

Additional file 1. Categories of diagnoses studied and defining ICD-11 codes for each category

Number	Category of diagnoses	IDC-11 codes
1	Respiratory diseases (RD)	1B10, 1B21.0, 1B51, 1C12, 1D80, 1E30- 1D32, 1E50, 1E51, 1F20.11- 1F20.15, 1F25.0, 1F27.0, 1F2A.0, 1F2E, CA00- CA0A, CA0G, CA0K, CA20-CA22, CA24, CA26- CA27, CA05.1, CA40- CA45, CA4Y, CA4Z.
2	Digestive diseases (DD)	1A60-1A6Z, 1B12.7, 1B21.4, 1D90, 1F20.0, 1F21, 1F20.00, 1F23.2, 1F60- 1F6Z, DA20- DA25, DA42, DA51, DA60- DA63, DB10, DB33, DB36, DB60- DB62, DB70, DB71, DB6Y, DB6Z, DC11- DC13, DC70, DC80, DD70- DD7Z, DD90- DD9Z, KB80- KB8Z, MD80- MD82, MD90- MD9Z, ME00- ME2Z.
3	Urogenital diseases (UD)	1A60- 1A63, 1A70- 1A73, 1A90- 1A95, 1B12.5, 1F23.10, 1F23.11, EC92.0, EG60- EG63, GA00- GA07, GA0Z, GA30.2, GA32..2, GA34, GA40, GA41, GA80, GA81, GA87, GA90, GA91, GB00, GB02, GB06.0, GB07, GB21, GB23, GB70, GB71, GB7Z, GC00- GC08, MF30- MF3A, MF40, MF50- MF59.
4	Skin infections (SI)	1A73, 1A80, 1A90, 1A91, 1A95, 1B21.2, 1B12.8, 1B70- 1B7Z, 1B90, 1B91, 1B92, 1B96, 1C10.2, 1C10.3, 1C1G.0, 1C1G.14, 1G60, EA6Y, 1C44, 1E70- 1E7Z, 1E80- 1E83, 1E8Z, 1E90, 1E91, 1F00- 1F05, 1F22, 1F23, 1F24, 1F26, 1F28, 1F29, 1F2A.1, 1F2B, 1F2C, 1F2D, 1F2F, 1F2J, 1F2K, 1F2L, 1G00- 1G0Z, EA00, EA10- EA12, EA20, EA40, EA50, EA51, EA60, EA80- EA8Z, EA90- EA95, EB00- EB0Y, EB10- EB13, EB30, EB31, EB40- EB4Y, EB50, EB51, EB5Z, EB60, EB61, ED80, ED81, ED90- ED92, EE12, EE13.2, EG30, EG40, EG60- EG62, EH10- EH1Z, EH40, EK00- EK02, EK10- EK12, EK20, EK2Y, EK2Z, EK50, JA65.1, JB64.7, KA62.2, KA07.0.
5	Injuries (IJ)	EH90- EH94, NA00- NA0D, NA0Z, NA20- NA23, NA30, NA31, NA3Z, NA40- NA44, NA4Y, NA4Z, NA60- NA64, NA6Y, NA6Z, NA80- NA83, NA90, NA91, NA9Z, NB00- NB02, NB0Y, NB2Y, NB2Z, NB30- NB35, NB3Y, NB3Z, NB50- NB53, NB60- NB63, NB6Z, NB70- NB75, NB7Y, NB7Z, NB90- NB99, NB9Y, NB9Z, NC10- NC19, NC1Y, NC1Z, NC30- NC39, NC3Y, NC3Z, NC50- NC5A, NC5Y, NC5Z, NC70- NC79, NC7Y, NC7Z, NC90- NC99, NC9Y, NC9Z, ND10- ND1A, ND1Y, ND1Z, ND30- ND37, ND50- ND57, ND5Y, ND5Z, ND70- ND74, ND7Z, ND90- ND99, ND9Y, ND9Z, NE00- NE02, NE0Z, NW10, NE11, NE2Z, NE40- NE42, NE4Z, NE60, NE61, NE6Z, NE80- NE89, NE8Y, NE8Z, NF00- NF0A, NF0Y, NF0Z, NF2Y, NF2Z,

		EJ0Y, EJ10, EJ1Y, EJ20, EJ2Y, EJ30, EJ40, EJ41, EJ4Z, EJ71, EJ7Z, EK5Y.
6	Eye infections (EI)	1D84, 2F36.4, 9A01, 9Q02, 9A06.7, 9A06.72, 9A10, 9A11, 9A21- 9A23, 9A60, 9A70- GA7B, 9A96, 9B50- 9B52, 9B65, 9B66, 9B72, 9C20, 9C21.
7	Oral and dental diseases (OD)	DA00.0, DA00.1, DA01, DA02.3, DA03, DA04, DA06.0, DA06.1, DA08.0, DA09, DA0B- DA0D.
