Table S3. Odds Ratios and 95% Confidence Intervals for Associations between Physical Exam Findings from Commercial Driver Medical Exam and 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) |
| Exam Abnormality | OR (95% CI) | OR (95% CI) | OR (95% CI) | OR (95% CI) | OR (95% CI) |
| **Extremities** | 1.25 (0.70, 2.26) | 1.00 (Ref.) | **0.84 (0.73, 0.96)** | 0.94 (0.82, 1.08) | **1.46 (1.29, 1.66)** |
| **Spine or Musculoskeletal** | 0.88 (0.45, 1.73) | 1.00 (Ref.) | **0.87 (0.76, 0.99)** | 0.93 (0.81, 1.06) | 0.92 (0.81, 1.06) |
| **Neurological** | N/A | 1.00 (Ref.) | **0.70 (0.49, 0.99)** | 0.76 (0.53, 1.08) | 0.83 (0.58, 1.18) |
| **General Appearance** | **3.89 (2.01, 7.55)** | 1.00 (Ref.) | **7.32 (5.86, 9.15)** | **43.15 (34.70, 53.66)** | **154.60 (124.42, 192.08)** |
| Eyes | 1.95 (0.79, 4.81) | 1.00 (Ref.) | 0.84 (0.65, 1.08) | 0.89 (0.68, 1.15) | 0.80 (0.61, 1.05) |
| Ear | 0.66 (0.16, 2.69) | 1.00 (Ref.) | 0.80 (0.63, 1.03) | 0.93 (0.73, 1.19) | 0.88 (0.69, 1.13) |
| **Mouth** | 1.63 (0.39, 6.77) | 1.00 (Ref.) | 0.72 (0.49, 1.07) | 0.89 (0.60, 1.31) | **2.61 (1.86, 3.66)** |
| **Heart** | 1.56 (0.73, 3.36) | 1.00 (Ref.) | 1.12 (0.93, 1.35) | **1.21 (1.00, 1.46)** | 1.11 (0.91, 1.34) |
| **Lungs** | 0.91 (0.29, 2.89) | 1.00 (Ref.) | **0.63 (0.49, 0.80)** | **0.68 (0.53, 0.87)** | 0.99 (0.79, 1.67) |
| **Abdomen** | 0.35 (0.05, 2.51) | 1.00 (Ref.) | 1.03 (0.81, 1.30) | **1.51 (1.21, 1.90)** | **1.97 (1.58, 2.46)** |
| **Vascular** | N/A | 1.00 (Ref.) | 0.86 (0.52, 1.42) | 0.95 (0.57, 1.58) | **1.65 (1.02, 2.66)** |
| **Genito Urinary** | 1.11 (0.35, 3.52) | 1.00 (Ref.) | 0.78 (0.61, 1.01) | **0.69 (0.53, 0.91)** | 0.81 (0.62, 1.05) |