**Supplementary data 1:** Ambulatory-care-sensitive conditions categories and their codesadapted from Lichtl et al ([17](#_ENREF_17))

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| category | 1 | 2 | 3 | 4 |  | 5 | 6 | 7 | 8 | 9 |  |  | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |
| Codes  | J30.1J30.2J30.3J30.4K52.2 L23.0 L23.1 L23.2 L23.3 L23.4 L23.5 L23.6 L23.7 L23.8 L23.9 T78.4Z88.0Z88.1Z88.2Z88.3Z88.4Z88.5Z88.6Z88.7Z88.8Z88.9Z91.0 | J45.0J45.1J45.8J45.9 | R25.2 R56.8 Z82 Z86.6 | K00.2K00.3K00.4K00.5K00.6K00.7K00.8K00.9K01.0K01.1K02.0K02.1K02.2K02.3K02.4K02.5K02.8K02.9K03.0K03.1K03.2K03.3K03.4K03.5K03.6K03.7K03.8K03.9 | K04.0K04.1K04.2K04.3K04.4K04.5K04.6K04.7K04.8K04.9K05.0K05.1K05.2K05.3K05.4K05.5K05.6K06.0K06.1K06.2K06.8K06.9K07.0K07.1K07.2K07.3K07.4K07.8K07.9 | E10.90E10.91E10.92E10.93E10.94E10.95E13.41R73.0R73.9  | E45R62.8 | K29.0 K29.1 K29.2 K29.3 K29.4 K29.5 K29.6 K29.7 K29.8 K29.9 | A08.0 J10.8 J11.8 | A33A35A36.0A36.1A36.2A36.3A36.8A36.9A37.0A37.1A37.8A37.9A39.0A39.1A39.2A39.3A39.4A39.5A39.8A39.9A40.3A80.0A80.1A80.2A80.3A80.4A80.9B01.0B01.1B01.2B01.8B01.9B05.0 | B05.1B05.2B05.3B05.4B05.8B05.9B06.0B06.8B06.9B15.9B16.1B16.9B18.0B18.1B26.0B26.1B26.2B26.3B26.8B26.9G00.0G00.1I30.1J14J17.1M00.10M00.11M00.12M00.13M00.14M00.15M00.16M00.17M00.18 | M00.19P35.0P35.8Z22.2Z22.5Z23.0Z23.1Z23.2Z23.3Z23.4Z23.5Z23.6Z23.7Z23.8Z24.0Z24.1Z24.2Z24.3Z24.4Z24.5Z24.6Z25.0Z25.1Z25.8Z26.0Z26.8Z26.9Z27.027.1Z27.2Z27.3Z27.4Z27.8Z27.9 | N70.0N70.1N70.9N71.0N71.1N71.9N72N73.0N73.1N73.2N73.3N73.4N73.5N73.6N73.8N73.9N74.0N74.1N74.2N74.3N74.4N74.8 | D50.0D50.1 D50.8 D50.9 |

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| --- |
| N15.11  |
| N15.8  |
| N15.9  |
| N28.1  |
| N28.8  |
| N28.9  |
| N39.0  |
| N39.81  |

 | E40 E41 E42 E43 E44.0 E44.1 E45 E46 E64  | P59.3 P59.8 P59.9 | H66.0H66.1H66.2H66.3H66.4H66.9J00J01.0J01.1J01.2J01.3J01.4J01.8J01.9J02.0J02.8J02.9J03.0J03.8J03.9J06.0J06.8J06.9J31.0J31.1J31.2 | L03.01L03.02L03.10L03.11L03.2L03.3L03.8L03.9L04.0L04.1L04.2L04.3L04.8L04.9 | Z91.1 |

Categories: 1) Allergies & allergic reactions, 2) Asthma, 3) Convulsions, 4) Dental conditions, 5) Diabetes mellitus, 6) Failure to thrive, 7) Gastritis, 8) Gastroenteritis / dehydration, 9) Immunization-preventable diseases, 10) Inflammatory diseases of female pelvic organs, 11) Iron deficiency anemia / anemia, 12) Kidney- and urinary infections, 13) Nutritional deficiency, 14) Neonatal jaundice, 15) Severe ENT & upper airway infection 16) Skin infection, 17) Doctor’s orders have not been followed by patient.