### Supplementary Table 1. The detailed search strategy of databases

#### PubMed

| #1     | diabetes mellitus               |
|--------|---------------------------------|
| #2     | diabetes                        |
| #3     | #1 OR #2                        |
| #4     | #3 AND Guideline[ptyp]           |
| #5     | hypertension                    |
| #6     | high blood pressure             |
| #7     | #5 OR #6                        |
| #8     | #7 AND Guideline[ptyp]           |
| #9     | #4 OR #8                        |
| #10    | (("2009/01/01"] [Date - Publication] : "3000") [Date - Publication]) AND English[Language] |
| #11    | #9 AND #10                      |

#### Web of Science

| #1     | TS=diabetes mellitus OR TS=diabetes |
|--------|-------------------------------------|
| #2     | TI=guideline                        |
| #3     | #1 AND #2                           |
| #4     | #3 AND 'practice guideline':ti,ab,kw |
| #5     | #4 AND #2                           |
| #6     | #3 OR #5                            |
| #7     | #6 AND PY=2009-2019                 |

#### EMBASE

| #1     | diabetes mellitus                  |
|--------|------------------------------------|
| #2     | diabetes                           |
| #3     | #1 OR #2                           |
| #4     | #3 AND 'practice guideline':ti,ab,kw |
| #5     | hypertension                       |
| #6     | high blood pressure                |
| #7     | #5 OR #6                           |
| #8     | #7 AND 'practice guideline':ti,ab,kw |
| #9     | #4 OR #8                           |
| #10    | #9 AND [english]/lim AND (2009-2019)/py |

#### Cochrane Library

| #1     | ("diabetes mellitus") OR ("diabetes") |
|--------|----------------------------------------|
| #2     | #1 AND ("(guideline)"):ti,ab,kw        |
| #3     | ("hypertension") OR ("high blood pressure") |
| #4     | #2 AND ("(guideline)"):ti,ab,kw        |
| #5     | #2 OR #4                              |
| #6     | #5 AND Cochrane Reviews AND Publication date from Jan 2009 to Nov 2019 |