Table S1. Health History from Commercial Driver Medical Exam With p-value for Differences Between BMI Categories

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | Under-weight (BMI <18.5, n=424) | Normal weight (25> BMI ≥18.5, n=13,465) | Overweight (30.0 > BMI ≥25.0 n=27,336) | Obese (35 > BMI ≥ 30, n=23,511) | Morbidly Obese (BMI ≥ 35, n=23,510) | Total (n=88,246) |  p-value |
| **Injury/illness past 5 years** | **65** | **15.3%** | **1936** | **14.4%** | **4656** | **17.0%** | **4674** | **19.9%** | **5320** | **22.6%** | **16651** | **18.9%** | **<.0001** |
| Head/Brain Injuries | 4 | 0.9% | 72 | 0.5% | 155 | 0.6% | 123 | 0.5% | 157 | 0.7% | 511 | 0.6% | 0.1993 |
| **Seizure or Epilepsy** | **0** | **0.0%** | **12** | **0.1%** | **14** | **0.1%** | **14** | **0.1%** | **4** | **0.0%** | **44** | **0.0%** | **0.0418** |
|  Using medication | 0 | 0.0% | 5 | 0.0% | 3 | 0.0% | 10 | 0.0% | 3 | 0.0% | 21 | 0.0% | 0.1045  |
| Eye Disorders | 7 | 1.7% | 108 | 0.8% | 223 | 0.8% | 208 | 0.9% | 236 | 1.0% | 782 | 0.9% | 0.0573 |
| Ear Disorders | 2 | 0.5% | 139 | 1.0% | 366 | 1.3% | 297 | 1.3% | 292 | 1.2% | 1096 | 1.2% | 0.0597 |
| **Heart Disease** | **5** | **1.2%** | **132** | **1.0%** | **443** | **1.6%** | **531** | **2.3%** | **535** | **2.3%** | **1646** | **1.9%** | **<.0001** |
|  **Heart Disease Meds** | **0** | **0.0%** | **52** | **0.4%** | **173** | **0.6%** | **206** | **0.9%** | **213** | **0.9%** | **644** | **0.7%** | **<.0001** |
| **Heart Surgery** | **4** | **0.9%** | **106** | **0.8%** | **350** | **1.3%** | **426** | **1.8%** | **371** | **1.6%** | **1257** | **1.4%** | **<.0001** |
| **High Blood Pressure** | **19** | **4.5%** | **865** | **6.4%** | **3567** | **13.0%** | **4729** | **20.1%** | **6638** | **28.2%** | **15818** | **17.9%** | **<.0001** |
|  **Using Medications** | **9** | **2.1%** | **510** | **3.8%** | **2182** | **8.0%** | **2760** | **11.7%** | **3924** | **16.7%** | **9385** | **10.6%** | **<.0001** |
|  Muscular Disease | 0 | 0.0% | 11 | 0.1% | 14 | 0.1% | 16 | 0.1% | 9 | 0.0% | 50 | 0.1% | 0.4316 |
| **Lung Disease** | **13** | **3.1%** | **269** | **2.0%** | **503** | **1.8%** | **518** | **2.2%** | **653** | **2.8%** | **1956** | **2.2%** | **<.0001** |
| **Shortness of Breath** | **11** | **2.6%** | **105** | **0.8%** | **156** | **0.6%** | **189** | **0.8%** | **276** | **1.2%** | **737** | **0.8%** | **<.0001** |
| Kidney Disease | 1 | 0.2% | 26 | 0.2% | 50 | 0.2% | 53 | 0.2% | 54 | 0.2% | 184 | 0.2% | 0.7614 |
| Liver Disease | 0 | 0.0% | 22 | 0.2% | 44 | 0.2% | 41 | 0.2% | 36 | 0.2% | 143 | 0.2% | 0.9054 |
| **Digestive Problems** | **7** | **1.7%** | **135** | **1.0%** | **360** | **1.3%** | **383** | **1.6%** | **423** | **1.8%** | **1308** | **1.5%** | **<.0001** |
| **Diabetes Mellitus** | **8** | **1.9%** | **257** | **1.9%** | **1349** | **4.9%** | **1907** | **8.1%** | **2957** | **12.6%** | **6478** | **7.3%** | **<.0001** |
|  **Controlled with Diet** | **6** | **1.4%** | **152** | **1.1%** | **802** | **2.9%** | **1105** | **4.7%** | **1764** | **7.5%** | **3829** | **4.3%** | **<.0001** |
|  Controlled with Insulin | 0 | 0.0% | 4 | 0.0% | 10 | 0.0% | 9 | 0.0% | 14 | 0.1% | 37 | 0.0% | 0.6161 |
|  **Controlled with Pills** | **4** | **0.9%** | **196** | **1.5%** | **1092** | **4.0%** | **1543** | **6.6%** | **2430** | **10.3%** | **5265** | **6.0%** | **<.0001** |
| **Nervous Disorders** | **12** | **2.8%** | **164** | **1.2%** | **427** | **1.6%** | **453** | **1.9%** | **531** | **2.3%** | **1587** | **1.8%** | **<.0001** |
|  **Using Medications** | **4** | **0.9%** | **86** | **0.6%** | **233** | **0.9%** | **255** | **1.1%** | **301** | **1.3%** | **879** | **1.0%** | **<.0001** |
| Altered Consciousness | 0 | 0.0% | 13 | 0.1% | 18 | 0.1% | 18 | 0.1% | 18 | 0.1% | 67 | 0.1% | 0.8363 |
| Fainting/dizziness | 1 | 0.2% | 11 | 0.1% | 21 | 0.1% | 23 | 0.1% | 23 | 0.1% | 79 | 0.1% | 0.7426 |
| **Sleep Disorders** | **3** | **0.7%** | **30** | **0.2%** | **158** | **0.6%** | **331** | **1.4%** | **1576** | **6.7%** | **2098** | **2.4%** | **<.0001** |
| Stroke or Paralysis | 0 | 0.0% | 18 | 0.1% | 26 | 0.1% | 39 | 0.2% | 34 | 0.1% | 117 | 0.1% | 0.2236 |
| Missing Extremities | 4 | 0.9% | 109 | 0.8% | 258 | 0.9% | 222 | 0.9% | 210 | 0.9% | 803 | 0.9% | 0.6919 |
| **Spinal Injury or Disease** | **4** | **0.9%** | **142** | **1.1%** | **342** | **1.3%** | **327** | **1.4%** | **321** | **1.4%** | **1136** | **1.3%** | **0.0492** |
| Chronic Low Back Pain | 5 | 1.2% | 73 | 0.5% | 183 | 0.7% | 176 | 0.7% | 174 | 0.7% | 611 | 0.7% | 0.0934 |
| Frequent Alcohol Use | 0 | 0.0% | 26 | 0.2% | 60 | 0.2% | 51 | 0.2% | 41 | 0.2% | 178 | 0.2% | 0.6486 |
| **Habit Forming/Narcotic Drugs**  | **1** | **0.2%** | **22** | **0.2%** | **24** | **0.1%** | **43** | **0.2%** | **25** | **0.1%** | **115** | **0.1%** | **0.0232** |
| Monocular Vision | 2 | 0.5% | 41 | 0.3% | 70 | 0.3% | 47 | 0.2% | 54 | 0.2% | 214 | 0.2% | 0.2683 |
| **Requires Vision Correction** | **144** | **34.0%** | **4188** | **31.1%** | **9087** | **33.2%** | **8140** | **34.6%** | **8691** | **37.0%** | **30250** | **34.3%** | **<.0001** |
| Recognize Colors | 0 | 0.0% | 19 | 0.1% | 32 | 0.1% | 27 | 0.1% | 29 | 0.1% | 107 | 0.1% | 0.8973 |