

**Supplementary Table 2: Detailed search strategy**

<b>Key word</b>	<b>Alternative word</b>
Qualitative studies	((((((((((Qualitative Research[MeSH Terms]) OR Focus Groups[MeSH Terms]) OR Anthropology, Cultural[MeSH Terms]) OR Ethnopsychology[MeSH Terms]) OR Grounded Theory[MeSH Terms]) OR Nursing Methodology Research[MeSH Terms]) OR Narrative Medicine[MeSH Terms]) OR Tape Recording[MeSH Terms]) OR Culture[MeSH Terms]) OR Attitude[MeSH Terms] Case studies OR Focused group discussions OR phenomenological studies OR ethnographic studies OR interviews))
Medication Adherence	((((((((((((((((((Medication Adherence[MeSH Terms]) OR Patient Compliance[MeSH Terms]) OR No-Show Patients[MeSH Terms]) OR Health Personnel[MeSH Terms]) OR drug effects [Subheading]) OR (Treatment Adherence[MeSH Terms] OR Compliance[MeSH Terms])) OR Self Medication[MeSH Terms]) OR Self Administration[MeSH Terms]) OR Patient Medication Knowledge[MeSH Terms]) OR Attitude to Health[MeSH Terms]) OR Patient Acceptance of Health Care[MeSH Terms])) OR Patient Preference[MeSH Terms]) OR Patient Acceptance of Health Care[MeSH Terms]) OR Motivation[MeSH Terms])
Barriers, Facilitators and solutions	Challenges OR Challenge OR Problem OR Problems barriers OR Difficulties OR Issues OR Limitations OR Obstacles OR Facilitators OR Suggestions OR Solutions
Diabetes mellitus and CVDs	((((((Diabetes Mellitus[MeSH Terms]) OR Cardiovascular Diseases[MeSH Terms] OR Hypertension[MeSH Terms] OR Coronary Disease[MeSH Terms] OR Coronary Artery Disease[MeSH Terms] OR Heart Diseases[MeSH Terms] OR Cerebrovascular Diseases[MeSH Terms] OR Stroke[MeSH Terms]))

India	(India[MeSH Terms] OR Republic of India[MeSH Terms]))
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### Search results (PubMed):

(((((Diabetes Mellitus[MeSH Terms]) OR Cardiovascular Diseases[MeSH Terms] OR Hypertension[MeSH Terms])) AND (((((((((((((((Medication Adherence[MeSH Terms]) OR Patient Compliance[MeSH Terms]) OR No-Show Patients[MeSH Terms]) OR Health Personnel[MeSH Terms]) OR drug effects [Subheading]) OR (Treatment Adherence[MeSH Terms] OR Compliance[MeSH Terms])) OR Self Medication[MeSH Terms]) OR Self Administration[MeSH Terms]) OR Patient Medication Knowledge[MeSH Terms]) OR Attitude to Health[MeSH Terms]) OR Patient Acceptance of Health Care[MeSH Terms])) OR Patient Preference[MeSH Terms]) OR Patient Acceptance of Health Care[MeSH Terms]) OR Motivation[MeSH Terms]) OR Life Change Events[MeSH Terms]) OR Trust[MeSH Terms])))) AND (((((((((((Qualitative Research[MeSH Terms]) OR Focus Groups[MeSH Terms]) OR Anthropology, Cultural[MeSH Terms]) OR Ethnopsychology[MeSH Terms]) OR Grounded Theory[MeSH Terms]) OR Nursing Methodology Research[MeSH Terms]) OR Narrative Medicine[MeSH Terms]) OR Tape Recording[MeSH Terms]) OR Culture[MeSH Terms]) OR Attitude[MeSH Terms])) AND (India[MeSH Terms] OR Republic of India[MeSH Terms])) – 199 (Filters: Years between 2010 and 2020 and English language publication)

((((((((((((((Qualitative Research[MeSH Terms]) OR Focus Groups[MeSH Terms]) OR Anthropology, Cultural[MeSH Terms]) OR Ethnopsychology[MeSH Terms]) OR Grounded Theory[MeSH Terms]) OR Nursing Methodology Research[MeSH Terms]) OR Narrative Medicine[MeSH Terms]) OR Tape Recording[MeSH Terms]) OR Culture[MeSH Terms]) OR Attitude[MeSH Terms] Case studies OR Focused group discussions OR phenomenological studies OR ethnographic studies OR interviews))) AND (((((((((((((((Medication Adherence[MeSH Terms]) OR Patient Compliance[MeSH Terms]) OR No-Show Patients[MeSH Terms]) OR Health Personnel[MeSH Terms]) OR drug effects [Subheading]) OR (Treatment Adherence[MeSH Terms] OR Compliance[MeSH Terms])) OR Self Medication[MeSH Terms]) OR Self Administration[MeSH Terms]) OR Patient Medication Knowledge[MeSH Terms]) OR Attitude to Health[MeSH Terms]) OR Patient Acceptance of Health Care[MeSH Terms])) OR Patient Preference[MeSH Terms]) OR Patient Acceptance of Health Care[MeSH Terms]) OR Motivation[MeSH Terms])) AND (Challenges OR Challenge OR Problem OR Problems barriers OR Difficulties OR Issues OR Limitations OR Obstacles OR Facilitators OR Suggestions OR Solutions)) AND (((((((Diabetes Mellitus[MeSH Terms]) OR Cardiovascular Diseases[MeSH Terms] OR Hypertension[MeSH Terms] OR Coronary Disease[MeSH Terms] OR Coronary Artery Disease[MeSH Terms] OR Heart Diseases[MeSH Terms] OR Cerebrovascular Diseases[MeSH Terms] OR Stroke[MeSH Terms])))) AND ((India[MeSH Terms] OR Republic of India[MeSH Terms])))) – 31 results (Filters: Years between 2010 and 2020 and English language publication)

**Google scholar:** 635 + 22 + 6 + 12 = 675

**ScienceDirect:** (Diabetes Mellitus OR Cardiovascular Diseases OR Hypertension) AND (Qualitative Study OR Qualitative) AND (India) AND (Adherence) – 238 articles

**Cochrane library:** (Diabetes Mellitus OR Cardiovascular Diseases OR Hypertension) AND (Qualitative Study OR Qualitative) AND (India) AND (Adherence) – 34 articles