**Supplementary Table 1.** To defined T2DM, colorectal polyps and comorbidity by ICD-9-CM

codes

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| --- | --- |
| Disease | Corresponding ICD-9-CM codes |
| T2DM | 250 |
| Colorectal polyps | 211.3, 211.4, 153, 154 |
| Co-morbid disease  |  |
| Hypertension | 401.x–405.x |
| Hyperlipidemia | 272.x |
| Ischemic heart disease | 410.x–414.x |
| Stroke | 430.x–438.x |
| COPD | 491.x, 492.x, 496.x |
| Rheumatoid disease | 446.5, 710.0–710.4, 714.0–714.2, 714.8, 725.x |
| Chronic kidney disease | 585 |
| Chronic liver diseases | 571, 573 |

T2DM = type 2 diabetes mellitus, COPD = chronic obstructive pulmonary disease, ICD-9-CM =

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