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Table 1 of Supplementary Material. Distribution of burn cases according to age, place of occurrence, use of alcoholic beverages, part of the body affected, evolution of the case and causative agent, stratified by gender. VIVA, 2017.

| Variables | | Male (n = 450) | | | Female (n = 339) | | | Total (n = 789) | | |
|---------------------|-------------------------------|-------------------|------|-------|---------------------|------|------|--------------------|------|-------|
| | | % | SE | VC | % | SE | VC | % | SE | VC |
| Age (years) | 0 - 15 | 25.1 | 2.6 | 10.2 | 21.5 | 2.4 | 11.0 | 23.6 | 1.9 | 8.0 |
| | 16 - 19 | 5.5 | 1.3 | 23.8 | 4.3 | 1.2 | 26.5 | 5.0 | 0.9 | 17.0 |
| | 20 - 39 | 40.2 | 2.4 | 6.0 | 41.4 | 2.7 | 6.4 | 40.7 | 1.8 | 4.3 |
| | 40 - 59 | 24.0 | 2.6 | 10.8 | 25.3 | 2.6 | 10.1 | 24.5 | 1.8 | 7.4 |
| | ≥ 60 | 5.0 | 1.2 | 22.8 | 7.5 | 1.7 | 23.1 | 6.1 | 1.0 | 16.6 |
| | Ignored | 0.2 | 0.2 | 100.0 | - | - | - | 0.1 | 0.1 | 100.0 |
| Place of occurrence | Residence | 57.7 | 3.3 | 5.7 | 81.6 | 2.8 | 3.4 | 67.7 | 2.4 | 3.6 |
| | Bar/Similar | 2.8 | 1.0 | 35.7 | 0.4 | 0.3 | 70.5 | 1.8 | 0.6 | 33.3 |
| | Public road | 10.1 | 1.6 | 15.5 | 2.2 | 0.8 | 37.5 | 6.8 | 1.0 | 14.3 |
| | Commerce, service, industry | 23.5 | 2.8 | 12.0 | 10.2 | 2.0 | 19.3 | 17.9 | 2.1 | 11.4 |
| | Other | 5.9 | 1.4 | 23.9 | 5.5 | 1.6 | 28.4 | 5.8 | 1.1 | 18.8 |
| Alcohol use | Yes | 8.5 | 1.8 | 21.5 | 2.5 | 1.0 | 40.1 | 6.0 | 1.2 | 19.7 |
| | No | 79.3 | 2.4 | 3.0 | 84.2 | 2.2 | 2.6 | 81.4 | 1.7 | 2.1 |
| | Ignored | 12.2 | 1.9 | 15.2 | 13.3 | 2.0 | 15.2 | 12.6 | 1.4 | 11.0 |
| Work commute | Yes | 30.3 | 3.17 | 10.4 | 14.7 | 1.97 | 13.4 | 23.8 | 1.97 | 8.3 |
| | No | 59.3 | 2.8 | 4.7 | 74.7 | 2.4 | 3.2 | 55.8 | 1.8 | 2.8 |
| | Ignored | 10.4 | 1.6 | 15.9 | 10.6 | 1.6 | 14.8 | 10.4 | 1.2 | 11.9 |
| Body part affected | Mouth/teeth | 0.2 | 0.2 | 100.0 | 0.7 | 0.4 | 59.5 | 0.4 | 0.2 | 50.0 |
| | Other region of the head/face | 25.8 | 2.8 | 10.7 | 13.5 | 2.2 | 16.6 | 20.7 | 1.8 | 8.5 |
| | Neck | 0.2 | 0.2 | 100.0 | - | - | - | 0.1 | 0.1 | 100.0 |

Continue...

Table 1 of Supplementary Material. Continuation.

| Variables | | Male (n = 450) | | | Female (n = 339) | | | Total (n = 789) | | |
|-----------|------------------------------|-------------------|-----|-------|---------------------|-----|-------|--------------------|-----|------|
| | | % | SE | VC | % | SE | VC | % | SE | VC |
| | Spinal column/medulla | 0.4 | 0.4 | 102.8 | 0.2 | 0.2 | 100.0 | 0.3 | 0.2 | 79.3 |
| | Thorax/back | 6.3 | 1.4 | 22.9 | 6.1 | 1.6 | 25.3 | 6.2 | 1.0 | 16.4 |
| | Abdomen/hip | 3.6 | 1.0 | 28.7 | 5.8 | 1.6 | 27.1 | 4.6 | 1.0 | 20.9 |
| | Upper limbs | 29.2 | 2.8 | 9.5 | 32.2 | 2.6 | 8.1 | 30.5 | 2.0 | 6.5 |
| | Lower limbs | 18.0 | 2.7 | 15.2 | 25.5 | 2.6 | 10.2 | 21.2 | 1.9 | 8.8 |
| | Genitals | 1.7 | 0.8 | 0.5 | 0.4 | 0.7 | 202.9 | 1.2 | 0.5 | 41.3 |
| | Multiple organs | 12.3 | 1.7 | 14.0 | 14.7 | 2.3 | 15.8 | 13.3 | 1.4 | 10.3 |
| | Ignored | 2.2 | 0.7 | 32.4 | 0.7 | 0.6 | 86.5 | 1.6 | 0.5 | 30.0 |
| Evolution | Discharge | 69.1 | 2.6 | 3.8 | 75.4 | 2.6 | 3.5 | 71.8 | 2.1 | 2.9 |
| | Hospitalization | 19.0 | 1.9 | 9.7 | 12.7 | 1.9 | 14.9 | 16.3 | 1.4 | 8.6 |
| | Referred to another hospital | 8.4 | 1.7 | 20.7 | 10.1 | 1.8 | 17.5 | 9.1 | 1.3 | 14.5 |
| | Evasion | 1.1 | 0.6 | 54.1 | - | - | - | 0.7 | 0.4 | 53.8 |
| | Ignored | 2.4 | 0.6 | 23.0 | 1.8 | 0.6 | 33.5 | 2.2 | 0.4 | 20.0 |
| Burn type | Fire/flame | 21.5 | 2.8 | 12.9 | 9.2 | 1.6 | 17.8 | 16.3 | 1.7 | 10.7 |
| | Hot substance | 42.6 | 3.4 | 8.0 | 65.1 | 3.4 | 5.2 | 52.0 | 2.5 | 4.8 |
| | Hot object | 12.9 | 1.9 | 15.0 | 10.2 | 1.7 | 16.6 | 11.8 | 1.3 | 11.3 |
| | Electric shock | 6.6 | 1.2 | 18.3 | 2.2 | 0.9 | 40.0 | 4.8 | 0.8 | 16.8 |
| | Chemical substance | 10.7 | 2.0 | 18.9 | 4.6 | 1.4 | 29.9 | 8.1 | 1.2 | 14.9 |
| | Other | 5.2 | 1.1 | 22.1 | 6.9 | 1.6 | 23.8 | 5.9 | 1.0 | 16.5 |
| | Ignored | 0.6 | 0.3 | 47.4 | 1.9 | 0.8 | 45.2 | 1.1 | 0.4 | 33.3 |

SE: standard error; VC: variation coefficient.

Table 2 of Supplementary Material. Coordinates and contributions of the demographic characteristics of burn victims. VIVA, 2017.

| Variables | | RF | Coordinates of bi-plot chart | | Proportion of explained variance* | Contribution | | | | |
|---------------------|---------------------|------|------------------------------|----------------|-----------------------------------|----------------|----------------|--------------------|----------------|-------|
| | | | | | | From the point | | From the dimension | | Total |
| | | | 1 ^a | 2 ^b | | 1 ^a | 2 ^b | 1 ^a | 2 ^b | |
| Line | Categories | | | | | | | | | |
| Sexo | Male | 0.30 | -0.31 | 0.33 | 0.01 | 0.11 | 0.26 | 0.64 | 0.35 | 0.99 |
| | Female | 0.20 | 0.44 | -0.47 | 0.02 | 0.16 | 0.38 | 0.64 | 0.35 | 0.99 |
| Age (years) | 1 (0 - 15) | 0.11 | 1.01 | 0.46 | 0.03 | 0.46 | 0.20 | 0.90 | 0.09 | 0.99 |
| | 1 (16 - 19) | 0.03 | -0.44 | 0.39 | 0.00 | 0.02 | 0.03 | 0.35 | 0.13 | 0.48 |
| | 1 (20 - 39) | 0.21 | -0.48 | -0.16 | 0.01 | 0.19 | 0.05 | 0.91 | 0.05 | 0.96 |
| | 1 (40 - 59) | 0.12 | -0.14 | -0.26 | 0.00 | 0.01 | 0.07 | 0.20 | 0.34 | 0.54 |
| | 1 (≥ 60) | 0.03 | 0.66 | 0.20 | 0.01 | 0.05 | 0.01 | 0.54 | 0.02 | 0.56 |
| Column | Categories | | | | | | | | | |
| Work or commute | 4 (Commute to work) | 0.06 | -0.95 | -0.07 | 0.01 | 0.21 | 0.00 | 0.98 | 0.00 | 0.98 |
| Place of occurrence | 5 (Residence) | 0.17 | 0.48 | -0.06 | 0.01 | 0.16 | 0.01 | 0.99 | 0.01 | 1.00 |
| | 5 (Commerce) | 0.04 | -1.01 | -0.01 | 0.01 | 0.18 | 0.00 | 0.99 | 0.00 | 0.99 |
| | 5 (Public space) | 0.02 | -0.86 | 0.55 | 0.00 | 0.05 | 0.04 | 0.81 | 0.16 | 0.97 |
| Body part | 6 (Head) | 0.05 | -0.43 | 0.27 | 0.00 | 0.04 | 0.03 | 0.81 | 0.16 | 0.97 |
| | 6 (Thorax) | 0.02 | 0.72 | 0.61 | 0.00 | 0.03 | 0.05 | 0.59 | 0.21 | 0.79 |
| | 6 (Hip) | 0.01 | 0.62 | -0.12 | 0.00 | 0.02 | 0.00 | 0.65 | 0.01 | 0.66 |
| | 6 (Upper limb) | 0.07 | -0.15 | -0.33 | 0.00 | 0.01 | 0.07 | 0.25 | 0.61 | 0.85 |
| | 6 (Lower limb) | 0.05 | 0.19 | -0.31 | 0.00 | 0.01 | 0.04 | 0.42 | 0.56 | 0.97 |
| | 6 (Multiple organs) | 0.03 | 0.60 | 0.35 | 0.00 | 0.05 | 0.03 | 0.83 | 0.13 | 0.96 |

Continue...

Table 2 of Supplementary Material. Continuation.

| Variables | RF | Coordinates of bi-plot chart | | Proportion of explained variance* | Contribution | | | | | |
|--------------------|------------------------|------------------------------|----------------|-----------------------------------|----------------|----------------|--------------------|----------------|-------|------|
| | | | | | From the point | | From the dimension | | Total | |
| | | 1 ^a | 2 ^b | | 1 ^a | 2 ^b | 1 ^a | 2 ^b | | |
| Evolution/Severity | 7 (Discharge) | 0.18 | -0.09 | -0.25 | 0.00 | 0.01 | 0.09 | 0.23 | 0.77 | 1.00 |
| | 7 (Hospitalization) | 0.04 | 0.53 | 0.86 | 0.01 | 0.05 | 0.25 | 0.43 | 0.53 | 0.96 |
| | 7 (Hospitalization) | 0.02 | 0.61 | 0.47 | 0.00 | 0.03 | 0.04 | 0.56 | 0.16 | 0.72 |
| Consumed alcohol | 8 (Alcohol) | 0.01 | -1.05 | 0.03 | 0.00 | 0.07 | 0.00 | 0.86 | 0.00 | 0.86 |
| Type of burn | 9 (Chemical substance) | 0.02 | -0.53 | 0.51 | 0.00 | 0.02 | 0.04 | 0.55 | 0.25 | 0.80 |
| | 9 (Hot substance) | 0.13 | 0.32 | -0.31 | 0.00 | 0.05 | 0.10 | 0.68 | 0.32 | 1.00 |
| | 9 (Hot object) | 0.03 | 0.15 | 0.41 | 0.00 | 0.00 | 0.04 | 0.13 | 0.45 | 0.58 |
| | 9 (Fire) | 0.04 | -0.35 | 0.50 | 0.00 | 0.02 | 0.08 | 0.36 | 0.35 | 0.71 |
| | 9 (Electric Shock) | 0.01 | -0.39 | 0.86 | 0.00 | 0.01 | 0.07 | 0.22 | 0.51 | 0.73 |

RF: relative frequency; * χ^2 test = 1547.609, $p < 0.0001$; ^anumber 1 refers to Dimension 1; ^bnumber 2 refers to Dimension 2.