Supplemental Table 1. Disposition at the Emergency Department

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Admission** |  |  |  |  |
|  | Male, % | | Female, % | |
| Dizziness and giddiness, % | 1,533 | (35.5) | 2,538 | (33.7) |
| Epidemic vertigo, % | 26 | (0.6) | 48 | (0.6) |
| Ménière’s disease, % | 234 | (5.4) | 455 | (6.0) |
| Benign paroxysmal vertigo, % | 611 | (14.1) | 1,072 | (14.2) |
| Vestibular neuronitis, % | 131 | (3.0) | 133 | (1.8) |
| Other peripheral vertigo, % | 1,005 | (23.2) | 1,805 | (23.9) |
| Vertigo of central origin, % | 231 | (5.3) | 414 | (5.5) |
| Other disorders of vestibular function, % | 19 | (0.4) | 43 | (0.6) |
| Disorders of vestibular function, unspecified, % | 492 | (11.4) | 967 | (12.8) |
| Vertiginous syndromes in diseases classified elsewhere, % | 41 | (0.9) | 64 | (0.8) |
| Total number of dizziness, % | 4,323 |  | 7,539 |  |
| **Home** |  |  |  |  |
|  | Male, % | | Female, % | |
| Dizziness and giddiness, % | 8,900 | (57.7) | 13,991 | (54.5) |
| Epidemic vertigo, % | 142 | (0.9) | 217 | (0.8) |
| Ménière’s disease, % | 423 | (2.7) | 927 | (3.6) |
| Benign paroxysmal vertigo, % | 904 | (5.9) | 1,647 | (6.4) |
| Vestibular neuronitis, % | 42 | (0.3) | 34 | (0.1) |
| Other peripheral vertigo, % | 2,219 | (14.4) | 3,958 | (15.4) |
| Vertigo of central origin, % | 291 | (1.9) | 495 | (1.9) |
| Other disorders of vestibular function, % | 34 | (0.2) | 42 | (0.2) |
| Disorders of vestibular function, unspecified, % | 2,398 | (15.5) | 4,255 | (16.6) |
| Vertiginous syndromes in diseases classified elsewhere, % | 73 | (0.5) | 117 | (0.5) |
| Total number of dizziness, % | 15,426 |  | 25,683 |  |
| Death |  |  |  |  |
|  | Male, % | | Female, % | |
| Dizziness and giddiness, % | 1 | (100.0) | 1 | (50.0) |
| Epidemic vertigo, % | 0 | 0.0 | 1 | (33.3) |
| Ménière’s disease, % | 0 | 0.0 | 0 | 0.0 |
| Benign paroxysmal vertigo, % | 0 | 0.0 | 0 | 0.0 |
| Vestibular neuronitis, % | 0 | 0.0 | 0 | 0.0 |
| Other peripheral vertigo, % | 0 | 0.0 | 0 | 0.0 |
| Vertigo of central origin, % | 0 | 0.0 | 0 | 0.0 |
| Other disorders of vestibular function, % | 0 | 0.0 | 0 | 0.0 |
| Disorders of vestibular function, unspecified, % | 0 | 0.0 | 0 | 0.0 |
| Vertiginous syndromes in diseases classified elsewhere, % | 0 | 0.0 | 0 | 0.0 |

Supplemental Table 2. Disposition of hospital course for 21 days after transportation

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Admission** |  |  |  |  |
|  | Male | | Female | |
| Dizziness and giddiness, % | 128 | (50.8) | 174 | (43.4) |
| Epidemic vertigo, % | 11 | (4.4) | 9 | (2.2) |
| Ménière’s disease, % | 12 | (4.8) | 12 | (3.0) |
| Benign paroxysmal vertigo, % | 17 | (6.7) | 30 | (7.5) |
| Vestibular neuronitis, % | 3 | (1.2) | 2 | (0.5) |
| Other peripheral vertigo, % | 34 | (13.5) | 70 | (17.5) |
| Vertigo of central origin, % | 7 | (2.8) | 26 | (6.5) |
| Other disorders of vestibular function, % | 1 | (0.4) | 2 | (0.5) |
| Disorders of vestibular function, unspecified, % | 37 | (14.7) | 72 | (18.0) |
| Vertiginous syndromes in diseases classified elsewhere, % | 2 | (0.8) | 4 | (1.0) |
| Total number of dizziness, % | 252 |  | 401 |  |
| **Home** |  |  |  |  |
|  | Male | | Female | |
| Dizziness and giddiness, % | 1,366 | (34.1) | 2,325 | (32.9) |
| Epidemic vertigo, % | 15 | (0.4) | 39 | (0.6) |
| Ménière’s disease, % | 221 | (5.5) | 439 | (6.2) |
| Benign paroxysmal vertigo, % | 587 | (14.6) | 1,034 | (14.6) |
| Vestibular neuronitis, % | 127 | (3.2) | 131 | (1.9) |
| Other peripheral vertigo, % | 968 | (24.1) | 1,723 | (24.4) |
| Vertigo of central origin, % | 220 | (5.5) | 383 | (5.4) |
| Other disorders of vestibular function, % | 18 | (0.4) | 41 | (0.6) |
| Disorders of vestibular function, unspecified, % | 450 | (11.2) | 885 | (12.5) |
| Vertiginous syndromes in diseases classified elsewhere, % | 37 | (0.9) | 59 | (0.8) |
| Total number of dizziness, % | 4,009 |  | 7,059 |  |
| **Transfer** |  |  |  |  |
|  | Male | | Female | |
| Dizziness and giddiness, % | 13 | (44.8) | 18 | (37.5) |
| Epidemic vertigo, % | 0 | 0.0 | 0 | 0.0 |
| Ménière’s disease, % | 0 | 0.0 | 3 | (6.3) |
| Benign paroxysmal vertigo, % | 5 | (17.2) | 6 | (12.5) |
| Vestibular neuronitis, % | 1 | (3.4) | 0 | 0.0 |
| Other peripheral vertigo, % | 3 | (10.3) | 10 | (20.8) |
| Vertigo of central origin, % | 3 | (10.3) | 4 | (8.3) |
| Other disorders of vestibular function, % | 0 | 0.0 | 0 | 0.0 |
| Disorders of vestibular function, unspecified, % | 3 | (10.3) | 7 | (14.6) |
| Vertiginous syndromes in diseases classified elsewhere, % | 1 | (3.4) | 0 | 0.0 |
| Total number of dizziness, % | 29 |  | 48 |  |
| **Death** |  |  |  |  |
|  | Male | | Female | |
| Dizziness and giddiness, % | 8 | (88.9) | 1 | (25.0) |
| Epidemic vertigo, % | 0 | 0.0 | 0 | 0.0 |
| Ménière’s disease, % | 0 | 0.0 | 0 | 0.0 |
| Benign paroxysmal vertigo, % | 1 | (11.1) | 0 | 0.0 |
| Vestibular neuronitis, % | 0 | 0.0 | 0 | 0.0 |
| Other peripheral vertigo, % | 0 | 0.0 | 1 | (25.0) |
| Vertigo of central origin, % | 0 | 0.0 | 1 | (25.0) |
| Other disorders of vestibular function, % | 0 | 0.0 | 0 | 0.0 |
| Disorders of vestibular function, unspecified, % | 0 | 0.0 | 1 | (25.0) |
| Vertiginous syndromes in diseases classified elsewhere, % | 0 | 0.0 | 0 | 0.0 |
| Total number of dizziness, % | 9 |  | 4 |  |

Supplemental Table 3. Multivariate logistic regression analysis of hospital course for 21 days in patients with dizziness

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Admission for 21 days** | Odds ratio | 95% confidence interval | | | | | | | | | | P value | | |
| Year |  |  | |  | | | | |  | | |  | | |
| 2018 | Reference |  | |  | | | | |  | | |  | | |
| 2019 | 0.86 | 0.72 | | − | | | | | 1.04 | | | 0.121 | | |
| 2020 | 0.83 | 0.68 | | − | | | | | 1.01 | | | 0.06 | | |
| Female (compared with male) | 0.88 | 0.75 | | − | | | | | 1.03 | | | 0.105 | | |
| Dizziness and giddiness | Reference |  | |  | | | | |  | | |  | | |
| Epidemic vertigo | 4.01 | 2.51 | | − | | | | | 6.41 | | | <0.001 | | |
| Ménière’s disease | 1.12 | 0.74 | | − | | | | | 1.71 | | | 0.592 | | |
| Benign paroxysmal vertigo | 1.03 | 0.75 | | − | | | | | 1.40 | | | 0.874 | | |
| Vestibular neuronitis | 1.45 | 0.59 | | − | | | | | 3.53 | | | 0.419 | | |
| Other peripheral vertigo | 1.09 | 0.87 | | − | | | | | 1.36 | | | 0.458 | | |
| Vertigo of central origin | 2.12 | 1.47 | | − | | | | | 3.05 | | | <0.001 | | |
| Other disorders of vestibular function | 1.98 | 0.62 | | − | | | | | 6.29 | | | 0.246 | | |
| Disorders of vestibular function, unspecified | 1.32 | 1.06 | | − | | | | | 1.65 | | | 0.013 | | |
| Vertiginous syndromes in diseases classified elsewhere | 1.90 | 0.84 | | − | | | | | 4.32 | | | 0.125 | | |
| Night-time (17:00–09:00) (compared with daytime) | 0.89 | 0.76 | | − | | | | | 1.04 | | | 0.147 | | |
| Weekends (compared with weekdays) | 0.92 | 0.78 | | − | | | | | 1.10 | | | 0.355 | | |
| Age (per 10 years) | 1.54 | 1.45 | | − | | | | | 1.63 | | | <0.001 | | |
| **Discharged to home** | Odds ratio | 95% confidence interval | | | | | | | | | | P value | | |
| Year |  |  | | |  | | |  | | | |  | | |
| 2018 | Reference |  | | |  | | |  | | | |  | | |
| 2019 | 0.97 | 0.92 | | | − | | | 1.03 | | | | 0.318 | | |
| 2020 | 0.99 | 0.93 | | | − | | | 1.04 | | | | 0.625 | | |
| Female (compared with male) | 1.02 | 0.97 | | | − | | | 1.07 | | | | 0.428 | | |
| Dizziness and giddiness | Reference |  | | |  | | |  | | | |  | | |
| Epidemic vertigo | 0.88 | 0.66 | | | − | | | 1.17 | | | | 0.375 | | |
| Ménière’s disease | 3.12 | 2.82 | | | − | | | 3.45 | | | | <0.001 | | |
| Benign paroxysmal vertigo | 3.99 | 3.71 | | | − | | | 4.29 | | | | <0.001 | | |
| Vestibular neuronitis | 21.43 | 16.66 | | | − | | | 27.58 | | | | <0.001 | | |
| Other peripheral vertigo | 2.76 | 2.60 | | | − | | | 2.92 | | | | <0.001 | | |
| Vertigo of central origin | 4.64 | 4.15 | | | − | | | 5.19 | | | | <0.001 | | |
| Other disorders of vestibular function | 4.78 | 3.40 | | | − | | | 6.74 | | | | <0.001 | | |
| Disorders of vestibular function, unspecified | 1.29 | 1.21 | | | − | | | 1.38 | | | | <0.001 | | |
| Vertiginous syndromes in diseases classified elsewhere | 3.09 | 2.41 | | | − | | | 3.96 | | | | <0.001 | | |
| Night-time (17:00–09:00) (compared with daytime) | 1.06 | 1.02 | | | − | | | 1.11 | | | | 0.007 | | |
| Weekends (compared with weekdays) | 0.96 | 0.91 | | | − | | | 1.00 | | | | 0.069 | | |
| Age (per 10 years) | 1.19 | 1.17 | | | − | | | 1.20 | | | | <0.001 | | |
| **Transfer** | Odds ratio | 95% confidence interval | | | | | | | | | P value | | |
| Year |  |  |  | | | |  | | | |  | | |
| 2018 | Reference |  |  | | | |  | | | |  | | |
| 2019 | 1.41 | 0.82 | − | | | | 2.43 | | | | 0.214 | | |
| 2020 | 1.13 | 0.63 | − | | | | 2.04 | | | | 0.676 | | |
| Female (compared with male) | 0.93 | 0.58 | − | | | | 1.48 | | | | 0.756 | | |
| Dizziness and giddiness | Reference |  |  | | | |  | | | |  | | |
| Epidemic vertigo | (omitted) |  |  | | | |  | | | |  | | |
| Ménière’s disease | 1.36 | 0.42 | − | | | | 4.47 | | | | 0.481 | | |
| Benign paroxysmal vertigo | 2.31 | 1.16 | − | | | | 4.61 | | | | 0.784 | | |
| Vestibular neuronitis | 2.73 | 0.37 | − | | | | 20.12 | | | | 0.932 | | |
| Other peripheral vertigo | 1.32 | 0.69 | − | | | | 2.52 | | | | 0.415 | | |
| Vertigo of central origin | 4.31 | 1.89 | − | | | | 9.81 | | | | 0.755 | | |
| Other disorders of vestibular function | (omitted) |  |  | | | |  | | | |  | | |
| Disorders of vestibular function, unspecified | 1.16 | 0.57 | − | | | | 2.37 | | | | 0.353 | | |
| Vertiginous syndromes in diseases classified elsewhere | 3.08 | 0.42 | − | | | | 22.79 | | | |  | | |
| Night-time (17:00–09:00) (compared with daytime) | 0.72 | 0.46 | − | | | | 1.13 | | | | 0.148 | | |
| Weekends (compared with weekdays) | 1.39 | 0.87 | − | | | | 2.21 | | | | 0.166 | | |
| Age (per 10 years) | 1.37 | 1.17 | − | | | | 1.62 | | | | <0.001 | | |
| **Death during admission** | Odds ratio | 95% confidence interval | | | | | | | | P value | | |
| Year |  |  |  | | |  | | | |  | | |
| 2018 | Reference |  |  | | |  | | | |  | | |
| 2019 | 2.20 | 0.57 | − | | | 8.53 | | | | 0.253 | | |
| 2020 | 1.09 | 0.22 | − | | | 5.41 | | | | 0.916 | | |
| Female (compared with male) | 0.25 | 0.08 | − | | | 0.83 | | | | 0.023 | | |
| Dizziness and giddiness | Reference |  |  | | |  | | | |  | | |
| Epidemic vertigo | (omitted) |  |  | | |  | | | |  | | |
| Ménière’s disease | (omitted) |  |  | | |  | | | |  | | |
| Benign paroxysmal vertigo | 0.75 | 0.09 | − | | | 5.92 | | | | 0.784 | | |
| Vestibular neuronitis | (omitted) |  |  | | |  | | | |  | | |
| Other peripheral vertigo | 0.38 | 0.05 | − | | | 2.99 | | | | 0.357 | | |
| Vertigo of central origin | 2.37 | 0.30 | − | | | 18.81 | | | | 0.413 | | |
| Other disorders of vestibular function | (omitted) |  |  | | |  | | | |  | | |
| Disorders of vestibular function, unspecified | 0.43 | 0.05 | − | | | 3.41 | | | | 0.426 | | |
| Vertiginous syndromes in diseases classified elsewhere | (omitted) |  |  | | |  | | | |  | | |
| Night-time (17:00–09:00) (compared with daytime) | 0.43 | 0.13 | − | | | 1.40 | | | | 0.161 | | |
| Weekends (compared with weekdays) | 0.72 | 0.20 | − | | | 2.63 | | | | 0.622 | | |
| Age (per 10 years) | 1.66 | 1.05 | − | | | 2.62 | | | | 0.029 | | |

Supplemental Table 4. Comparison of vital signs between emergency admission and non-admission in patients with dizziness

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Emergency admission | | Non-admission | |  |
| Vital signs | Median | (IQR) | Median | (IQR) | P value\* |
| Blood pressure, mmHg | 160 | 140–178 | 153 | 132–174 | <0.001 |
| Temperature, °C | 36.3 | 36.0–36.6 | 36.3 | 36.0–36.6 | <0.001 |
| Heart rate, beats/min | 80 | 70–90 | 80 | 70–90 | 0.0298 |
| Respiratory rate, breaths/min | 20 | 18–20 | 20 | 18–20 | <0.001 |
| Percutaneous oxygen saturation, % | 98 | 97–99 | 98 | 97–99 | <0.001 |
| Glasgow Coma Scale, 3–15 | 15 | 15–15 | 15 | 15–15 | <0.001 |

\*Wilcoxon rank sum test was performed for comparison.

Temperature (°C) of Emergency admission was median 36.3 (IQR: 36.0–36.6) and temperature (°C) of Non-admission was also median 36.3 (IQR: 36.0–36.6). It seemed same and like an error, however, mean temperature (°C) of Emergency admission was 36.25255 and mean temperature (°C) of Non-admission was 36.28362. Thus, there was statistically significant difference between two groups. All the other vital parameters were same.

Mean heart rate (bpm) of Emergency admission was 80.89205 and mean heart rate (bpm) of Non-admission was 81.33056.

Mean respiratory rate (breaths/min) of Emergency admission was 19.81619 and mean respiratory rate (breaths/min) of Non-admission was 19.44309.

Mean oxygen saturation (%) of Emergency admission was 97.89249 and mean oxygen saturation (%) of Non-admission was 98.00052.

Mean Glasgow Coma Scale (GCS) of Emergency admission was 14.94104 and GCS of Non-admission was 14.95797.

Supplemental Table 5. Multivariate logistic regression analysis of disposition at the ED in all patients

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Emergency admission** | Odds ratio | 95% confidence interval | | | | | | | | P value | |
| Year |  |  | | |  | | |  | |  | |
| 2018 | Reference |  | | |  | | |  | |  | |
| 2019 | 1.02 | 1.01 | | | − | | | 1.03 | | <0.001 | |
| 2020 | 1.09 | 1.08 | | | − | | | 1.10 | | <0.001 | |
| Female (compared with male) | 0.84 | 0.83 | | | − | | | 0.84 | | <0.001 | |
| Dizziness and giddiness | Reference |  | | |  | | |  | |  | |
| Epidemic vertigo | 1.16 | 0.90 | | | − | | | 1.50 | | 0.259 | |
| Ménière’s disease | 3.13 | 2.83 | | | − | | | 3.45 | | <0.001 | |
| Benign paroxysmal vertigo | 3.93 | 3.66 | | | − | | | 4.22 | | <0.001 | |
| Vestibular neuronitis | 22.27 | 17.15 | | | − | | | 28.91 | | <0.001 | |
| Other peripheral vertigo | 2.71 | 2.56 | | | − | | | 2.87 | | <0.001 | |
| Vertigo of central origin | 4.86 | 4.34 | | | − | | | 5.43 | | <0.001 | |
| Other disorders of vestibular function | 4.75 | 3.37 | | | − | | | 6.71 | | <0.001 | |
| Disorders of vestibular function, unspecified | 1.33 | 1.24 | | | − | | | 1.42 | | <0.001 | |
| Vertiginous syndromes in diseases classified elsewhere | 3.19 | 2.49 | | | − | | | 4.08 | | <0.001 | |
| Nighttime (17:00–09:00) (compared with daytime) | 0.90 | 0.89 | | | − | | | 0.91 | | <0.001 | |
| Weekends (compared with weekdays) | 0.91 | 0.90 | | | − | | | 0.92 | | <0.001 | |
| Age (per 10 years) | 1.31 | 1.31 | | | − | | | 1.32 | | <0.001 | |
| **Discharged to home** | Odds Ratio | 95% confidence interval | | | | | | | P value | |
| Year |  |  | |  | | |  | |  | |
| 2018 | Reference |  | |  | | |  | |  | |
| 2019 | 0.98 | 0.97 | | − | | | 0.99 | | <0.001 | |
| 2020 | 0.91 | 0.90 | | − | | | 0.91 | | <0.001 | |
| Female (compared with male) | 1.22 | 1.21 | | − | | | 1.23 | | <0.001 | |
| Dizziness and giddiness | Reference |  | |  | | |  | |  | |
| Epidemic vertigo | 0.82 | 0.64 | | − | | | 1.05 | | 0.119 | |
| Ménière’s disease | 0.32 | 0.29 | | − | | | 0.35 | | <0.001 | |
| Benign paroxysmal vertigo | 0.26 | 0.24 | | − | | | 0.28 | | <0.001 | |
| Vestibular neuronitis | 0.05 | 0.03 | | − | | | 0.06 | | <0.001 | |
| Other peripheral vertigo | 0.37 | 0.35 | | − | | | 0.40 | | <0.001 | |
| Vertigo of central origin | 0.21 | 0.19 | | − | | | 0.23 | | <0.001 | |
| Other disorders of vestibular function | 0.22 | 0.15 | | − | | | 0.31 | | <0.001 | |
| Disorders of vestibular function, unspecified | 0.75 | 0.70 | | − | | | 0.80 | | <0.001 | |
| Vertiginous syndromes in diseases classified elsewhere | 0.32 | 0.25 | | − | | | 0.41 | | <0.001 | |
| Night-time (17:00–09:00) (compared with daytime) | 1.12 | 1.11 | | − | | | 1.13 | | <0.001 | |
| Weekends (compared with weekdays) | 1.12 | 1.11 | | − | | | 1.13 | | <0.001 | |
| Age (per 10 years) | 0.75 | 0.75 | | − | | | 0.75 | | <0.001 | |
| **Death at the ED** | Odds ratio | 95% confidence interval | | | | | | | P value | |
| Year |  |  |  | | |  | | |  | |
| 2018 | Reference |  |  | | |  | | |  | |
| 2019 | 0.98 | 0.95 | − | | | 1.02 | | | 0.451 | |
| 2020 | 1.17 | 1.13 | − | | | 1.22 | | | <0.001 | |
| Female (compared with male) | 0.73 | 0.70 | − | | | 0.75 | | | <0.001 | |
| Dizziness and giddiness | Reference |  |  | | |  | | |  | |
| Epidemic vertigo | 30.63 | 2.77 | − | | | 338.59 | | | 0.005 | |
| Ménière’s disease | (omitted) |  |  | | |  | | |  | |
| Benign paroxysmal vertigo | (omitted) |  |  | | |  | | |  | |
| Vestibular neuronitis | (omitted) |  |  | | |  | | |  | |
| Other peripheral vertigo | (omitted) |  |  | | |  | | |  | |
| Vertigo of central origin | (omitted) |  |  | | |  | | |  | |
| Other disorders of vestibular function | (omitted) |  |  | | |  | | |  | |
| Disorders of vestibular function, unspecified | (omitted) |  |  | | |  | | |  | |
| Vertiginous syndromes in diseases classified elsewhere | (omitted) |  |  | | |  | | |  | |
| Night-time (17:00–09:00) (compared with daytime) | 1.58 | 1.53 | − | | | 1.63 | | | <0.001 | |
| Weekends (compared with weekdays) | 0.98 | 0.95 | − | | | 1.02 | | | 0.314 | |
| Age (per 10 years) | 1.42 | 1.40 | − | | | 1.43 | | | <0.001 | |

Supplemental Table 6. Prevalence of emergency admission during the 3-year study period

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Year | 2018 | | 2019 | | 2020 | | Total |  | P value |
| Emergency admission, % | 4,066 | (22.1) | 4,109 | (22.0) | 3,687 | (22.8) | 11,862 | (22.3) | 0.145 |
| Total number of patients with dizziness | 18,396 |  | 18,649 |  | 16,145 |  | 53,190 |  |  |

Supplemental Table 7. Age categories for patients with benign paroxysmal vertigo and vestibular neuronitis

2018

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Age category (y) | Benign paroxysmal vertigo, % | | Vestibular neuronitis, % | |
| 0–9 | 1 | (0.07) | 0 | 0.00 |
| 10–19 | 7 | (0.52) | 1 | (1.09) |
| 20–29 | 55 | (4.06) | 3 | (3.26) |
| 30–39 | 70 | (5.17) | 5 | (5.43) |
| 40–49 | 119 | (8.79) | 14 | (15.22) |
| 50–59 | 168 | (12.41) | 12 | (13.04) |
| 60–69 | 292 | (21.57) | 18 | (19.57) |
| 70–79 | 391 | (28.88) | 30 | (32.61) |
| 80–89 | 235 | (17.36) | 8 | (8.70) |
| 90–99 | 16 | (1.18) | 1 | (1.09) |
| 100–109 | 0 | 0.00 | 0 | 0.00 |
| Total | 1,354 |  | 92 |  |

2019

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Age category (y) | Benign paroxysmal vertigo, % | | Vestibular neuronitis, % | |
| 0–9 | 1 | (0.07) | 0 | 0.00 |
| 10–19 | 7 | (0.48) | 1 | (0.84) |
| 20–29 | 48 | (3.30) | 3 | (2.52) |
| 30–39 | 63 | (4.33) | 9 | (7.56) |
| 40–49 | 135 | (9.28) | 8 | (6.72) |
| 50–59 | 188 | (12.92) | 17 | (14.29) |
| 60–69 | 286 | (19.66) | 29 | (24.37) |
| 70–79 | 447 | (30.72) | 37 | (31.09) |
| 80–89 | 254 | (17.46) | 15 | (12.61) |
| 90–99 | 26 | (1.79) | 0 | 0.00 |
| 100–109 | 0 | 0.00 | 0 | 0.00 |
| Total | 1455 |  | 119 |  |

2020

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Age category (y) | Benign paroxysmal vertigo, % | | Vestibular neuronitis, % | |
| 0–9 | 1 | (0.07) | 0 | 0.00 |
| 10–19 | 8 | (0.55) | 2 | (1.54) |
| 20–29 | 56 | (3.88) | 1 | (0.77) |
| 30–39 | 81 | (5.62) | 11 | (8.46) |
| 40–49 | 137 | (9.50) | 14 | (10.77) |
| 50–59 | 168 | (11.65) | 14 | (10.77) |
| 60–69 | 265 | (18.38) | 31 | (23.85) |
| 70–79 | 464 | (32.18) | 29 | (22.31) |
| 80–89 | 240 | (16.64) | 27 | (20.77) |
| 90–99 | 22 | (1.53) | 1 | (0.77) |
| 100–109 | 0 | 0.00 | 0 | 0.00 |
| Total | 1442 |  | 130 |  |

Supplemental Table 8 Multivariate logistic regression analysis of disposition at the ED for death in patients with dizziness

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Death at the ED** | Odds ratio | 95% confidence interval | | | P value |
| Year |  |  |  |  |  |
| 2018 | Reference |  |  |  |  |
| 2019 | 1.22 | 0.07 | − | 20.79 | 0.891 |
| 2020 | 2.03 | 0.11 | − | 37.66 | 0.634 |
| Female (compared with male) | 0.94 | 0.08 | − | 10.95 | 0.961 |
| Dizziness and giddiness | Reference |  |  |  |  |
| Epidemic vertigo | 30.42 | 2.38 | − | 389.02 | 0.009 |
| Ménière’s disease | (omitted) |  |  |  |  |
| Benign paroxysmal vertigo | (omitted) |  |  |  |  |
| Vestibular neuronitis | (omitted) |  |  |  |  |
| Other peripheral vertigo | (omitted) |  |  |  |  |
| Vertigo of central origin | (omitted) |  |  |  |  |
| Other disorders of vestibular function | (omitted) |  |  |  |  |
| Disorders of vestibular function, unspecified | (omitted) |  |  |  |  |
| Vertiginous syndromes in diseases classified elsewhere | (omitted) |  |  |  |  |
| Night-time (17:00–09:00) (compared with daytime) | 0.49 | 0.04 | − | 5.48 | 0.56 |
| Weekends (compared with weekdays) | 4.05 | 0.36 | − | 45.65 | 0.258 |
| Age (per 10 years) | 4.03 | 0.94 | − | 17.25 | 0.06 |

Supplemental Table 8. Age category and sex differences for total number of patients with dizziness

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Sex |  |  |  |  |  |
| Age category (y) | Male, % | | Female, % | | Both, % | |
| 0–9 | 31 | (0.16) | 16 | (0.05) | 47 | (0.09) |
| 10–19 | 166 | (0.84) | 351 | (1.05) | 517 | (0.97) |
| 20–29 | 663 | (3.34) | 1,409 | (4.22) | 2,072 | (3.90) |
| 30–39 | 1,036 | (5.22) | 1,785 | (5.35) | 2,821 | (5.30) |
| 40–49 | 2,155 | (10.86) | 3,133 | (9.39) | 5,288 | (9.94) |
| 50–59 | 2,840 | (14.32) | 3,695 | (11.08) | 6,535 | (12.29) |
| 60–69 | 4,018 | (20.25) | 5,828 | (17.47) | 9,846 | (18.51) |
| 70–79 | 5,544 | (27.94) | 10,061 | (30.17) | 15,605 | (29.34) |
| 80–89 | 3,138 | (15.82) | 6,366 | (19.09) | 9,504 | (17.87) |
| 90–99 | 247 | (1.25) | 698 | (2.09) | 945 | (1.78) |
| 100–109 | 1 | (0.01) | 9 | (0.03) | 10 | (0.02) |
| Total | 19,839 |  | 33,351 |  | 53,190 |  |