Table S2. Physical Exam Findings and Urine Test Results from Commercial Driver Medical Exam With p-value for Differences Between BMI Categories

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Physical Exam Abnormalities | 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 |
| **Extremities** | **12** | **2.8%** | **303** | **2.3%** | **589** | **2.2%** | **555** | **2.4%** | **777** | **3.3%** | **2236** | **2.5%** | **<.0001** |
| Spine or Musculoskeletal | 8 | 1.9% | 319 | 2.4% | 623 | 2.3% | 570 | 2.4% | 513 | 2.2% | 2033 | 2.3% | 0.4445 |
| Neurological | 0 | 0.0% | 49 | 0.4% | 77 | 0.3% | 66 | 0.3% | 65 | 0.3% | 257 | 0.3% | 0.4007 |
| **General Appearance** | **10** | **2.4%** | **72** | **0.5%** | **1095** | **4.0%** | **4540** | **19.3%** | **10886** | **46.3%** | **16603** | **18.8%** | **<.0001** |
| Eyes | 4 | 0.9% | 80 | 0.6% | 155 | 0.6% | 134 | 0.6% | 121 | 0.5% | 494 | 0.6% | 0.6744 |
| Ear | 2 | 0.5% | 98 | 0.7% | 168 | 0.6% | 164 | 0.7% | 151 | 0.6% | 583 | 0.7% | 0.6182 |
| **Mouth**  | **2** | **0.5%** | **37** | **0.3%** | **53** | **0.2%** | **56** | **0.2%** | **151** | **0.6%** | **299** | **0.3%** | **<.0001** |
| Heart  | 6 | 1.4% | 149 | 1.1% | 373 | 1.4% | 333 | 1.4% | 283 | 1.2% | 1144 | 1.3% | 0.0598 |
| **Lungs** | **3** | **0.7%** | **113** | **0.8%** | **158** | **0.6%** | **146** | **0.6%** | **195** | **0.8%** | **615** | **0.7%** | **0.0016** |
| **Abdomen** | **1** | **0.2%** | **95** | **0.7%** | **214** | **0.8%** | **264** | **1.1%** | **311** | **1.3%** | **885** | **1.0%** | **<.0001** |
| Vascular | 0 | 0.0% | 21 | 0.2% | 37 | 0.1% | 37 | 0.2% | 54 | 0.2% | 149 | 0.2% | 0.0910 |
| Genito Urinary | 3 | 0.7% | 94 | 0.7% | 163 | 0.6% | 123 | 0.5% | 132 | 0.6% | 515 | 0.6% | 0.2967 |
| **Blood in**  | **None** | **397** | **93.6%** | **12882** | **95.7%** | **26076** | **95.4%** | **22381** | **95.2%** | **22260** | **94.7%** | **83996** | **95.2%** | **<.0001** |
| **the Urine**  | **Trace** | **10** | **2.4%** | **303** | **2.3%** | **628** | **2.3%** | **553** | **2.4%** | **576** | **2.5%** | **2070** | **2.3%** |  |
|  | **1+** | **1** | **0.2%** | **87** | **0.6%** | **177** | **0.6%** | **160** | **0.7%** | **190** | **0.8%** | **615** | **0.7%** |  |
|  | **2+** | **3** | **0.7%** | **82** | **0.6%** | **177** | **0.6%** | **157** | **0.7%** | **165** | **0.7%** | **584** | **0.7%** |  |
|  | **3+** | **7** | **1.7%** | **72** | **0.5%** | **191** | **0.7%** | **179** | **0.8%** | **205** | **0.9%** | **654** | **0.7%** |  |
|  | **4+** | **6** | **1.4%** | **39** | **0.3%** | **86** | **0.3%** | **81** | **0.3%** | **113** | **0.5%** | **325** | **0.4%** |  |
| **Protein in**  | **None** | **412** | **97.2%** | **12953** | **96.2%** | **26018** | **95.2%** | **22124** | **94.1%** | **21484** | **91.4%** | **82991** | **94.0%** | **<.0001** |
| **the Urine** | **Trace** | **3** | **0.7%** | **211** | **1.6%** | **496** | **1.8%** | **501** | **2.1%** | **621** | **2.6%** | **1832** | **2.1%** |  |
|  | **30 mg/dL** | **5** | **1.2%** | **213** | **1.6%** | **601** | **2.2%** | **610** | **2.6%** | **889** | **3.8%** | **2318** | **2.6%** |  |
|  | **100 mg/dL** | **2** | **0.5%** | **47** | **0.3%** | **137** | **0.5%** | **188** | **0.8%** | **324** | **1.4%** | **698** | **0.8%** |  |
|  | **300 mg/dL** | **0** | **0.0%** | **26** | **0.2%** | **54** | **0.2%** | **50** | **0.2%** | **119** | **0.5%** | **249** | **0.3%** |  |
|  | **>2000 mg/dL** | **2** | **0.5%** | **14** | **0.1%** | **25** | **0.1%** | **33** | **0.1%** | **61** | **0.3%** | **135** | **0.2%** |  |
|  | **>2000 mg/dL** | **0** | **0.0%** | **1** | **0.0%** | **4** | **0.0%** | **5** | **0.0%** | **11** | **0.0%** | **21** | **0.0%** |  |
| **Sugar in**  | **None** | **421** | **99.3%** | **13212** | **98.1%** | **26503** | **97.0%** | **22526** | **95.8%** | **22263** | **94.7%** | **84925** | **96.2%** | **<.0001** |
| **the Urine** | **Trace-100 g/dL** | **1** | **0.2%** | **62** | **0.5%** | **131** | **0.5%** | **131** | **0.6%** | **181** | **0.8%** | **506** | **0.6%** |  |
|  | **250 mg/dL** | **1** | **0.2%** | **43** | **0.3%** | **194** | **0.7%** | **221** | **0.9%** | **296** | **1.3%** | **755** | **0.9%** |  |
|  | **500 mg/dL** | **0** | **0.0%** | **49** | **0.4%** | **168** | **0.6%** | **200** | **0.9%** | **261** | **1.1%** | **678** | **0.8%** |  |
|  | **1000 mg/dL** | **1** | **0.2%** | **57** | **0.4%** | **199** | **0.7%** | **247** | **1.1%** | **289** | **1.2%** | **793** | **0.9%** |  |
|  | **>2000mg/dL** | **0** | **0.0%** | **42** | **0.3%** | **140** | **0.5%** | **186** | **0.8%** | **219** | **0.9%** | **587** | **0.7%** |  |