhere* OR adopt* OR accept* OR engage* OR usab* OR usage OR eval* OR feasab* OR (MH "Motivation") OR "engagement and motivation" OR (MH "Usability Study"))	38
8	((MH "Oncology") OR "oncology" OR (MH "Oncologic Care") OR (MH "Oncology Care Units") OR "oncology patients")	((MH "Internet-Based Intervention") OR (MH "Telemedicine") OR (MH "Telehealth") OR "telemedicine" OR "mHealth" OR "mobile health" OR "mobile devices" OR "ehealth")	(adhere* OR adopt* OR accept* OR engage* OR usab* OR usage OR eval* OR feasab* OR (MH "Motivation") OR "engagement and motivation" OR (MH "Usability Study"))	155
9	((MH "Oncology") OR "oncology" OR (MH "Oncologic Care") OR (MH "Oncology Care Units") OR "oncology patients")	((MH "Smartphone") OR (MH "Cellular Phone") OR tablet)	(adhere* OR adopt* OR accept* OR engage* OR usab* OR usage OR eval* OR feasab* OR (MH "Motivation") OR "engagement and motivation" OR (MH "Usability Study"))	59
10	((MH "Neoplasms") OR (MH "Neoplasm Metastasis") OR neoplasm OR tumor)	((MH "Mobile Applications") OR "mobile applications" OR "mobile apps")	(adhere* OR adopt* OR accept* OR engage* OR usab* OR usage OR eval* OR feasab* OR (MH "Motivation") OR "engagement and motivation" OR (MH "Usability Study"))	138
11	((MH "Neoplasms") OR (MH "Neoplasm Metastasis") OR neoplasm OR tumor)	((MH "Internet-Based Intervention") OR (MH "Telemedicine") OR (MH "Telehealth") OR "telemedicine" OR "mHealth" OR "mobile health" OR "mobile devices" OR "ehealth")	(adhere* OR adopt* OR accept* OR engage* OR usab* OR usage OR eval* OR feasab* OR (MH "Motivation") OR "engagement and motivation" OR (MH "Usability Study"))	421
12	((MH "Neoplasms") OR (MH "Neoplasm Metastasis") OR neoplasm OR tumor)	((MH "Smartphone") OR (MH "Cellular Phone") OR tablet)	(adhere* OR adopt* OR accept* OR engage* OR usab* OR usage OR eval* OR feasab* OR (MH "Motivation") OR "engagement and motivation" OR (MH "Usability Study"))	347
Sum				2465

All terms used for the electronic database search in PsychINFO:

No.	P	I	O	Hits
1	((DE "Terminal Cancer" OR (DE "Metastasis") OR "cancer patients" OR "cancer survivors" OR carc* OR cancer)	((DE "Mobile Applications") OR "mobile app" OR "mobile health app")	((DE "Smartphone Use") OR adhere* OR adopt* OR accept* OR engage* OR usab* OR usage OR eval* OR feasab* OR motivation)	59
2	((DE "Terminal Cancer" OR (DE "Metastasis") OR "cancer patients" OR "cancer survivors" OR carc* OR cancer)	((DE "Mobile Health") OR (DE "Telemedicine") OR mhealth OR ehealth)	((DE "Smartphone Use") OR adhere* OR adopt* OR accept* OR engage* OR usab* OR usage OR eval* OR feasab* OR motivation)	385
3	((DE "Terminal Cancer" OR (DE "Metastasis") OR "cancer patients" OR "cancer survivors" OR carc* OR cancer)	(Smartphone OR "cellular phone" OR (DE "Mobile Devices") OR (DE "Mobile Phones") OR Tablet)	((DE "Smartphone Use") OR adhere* OR adopt* OR accept* OR engage* OR usab* OR usage OR eval* OR feasab* OR motivation)	195
4	(radiotherapy OR "radiation therapy")	((DE "Mobile Applications") OR "mobile app" OR "mobile health app")	((DE "Smartphone Use") OR adhere* OR adopt* OR accept* OR engage* OR usab* OR usage OR eval* OR feasab* OR motivation)	1
5	(radiotherapy OR "radiation therapy")	((DE "Mobile Health") OR (DE "Telemedicine") OR mhealth OR ehealth)	((DE "Smartphone Use") OR adhere* OR adopt* OR accept* OR engage* OR usab* OR usage OR eval* OR feasab* OR motivation)	6
6	(radiotherapy OR "radiation therapy")	(Smartphone OR "cellular phone" OR (DE "Mobile Devices") OR (DE "Mobile Phones") OR Tablet)	((DE "Smartphone Use") OR adhere* OR adopt* OR accept* OR engage* OR usab* OR usage OR eval* OR feasab* OR motivation)	6
7	((MM "Oncology") OR oncolo* OR "oncolo* care")	((DE "Mobile Applications") OR "mobile app" OR "mobile health app")	((DE "Smartphone Use") OR adhere* OR adopt* OR accept* OR engage* OR usab* OR usage OR eval* OR feasab* OR motivation)	23
8	((MM "Oncology") OR oncolo* OR "oncolo* care")	((DE "Mobile Health") OR (DE "Telemedicine") OR mhealth OR ehealth)	((DE "Smartphone Use") OR adhere* OR adopt* OR accept* OR engage* OR usab* OR usage OR eval* OR feasab* OR motivation)	151
9	((MM "Oncology") OR oncolo* OR "oncolo* care")	(Smartphone OR "cellular phone" OR (DE "Mobile Devices") OR (DE "Mobile Phones") OR Tablet)	((DE "Smartphone Use") OR adhere* OR adopt* OR accept* OR engage* OR usab* OR usage OR eval* OR feasab* OR motivation)	57
10	((DE "Neoplasms") OR neoplas*)	((DE "Mobile Applications") OR "mobile app" OR "mobile health app")	((DE "Smartphone Use") OR adhere* OR adopt* OR accept* OR engage* OR usab* OR usage OR eval* OR feasab* OR motivation)	38
11	((DE "Neoplasms") OR neoplas*)	((DE "Mobile Health") OR (DE "Telemedicine") OR mhealth OR ehealth)	((DE "Smartphone Use") OR adhere* OR adopt* OR accept* OR engage* OR usab* OR usage OR eval* OR feasab* OR motivation)	229
12	((DE "Neoplasms") OR neoplas*)	(Smartphone OR "cellular phone" OR (DE "Mobile Devices") OR (DE "Mobile Phones") OR Tablet)	((DE "Smartphone Use") OR adhere* OR adopt* OR accept* OR engage* OR usab* OR usage OR eval* OR feasab* OR motivation)	100
Sum				1250