|  |  |  |  |
| --- | --- | --- | --- |
|  | No-sedation (n=153131) | Sedation (n=153131) | SDf |
| **Age, years (mean±SD)** | 54.37±12.58 | 54.37±12.70 | 0.00 |
| **Sex, male, n (%)** | 79569 (51.96) | 79241 (51.75) | 0.00 |
| **BMI<18.5, n (%)** | 10208 (6.67) | 10259 (6.70) | 0.00 |
| **18.5≤BMI<25, n (%)** | 90142 (58.87) | 90041 (58.80) |
| **25≤BMI, n (%)** | 52781 (34.47) | 52831 (34.50) |
| **Drink Historya, n (%)** | 44713 (29.20) | 44715 (29.20) | 0.00 |
| **Smoke Historyb, n (%)** | 35268 (23.03) | 35527 (23.20) | 0.00 |
| **H*p* Infectionc, n (%)** | 28151 (18.38) | 28023 (18.30) | 0.00 |
| **Povertyd, n (%)** | 9398 (6.14) | 9340 (6.10) | 0.00 |
| **High-risk Areae, n (%)** | 7085 (4.63) | 6891 (4.50) | 0.00 |
| **Volumeg<300, n (%)** | 8681 (5.67) | 8744 (5.71) | 0.00 |
| **300≤Volume<700, n (%)** | 39687 (25.92) | 39462 (25.77) |
| **700≤Volume, n (%)** | 104763 (68.41) | 104925 (68.52) |
| **Experienceh<5, n (%)** | 46976 (30.68) | 46858 (30.60) | 0.00 |
| **5≤Experience<10, n (%)** | 51655 (33.73) | 51728 (33.78) |
| **10≤Experience, n (%)** | 54500 (35.59) | 54545 (35.62) |
| **Dyclonine, n (%)** | 69127 (45.14) | 69062 (45.10) | 0.00 |
| **Dimethicone, n (%)** | 24501 (16.00) | 24501 (16.00) | 0.00 |
| **Simethicone, n (%)** | 59966 (39.15) | 59568 (38.90) | 0.01 |

**Supplemental Table 1. Baseline characteristics of PSM patients treated with sedation or no-sedation (n=306,262)**

a Drink History: people who have ever used any type of alcohol

b Smoke History: people who have ever used any type of tobacco

c H*p* infection: current Helicobacter pylori infected people

d Poverty: patients whose choice of endoscopy is influenced by financial problems (data collected from questionnaire)

e High risk area: Come from high risk areas in China12,13

f SD: Standard Difference

g Volume: the number of EGD carried out by endoscopists annually

h Experience: years since completing EGDs independently

BMI: Body Mass Index

PSM: Propensity Score Matching