**Etable 1:** Awareness of ischemic stroke symptoms by demographic factors for all-3 healthcare professionals.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Gender** | |  | **Age (Years)** | |  | **Region\*** | | | | | **Care Level\*** | | | **Clinical Experience (Years)** | | | | | |
| **Male** | **Female** |  | **20-35** | **>35** |  | **Urban** | **Rural** |  | **Private** |  | **Primary** | **Secondary** |  | **0-1.0** | **1.1-5.0** | **5.1-10.0** | **10.1-15.0** | **>15.0** |  |
| n=117  % | n=218  % | ***p*** | n=149  % | n=132  % | ***p*** | n=70  % | n=241  % | ***p*** | n=40  % | **p-value** | n=141 | n=170 | **p-value** | n=19 | n=75 | n=77 | n=66 | n=84 | **p-value** |
| ***Symptoms*** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Numbness or weakness in the face, arms or legs especially on one side of the body | 92.3 | 94.5 | 0.889 | 94.0 | 96.2 | 0.891 | 91.4 | 93.8 | 0.899 | 90.0 | 0.869 | 94.3 | 92.4 | 0.899 | 89.5 | 98.7 | 89.6 | 93.9 | 91.7 | 0.995 |
| Confusion, difficulty speaking or understanding speech | 88.9 | 89.0 | 0.995 | 87.9 | 91.7 | 0.815 | 91.4 | 87.6 | 0.831 | 85.0 | 0.863 | 85.8 | 90.6 | 0.752 | 78.9 | 93.3 | 83.1 | 87.9 | 89.3 | 0.988 |
| Severe headache with no known cause | 80.3 | 76.1 | 0.770 | 77.9 | 80.3 | 0.870 | 74.3 | 78.4 | 0.805 | 80.0 | 0.886 | 75.2 | 79.4 | 0.765 | 68.4 | 89.3 | 70.1 | 72.7 | 79.8 | 0.887 |
| Dizziness, trouble walking, loss of balance or coordination | 86.3 | 86.7 | 0.980 | 85.2 | 90.9 | 0.721 | 88.6 | 85.5 | 0.863 | 82.5 | 0.854 | 83.7 | 88.2 | 0.761 | 78.9 | 86.7 | 81.8 | 83.3 | 91.7 | 0.989 |
| Vision disturbances in one or both eyes | 80.3 | 80.7 | 0.978 | 77.9 | 84.1 | 0.682 | 80.0 | 79.7 | 0.985 | 75.0 | 0.814 | 83.7 | 76.5 | 0.617 | 68.4 | 81.3 | 72.7 | 77.3 | 88.1 | 0.939 |
| ***Detractors*** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Breathing difficulties | 41.9 | 38.1 | 0.710 | 40.9 | 37.1 | 0.718 | 42.9 | 39 | 0.754 | 45.0 | 0.688 | 37.6 | 41.8 | 0.681 | 47.4 | 45.3 | 42.9 | 37.9 | 33.3 | 0.911 |
| Chest pain | 45.3 | 31.2 | 0.158 | 34.9 | 37.9 | 0.770 | 41.4 | 34.4 | 0.554 | 42.5 | 0.622 | 35.5 | 36.5 | 0.917 | 31.6 | 49.3 | 32.5 | 34.8 | 29.8 | 0.686 |
| Nausea | 53.0 | 52.3 | 0.953 | 51.7 | 53.0 | 0.912 | 54.3 | 54.4 | 0.996 | 35.0 | 0.217 | 53.9 | 54.7 | 0.946 | 63.2 | 53.3 | 49.4 | 48.5 | 56.0 | 0.977 |

\*: Between Doctors and Nurses.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Sector** | | | **Clinical Experience (Years)** | | | | | |
| **Government** | **Private** |  | **0-1.0** | **1.1-5.0** | **5.1-10.0** | **10.1-15.0** | **>15.0** |  |
| n=304  % | n=40  % | ***p*** | n=19   % | n=75   % | n=77  % | n=66   % | n=84   % | ***p*** |
|
| ***Symptoms*** |  |  |  |  |  |  |  |  |  |
| Numbness or weakness in the face, arms or legs especially on one side of the body | 93.8 | 90.0 | 0.869 | 89.5 | 98.7 | 89.6 | 93.9 | 91.7 | 0.995 |
| Confusion, difficulty speaking or understanding speech | 88.8 | 85.0 | 0.863 | 78.9 | 93.3 | 83.1 | 87.9 | 89.3 | 0.988 |
| Severe headache with no known cause | 77.0 | 80.0 | 0.886 | 68.4 | 89.3 | 70.1 | 72.7 | 79.8 | 0.887 |
| Dizziness, trouble walking, loss of balance or coordination | 86.5 | 82.5 | 0.854 | 78.9 | 86.7 | 81.8 | 83.3 | 91.7 | 0.989 |
| Vision disturbances in one or both eyes | 79.9 | 75.0 | 0.814 | 68.4 | 81.3 | 72.7 | 77.3 | 88.1 | 0.939 |
| ***Detractors*** |  |  |  |  |  |  |  |  |  |
| Breathing difficulties | 38.8 | 45.0 | 0.688 | 47.4 | 45.3 | 42.9 | 37.9 | 33.3 | 0.911 |
| Chest pain | 35.2 | 42.5 | 0.622 | 31.6 | 49.3 | 32.5 | 34.8 | 29.8 | 0.686 |
| Nausea | 54.6 | 35.0 | 0.217 | 63.2 | 53.3 | 49.4 | 48.5 | 56.0 | 0.977 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Education#** | | | | | **Location\*** | | | | | | |
| **Certificate** | **Diploma** | **Degree** | **Masters** |  | **Gaborone** | **Kgatleng** | **Southeast** | **Kweneng** | **Ngwaketse** | **Lobatse** |  |
| n=21  % | n=186  % | n=48  % | n=5  % | ***p*** | n=30  % | n=22  % | n=89  % | n=62  % | n=74  % | n=34  % | ***p*** |
| ***Symptoms*** |  |  |  |  |  |  |  |  |  |  |  |  |
| Numbness or weakness in the face, arms or legs especially on one side of the body | 95.2 | 91.9 | 97.9 | 80.0 | 0.988 | 93.3 | 95.5 | 91.0 | 93.5 | 97.3 | 88.2 | 0.999 |
| Confusion, difficulty speaking or understanding speech | 90.5 | 85.5 | 91.7 | 80.0 | 0.990 | 93.3 | 90.9 | 84.3 | 82.3 | 95.9 | 88.2 | 0.992 |
| Severe headache with no known cause | 81.0 | 75.3 | 77.1 | 80.0 | 0.997 | 76.7 | 86.4 | 75.3 | 79.0 | 81.1 | 67.6 | 0.994 |
| Dizziness, trouble walking, loss of balance or coordination | 81.0 | 86.0 | 89.6 | 80.0 | 0.994 | 93.3 | 90.9 | 84.3 | 85.5 | 86.5 | 82.4 | 0.999 |
| Vision disturbances in one or both eyes | 66.7 | 80.1 | 81.3 | 80.0 | 0.969 | 90.0 | 81.8 | 79.8 | 77.4 | 81.1 | 70.6 | 0.995 |
| ***Detractors*** |  |  |  |  |  |  |  |  |  |  |  |  |
| Breathing difficulties | 42.9 | 32.3 | 41.7 | 60.0 | 0.806 | 36.7 | 45.5 | 38.2 | 48.4 | 33.8 | 41.2 | 0.959 |
| Chest pain | 42.9 | 26.9 | 22.9 | 20.0 | 0.808 | 30.0 | 50.0 | 28.1 | 40.3 | 36.5 | 44.1 | 0.854 |
| Nausea | 28.6 | 55.9 | 58.3 | 40.0. | 0.596 | 50.0 | 68.2 | 41.6 | 62.9 | 59.5 | 55.9 | 0.780 |

\*: Between Doctors and Nurses; #: Between Nurses and Paramedics.

**Etable 2:** Awareness of ischemic stroke symptoms by sociodemographic factors for doctors.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Gender** | | | **Age (Years)** | | | **Region** | | |
| **Male** | **Female** |  | **20-35** | **>35** |  | **Urban** | **Rural** |  |
| n=49  % | n=31  % | ***p*** | n=30  % | n=38  % | ***p*** | n=26  % | n=58  % | ***p*** |
| ***Symptoms*** |  |  |  |  |  |  |  |  |  |
| Numbness or weakness in the face, arms or legs especially on one side of the body | 95.9 | 93.5 | 0.940 | 96.7 | 97.4 | 0.984 | 88.5 | 96.6 | 0.801 |
| Confusion, difficulty speaking or understanding speech | 93.9 | 93.5 | 0.992 | 96.7 | 94.7 | 0.954 | 88.5 | 94.8 | 0.842 |
| Severe headache with no known cause | 79.6 | 83.9 | 0.884 | 83.3 | 84.2 | 0.978 | 80.8 | 81.0 | 0.993 |
| Dizziness, trouble walking, loss of balance or coordination | 87.8 | 87.1 | 0.983 | 83.3 | 94.7 | 0.726 | 88.5 | 84.5 | 0.898 |
| Vision disturbances in one or both eyes | 81.6 | 87.1 | 0.855 | 83.3 | 81.6 | 0.955 | 80.8 | 79.3 | 0.961 |
| ***Detractors*** |  |  |  |  |  |  |  |  |  |
| Breathing difficulties | 53.1 | 48.4 | 0.840 | 63.3 | 47.4 | 0.533 | 53.8 | 51.7 | 0.930 |
| Chest pain | 63.3 | 61.3 | 0.939 | 73.3 | 57.9 | 0.580 | 61.5 | 63.8 | 0.932 |
| Nausea | 51.0 | 38.7 | 0.570 | 50.0 | 50.0 | 0.999 | 46.2 | 48.3 | 0.926 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Sector** | | | **Clinical Experience (Years)** | | | | | |
| **Government** | **Private** |  | **0-1.0** | **1.1-5.0** | **5.1-10.0** | **10.1-15.0** | **>15.0** |  |
| n=74  % | n=10  % | ***p*** | n=3   % | n=26   % | n=21  % | n=19   % | n=11   % | ***p*** |
| ***Symptoms*** |  |  |  |  |  |  |  |  |  |
| Numbness or weakness in the face, arms or legs especially on one side of the body | 94.6 | 90.0 | 0.920 | 100.0 | 100.0 | 90.5 | 89.5 | 100.0 | 0.998 |
| Confusion, difficulty speaking or understanding speech | 93.2 | 90.0 | 0.943 | 100.0 | 100.0 | 90.5 | 84.2 | 100.0 | 0.996 |
| Severe headache with no known cause | 79.7 | 90.0 | 0.815 | 100.0 | 96.2 | 61.9 | 73.7 | 90.9 | 0.900 |
| Dizziness, trouble walking, loss of balance or coordination | 85.1 | 90.0 | 0.913 | 100.0 | 84.6 | 81.0 | 84.2 | 100.0 | 0.996 |
| Vision disturbances in one or both eyes | 81.1 | 70.0 | 0.789 | 100.0 | 88.5 | 71.4 | 78.9 | 90.9 | 0.988 |
| ***Detractors*** |  |  |  |  |  |  |  |  |  |
| Breathing difficulties | 48.6 | 80.0 | 0.410 | 66.7 | 61.5 | 52.4 | 31.6 | 63.6 | 0.854 |
| Chest pain | 60.8 | 80.0 | 0.631 | 66.7 | 73.1 | 61.9 | 47.4 | 72.7 | 0.952 |
| Nausea | 45.9 | 60.0 | 0.685 | 66.7 | 46.2 | 47.6 | 42.1 | 54.5 | 0.995 |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Education** | | | **Location** | | | | | | |
| **Degree** | **Masters** |  | **Gaborone** | **Kgatleng** | **Southeast** | **Kweneng** | **Ngwaketse** | **Lobatse** |  |
| n=71  % | n=13  % | ***p*** | n=12  % | n=9  % | n=20  % | n=16  % | n=19  % | n=8  % | ***p*** |
| ***Symptoms*** |  |  |  |  |  |  |  |  |  |  |
| Numbness or weakness in the face, arms or legs especially on one side of the body | 94.4 | 92.3 | 0.960 | 83.3 | 100.0 | 90.0 | 100.0. | 100.0 | 87.5 | 0.999 |
| Confusion, difficulty speaking or understanding speech | 93.0 | 92.3 | 0.987 | 83.3 | 100.0 | 85.0 | 100.0 | 100.0 | 87.5 | 0.998 |
| Severe headache with no known cause | 78.9 | 92.3 | 0.733 | 75.0 | 77.8 | 80.0 | 87.5 | 84.2 | 75.0 | 0.999 |
| Dizziness, trouble walking, loss of balance or coordination | 84.5 | 92.3 | 0.846 | 83.3 | 88.9 | 85.0 | 93.8 | 78.9 | 87.5 | 0.999 |
| Vision disturbances in one or both eyes | 80.3 | 76.9 | 0.929 | 75.0 | 77.8 | 75.0 | 68.8 | 94.7 | 87.5 | 0.994 |
| ***Detractors*** |  |  |  |  |  |  |  |  |  |  |
| Breathing difficulties | 52.1 | 53.8 | 0.955 | 50.0 | 44.4 | 70.0 | 62.5 | 36.8 | 37.5 | 0.921 |
| Chest pain | 62.0 | 69.2 | 0.834 | 50.0. | 77.8 | 75.0 | 68.8 | 47.4 | 62.5 | 0.963 |
| Nausea | 50.7 | 30.8 | 0.463 | 50.0 | 66.7 | 45.0 | 56.3 | 42.1 | 25.0 | 0.958 |

**Etable 3:** Awareness of ischemic stroke symptoms by sociodemographic factors for nurses.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Gender** | | | **Age (Years)** | | | **Region** | | |
| **Male** | **Female** |  | **20-35** | **>35** |  | **Urban** | **Rural** |  |
| n=50  % | n=172  % | ***p*** | n=101  % | n=83  % | ***p*** | n=44  % | n=183  % | ***p*** |
| ***Symptoms*** |  |  |  |  |  |  |  |  |  |
| Numbness or weakness in the face, arms or legs especially on one side of the body | 90.0 | 94.2 | 0.848 | 94.1 | 95.2 | 0.956 | 93.2 | 92.9 | 0.990 |
| Confusion, difficulty speaking or understanding speech | 86.0 | 87.8 | 0.933 | 86.1 | 90.4 | 0.830 | 93.2 | 85.2 | 0.723 |
| Severe headache with no known cause | 80.0 | 75.6 | 0.825 | 76.2 | 79.5 | 0.859 | 70.5 | 77.6 | 0.727 |
| Dizziness, trouble walking, loss of balance or coordination | 86.0 | 86.6 | 0.976 | 86.1 | 90.4 | 0.830 | 88.6 | 85.8 | 0.898 |
| Vision disturbances in one or both eyes | 78.0 | 80.8 | 0.889 | 77.2 | 85.5 | 0.660 | 79.5 | 79.8 | 0.991 |
| ***Detractors*** |  |  |  |  |  |  |  |  |  |
| Breathing difficulties | 34.0 | 36.0 | 0.879 | 35.6 | 32.5 | 0.799 | 36.4 | 35.0 | 0.922 |
| Chest pain | 32.0 | 25.0 | 0.563 | 24.8 | 27.7 | 0.783 | 29.5 | 25.1 | 0.722 |
| Nausea | 66.0 | 55.2 | 0.542 | 56.4 | 56.6 | 0.990 | 59.1 | 56.3 | 0.876 |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Sector** | | | **Clinical Experience (Years)** | | | | | |
| **Government** | **Private** |  | **0-1.0** | **1.1-5.0** | **5.1-10.0** | **10.1-15.0** | **>15.0** |  |
| n=220  % | n=7  % | ***p*** | n=11  % | n=41  % | n=52  **%** | n=43  % | n=68  % | ***p*** |
| ***Symptoms*** |  |  |  |  |  |  |  |  |  |
| Numbness or weakness in the face, arms or legs especially on one side of the body | 93.2 | 85.7 | 0.884 | 90.9 | 100.0 | 88.5 | 95.3 | 89.7 | 0.995 |
| Confusion, difficulty speaking or understanding speech | 87.3 | 71.4 | 0.743 | 81.8 | 90.2 | 80.8 | 88.4 | 86.8 | 0.997 |
| Severe headache with no known cause | 76.4 | 71.4 | 0.916 | 63.6 | 87.8 | 73.1 | 74.4 | 76.5 | 0.973 |
| Dizziness, trouble walking, loss of balance or coordination | 86.4 | 85.7 | 0.990 | 81.8 | 90.2 | 80.8 | 81.4 | 91.2 | 0.990 |
| Vision disturbances in one or both eyes | 79.5 | 85.7 | 0.901 | 72.7 | 80.5 | 71.2 | 76.7 | 86.8 | 0.973 |
| ***Detractors*** |  |  |  |  |  |  |  |  |  |
| Breathing difficulties | 35.5 | 28.6 | 0.823 | 45.5 | 39.0 | 40.4 | 37.2 | 29.4 | 0.943 |
| Chest pain | 26.4 | 14.3 | 0.621 | 27.3 | 36.6 | 21.2 | 25.6 | 22.1 | 0.878 |
| Nausea | 57.7 | 28.6 | 0.413 | 90.9 | 58.5 | 51.9 | 51.2 | 57.4 | 0.891 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Education** | | | | | **Location** | | | | | | |
| **Certificate** | **Diploma** | **Degree** | **Masters** | | **Gaborone** | **Kgatleng** | **Southeast** | **Kweneng** | **Ngwaketse** | **Lobatse** |  |
| n=1  % | n=177  % | n=45  % | n=4  % | ***p*** | n=18  % | n=13  % | n=69  % | n=46  % | n=55  % | n=26  % | ***p*** |
| ***Symptoms*** |  |  |  |  |  |  |  |  |  |  |  |  |
| Numbness or weakness in the face, arms or legs especially on one side of the body | 100.0 | 92.1 | 97.8 | 75.0 | 0.986 | 100.0 | 92.3 | 91.3 | 91.3 | 96.4 | 88.5 | 0.999 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Confusion, difficulty speaking or understanding speech | 100.0 | 85.9 | 91.1 | 75.0 | 0.992 | 100.0 | 84.6 | 84.1 | 76.1 | 94.5 | 88.5 | 0.982 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Severe headache with no known cause | 100.0 | 76.3 | 75.6 | 75.0 | 0.998 | 77.8 | 92.3 | 73.9 | 76.1 | 80.0 | 65.4 | 0.992 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Dizziness, trouble walking, loss of balance or coordination | 100.0 | 85.9 | 88.9 | 75.0 | 0.998 | 100.0. | 92.3 | 84.1 | 82.6 | 89.1 | 80.8 | 0.997 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Vision disturbances in one or both eyes | 100.0 | 79.7 | 80.0 | 75.0 | 0.999 | 100.0 | 84.6 | 81.2 | 80.4 | 76.4 | 65.4 | 0.974 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| ***Detractors*** |  |  |  |  |  |  |  |  |  |  |  |  |
| Breathing difficulties | 100.0 | 33.3 | 40.0 | 50.0 | 0.887 | 27.8 | 46.2 | 29.0 | 43.5 | 32.7 | 42.3 | 0.926 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Chest pain | 100.0 | 27.1 | 22.2 | 0.0 | 0.648 | 16.7 | 30.8 | 14.5 | 30.4 | 32.7 | 38.5 | 0.566 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Nausea | 100.0 | 56.5 | 57.8 | 50.0 | 0.986 | 50.0 | 69.2 | 40.6 | 65.2 | 65.5 | 65.4 | 0.721 |

**Etable 4:** Awareness of ischemic stroke symptoms by demographic factors for paramedics.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Gender** | | | **Age (Years)** | | | **Region** | | |
| **Male** | **Female** |  | **20-35** | **>35** |  | **Urban** | **Rural** |  |
| n=18  % | n=15  % | ***p*** | n=18  % | n=11  % | ***p*** | n=33  % | NA  % | ***p*** |
| ***Symptoms*** |  |  |  |  |  |  |  |  |  |
| Numbness or weakness in the face, arms or legs especially on one side of the body | 88.9 | 100.0 | 0.817 | 88.9 | 100.0 | 0.833 | 93.9 | NA | NA |
| Confusion, difficulty speaking or understanding speech | 83.3 | 93.3 | 0.830 | 83.3 | 90.9 | 0.881 | 87.9 | NA | NA |
| Severe headache with no known cause | 83.3 | 66.7 | 0.670 | 77.8 | 72.7 | 0.914 | 75.8 | NA | NA |
| Dizziness, trouble walking, loss of balance or coordination | 83.3 | 86.7 | 0.942 | 83.3 | 81.8 | 0.975 | 84.8 | NA | NA |
| Vision disturbances in one or both eyes | 83.3 | 66.7 | 0.697 | 72.2 | 81.8 | 0.840 | 75.8 | NA | NA |
| ***Detractors*** |  |  |  |  |  |  |  |  |  |
| Breathing difficulties | 33.3 | 40.0. | 0.824 | 33.3 | 36.4 | 0.924 | 36.4 | NA | NA |
| Chest pain | 33.3 | 40.0 | 0.824 | 27.8 | 45.5 | 0.587 | 36.4 | NA | NA |
| Nausea | 22.2 | 46.7 | 0.392 | 27.8 | 36.4 | 0.779 | 33.3 | NA | NA |

NA: Not Applicable.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Sector** | | | **Clinical Experience (Years)** | | | | | |
| **Government** | **Private** |  | **0-1.0** | **1.1-5.0** | **5.1-10.0** | **10.1-15.0** | **>15.0** |  |
| n=10  % | n=23  % | ***p*** | n=5  % | n=8  % | n=4  % | n=4  % | n=5  % | ***p*** |
|  |  |  |  |  |  |  |  |  |
| ***Symptoms*** |  |  |  |  |  |  |  |  |  |
| Numbness or weakness in the face, arms or legs especially on one side of the body | 100.0 | 91.3 | 0.868 | 80.0 | 87.5 | 100.0 | 100.0 | 100.0 | 0.999 |
| Confusion, difficulty speaking or understanding speech | 90.0 | 87.0 | 0.952 | 60.0 | 87.5 | 75.0 | 100.0 | 100.0 | 0.986 |
| Severe headache with no known cause | 70.0 | 78.3 | 0.858 | 60.0 | 75.0 | 75.0 | 50.0 | 100.0 | 0.978 |
| Dizziness, trouble walking, loss of balance or coordination | 100.0 | 78.3 | 0.667 | 60.0 | 75.0. | 100.0 | 100.0 | 80.0 | 0.988 |
| Vision disturbances in one or both eyes | 80.0 | 73.9 | 0.897 | 40.0 | 62.5 | 100.0 | 75.0 | 100.0 | 0.921 |
| ***Detractors*** |  |  |  |  |  |  |  |  |  |
| Breathing difficulties | 40.0 | 34.8 | 0.873 | 40.0 | 25 | 25.0 | 75.0 | 20.0 | 0.910 |
| Chest pain | 40.0 | 34.8 | 0.873 | 20.0 | 37.5 | 25.0 | 75.0 | 40.0 | 0.928 |
| Nausea | 50.0 | 26.1 | 0.464 | 0.0 | 50.0 | 25.0 | 50.0 | 40.0 | 0.709 |

NA: Not Applicable.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Education** | | | | | **Location** | | |
| **Certificate** | **Diploma** | **Degree** | **Masters** | | **Gaborone** | **Other** |  |
| n=20  % | n=9  % | n=3  % | n=1  % | ***p*** | n=33  % | NA  % | ***p*** |
| ***Symptoms*** |  |  |  |  |  |  |  |  |
| Numbness or weakness in the face, arms or legs especially on one side of the body | 95.0 | 88.9 | 100.0 | 100.0 | 0.999 | 93.9 | NA | NA |
| Confusion, difficulty speaking or understanding speech | 90.0 | 77.8 | 100.0 | 100.0. | 0.993 | 87.9 | NA | NA |
| Severe headache with no known cause | 80.0 | 55.6 | 100.0 | 100.0 | 0.933 | 75.8 | NA | NA |
| Dizziness, trouble walking, loss of balance or coordination | 80.0 | 88.9 | 100.0 | 100.0 | 0.993 | 84.8 | NA | NA |
| Vision disturbances in one or both eyes | 65.0 | 88.9 | 100.0 | 100.0 | 0.942 | 75.8 | NA | NA |
| ***Detractors*** |  |  |  |  |  |  |  |  |
| Breathing difficulties | 40.0 | 11.1 | 66.7 | 100.0 | 0.613 | 36.4 | NA | NA |
| Chest pain | 40.0 | 22.2 | 33.3 | 100.0 | 0.887 | 36.4 | NA | NA |
| Nausea | 25.0 | 44.4 | 66.7 | 0.0 | 0.790 | 33.3 | NA | NA |

NA: Not Applicable.

**Etable 5:** ANOVA analysis-Mean scores of ischemic stroke symptoms among respondents.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **All-3 healthcare professionals** | | | | **Doctors** | | |
|  | **Primary healthcare** | **Secondary healthcare@** | **Total** | **Primary healthcare** | **Secondary healthcare+** | **Total** |
| Mean (95% CI) | Mean (95% CI) | Mean (95% CI) | Mean (95% CI) | Mean (95% CI) | Mean (95% CI) |
| ***Profession*** |  |  |  |  |  |  |
| Doctor | 4.20 (3.75-4.65) | 4.43 (4.06-4.80) | 4.32 (4.04-4.61) | 4.20 (3.75-4.65) | 4.43 (4.06-4.80) | 4.32 (4.04-4.61) |
| Nurse | 4.23 (3.99-4.47) | 4.21 (3.98-4.45) | 4.22 (4.05-4.39) | NA | NA | NA |
| Paramedic | 4.18 (3.68-4.69) | NA | 4.18 (3.68-4.69) | NA | NA | NA |
| ***P*** | 0.969 | 0.209 | 0.581 | NA | NA | NA |
| ***Gender*** |  |  |  |  |  |  |
| Male | 4.22 (3.88-4.57) | 4.33 (3.98-4.69) | 4.27 (4.03-4.52) | 4.16 (3.56-4.76) | 4.58 (4.23-4.93) | 4.37 (4.02-4.71) |
| Female | 4.26 (4.03-4.49) | 4.28 (4.04-4.53) | 4.27 (4.10-4.44) | 4.29 (3.46-5.12) | 4.59 (3.96-5.22) | 4.45 (3.97-4.93) |
| ***p*** | 0.873 | 0.651 | 0.687 | 0.661 | 0.583 | 0.436 |
| ***Age group (Years)*** |  |  |  |  |  |  |
| 20-35 | 4.21 (3.92-4.50) | 4.25 (3.91-4.58) | 4.23 (4.01-4.45) | 4.14 (3.33-4.95) | 4.68 (4.26-5.11) | 4.43 (4.01-4.86) |
| >35 | 4.34 (4.05-4.63) | 4.52 (4.32-4.71) | 4.42 (4.25-4.60) | 4.42 (3.79-5.05) | 4.58 (4.25-4.91) | 4.50 (4.16-4.84) |
| ***p*** | 0.484 | 0.586 | 0.377 | 0.387 | 0.545 | 0.865 |
| ***Region*** |  |  |  |  |  |  |
| Rural/semi-urban | 4.15 (3.91-4.39) | 4.33 (4.12-4.55) | 4.25 (4.09-4.41) | 4.30 (3.82-4.77) | 4.42 (4.00-4.84) | 4.36 (4.06-4.67) |
| Urban | 4.32 (3.99-4.65) | 4.05 (3.55-4.55) | 4.24 (3.91-4.58) | 4.00 (2.90-5.10) | 4.46 (3.62-5.30) | 4.23 (3.58-4.88) |
| ***p*** | 0.172 | 0.284 | 0.726@ | 0.811 | 0.669 | 0.901 |
| ***Education Level*** |  |  |  |  |  |  |
| Certificate | 4.10 (3.42-4.78) | 5.00 (NA) | 4.14 (3.49-4.79) | NA | NA | NA |
| Diploma | 4.22 (3.97-4.47) | 4.16 (3.87-4.45) | 4.19 (4.00-4.38) | NA | NA | NA |
| Bachelor’s degree | 4.32 (3.99-4.65) | 4.33 (4.04-4.63) | 4.38 (4.07-4.68) | 4.26 (3.81-4.71) | 4.33 (3.89-4.78) | 4.30 (3.99-4.60) |
| Master’s degree | 3.78 (2.11-5.44) | 4.89 (4.63-5.15) | 4.00 (1.22-6.78) | 3.80 (1.11-6.49) | 4.88 (4.58-5.17) | 4.46 (3.62-5.30) |
| ***p*** | 0.909 | 0.293\* | 0.926¤ | 0.735 | 0.393 | 0.456 |
| ***Clinical Experience (Years)*** |  |  |  |  |  |  |
| 1). 0-1.0 | 3.11 (1.70-4.52) | 4.50 (3.37-5.63) | 3.84 (2.97-4.71) | NA | 5.00 (5.00-5.00) | 5.00 (5.00-5.00) |
| 2). >1-5.0 | 4.29 (3.90-4.68) | 4.71 (4.50-4.91) | 4.49 (4.27-4.72) | 4.56 (4.00-5.11) | 4.76 (4.48-5.05) | 4.69 (4.44-4.94) |
| 3). >5-10.0 | 4.05 (3.59-4.52) | 3.90 (3.37-4.43) | 3.97 (3.63-4.32) | 4.08 (3.13-5.04) | 3.78 (2.40-5.15) | 3.95 (3.23-4.68) |
| 4). >10-15.0 | 4.18 (3.70-4.65) | 4.09 (3.58-4.61) | 4.14 (3.80-4.48) | 3.40 (1.96-4.84) | 4.78 (4.27-5.29) | 4.05 (3.26-4.85) |
| 5). >15 | 4.41 (4.04-4.79) | 4.40 (4.05-4.74) | 4.40 (4.16-4.65) | 5.00 (5.00-5.00) | 4.50 (3.58-5.42) | 4.82 (4.55-5.09) |
| ***p*** | 0.123 | 0.043\*; 2 vs 3=0.039 | 0.095\* | 0.080\*; 4 vs 5=0.040 | 0.223 | 0.179\*; 1 vs 3=0.010,  1 vs 4=0.041 |
| **ηp2** |  | 0.061 |  | 0.178 |  | 0.079 |
| ***Sector*** |  |  |  |  |  |  |
| Government | 4.26 (4.06-4.46) | 4.25 (4.05-4.46) | 4.26 (4.11-4.40) | 4.26 (3.81-4.71) | 4.38 (3.97-4.80) | 4.32 (4.03-4.62) |
| Private | 4.03 (3.45-4.61) | 4.80 (4.24-5.36) | 4.13 (3.61-4.64) | 3.80 (1.11-6.49) | 4.80 (4.24-5.36) | 4.30 (3.18-5.42) |
| ***p*** | 0.856 | 0.234\* | 0.989 | 0.735 | 0.693 | 0.867 |
| ***Location*** |  |  |  |  |  |  |
| Gaborone | 4.30 (3.96-4.64) | NA | 4.43 (3.96-4.91) | 3.92 (2.72-5.11) | NA | 3.92 (2.72-5.11) |
| Kgatleng | NA | 4.45 (3.89-5.01) | 4.45 (3.89-5.01) | NA | 4.44 (3.58-5.31) | 4.44 (3.58-5.31) |
| Southeast | 4.13 (3.59-4.66) | 4.16 (3.77-4.54) | 4.15 (3.84-4.45) | 4.00 (2.61-5.39) | 4.27 (3.23-5.32) | 4.15 (3.39-4.91) |
| Kweneng | 3.97 (3.56-4.39) | 4.50 (4.05-4.95) | 4.18 (3.87-4.48) | 4.43 (3.70-5.16) | 4.56 (4.15-4.96) | 4.50 (4.16-4.84) |
| Ngwaketse | 4.35 (4.01-4.69) | 4.50 (4.20-4.80) | 4.42 (4.19-4.65) | 4.50 (3.99-5.01) | 4.71 (4.02-5.41) | 4.58 (4.21-4.95) |
| Lobatse | 5.00 (NA) | 3.94 (3.37-4.51) | 3.97 (3.42-4.52) | NA | 4.25 (2.78-5.72) | 4.25 (2.78-5.72) |
| ***p*** | 0.369 | 0.333\* | 0.405\*@ | 0.944 | 0.901 | 0.934 |
|  | **Nurses** | | | **Paramedics** | | |
| Primary healthcare | Secondary healthcare | Total | Primary healthcare | Secondary healthcare | Total |
| Mean (95% CI) | Mean (95% CI) | Mean (95% CI) | Mean (95% CI) | Mean (95% CI) | Mean (95% CI) |
| ***Profession*** |  |  |  |  |  |  |
| Doctors | NA | NA | NA | NA | NA | NA |
| Nurses | 4.23 (3.99-4.47) | 4.21 (3.98-4.45) | 4.22 (4.05-4.39) | NA | NA | NA |
| Paramedics | NA | NA | NA | 4.18 (3.68-4.69) | NA | 4.18 (3.68-4.69) |
| ***p*** | NA | NA | NA | NA | NA | NA |
| ***Gender*** |  |  |  |  |  |  |
| Male | 4.30 (3.82-4.78) | 4.13 (3.56-4.71) | 4.20 (3.81-4.59) | 4.22(3.41-5.03) | NA | 4.22 (3.41-5.03) |
| Female | 4.28 (4.02-4.54) | 4.23 (3.96-4.49) | 4.25 (4.06-4.44) | 4.13(3.48-4.79) | NA | 4.13 (3.48-4.79) |
| ***p*** | 0.972 | 0.964 | 0.992 | 0.439 | NA | 0.439 |
| ***Age Group (Years)*** |  |  |  |  |  |  |
| 20-35 | 4.30 (3.96-4.63) | 4.12 (3.71-4.53) | 4.20 (3.93-4.47) | 4.06 (3.24-4.86) | NA | 4.06 (3.25-4.86) |
| >35 | 4.32 (3.94-4.69) | 4.49 (4.24-4.73) | 4.41 (4.20-4.62) | 4.27 (3.42-5.13) | NA | 4.27 (3.42-5.13) |
| ***p*** | 0.892 | 0.419 | 0.484 | 0.816 | NA | 0.816 |
| ***Region*** |  |  |  |  |  |  |
| Rural/semi-urban | 4.10 (3.81-4.38) | 4.31 (4.05-4.56) | 4.21 (4.03-4.40) | NA | NA | NA |
| Urban | 4.79 (4.59-4.99) | 3.84 (3.19-4.49) | 4.25 (3.86-4.64) | 4.18 (3.68-4.69) | NA | 4.18 (3.68-4.69) |
| ***p*** | 0.001\* | 0.094 | 0.811 | NA | NA | NA |
| ***d*** | 0.587 |  |  |  |  |  |
| ***Education Level*** |  |  |  |  |  |  |
| 1). Certificate | NA | 5.00 (NA) | 5.00 (NA) | 4.10 (3.42-4.78) | NA | 4.10 (3.42-4.78) |
| 2). Diploma | 4.24 (3.99-4.50) | 4.16 (3.87-4.45) | 4.20 (4.00-4.39) | 4.00 (2.73-5.27) | NA | 4.00 (2.73-5.27) |
| 3). Bachelor’s degree | 4.33 (3.75-4.91) | 4.33 (3.93-4.74) | 4.33 (4.01-4.65) | 5.00 (5.00-5.00) | NA | 5.00 (5.00-5.00) |
| 4). Master’s degree | 3.33 (-3.84-10.50) | 5.00 (NA) | 3.75 (-0.23-7.73) | 5.00 (NA) | NA | 5.00 (NA) |
| ***p*** | 0.805 | 0.764 | 0.886 | 0.538\*; 1 vs 3=0.009 | NA | 0.538\*; 1 vs 3=0.009 |
| **ηp2** |  |  |  | 0.129 |  | 0.129 |
| ***Clinical Experience (Years)*** |  |  |  |  |  |  |
| 0-1.0 | 3.25 (1.25-5.25) | 4.29 (2.54-6.03) | 3.91 (2.77-5.05) | 3.00 (0.08-5.91) | NA | 3.00 (0.09-5.91) |
| >1.1-5.0 | 4.33 (3.83-4.84) | 4.65 (4.34-4.96) | 4.49 (4.20-4.78) | 3.88 (2.43-5.32) | NA | 3.88 (2.43-5.32) |
| >5-10.0 | 3.95 (3.30-4.60) | 3.94 (3.34-4.53) | 3.94 (3.51-4.37) | 4.50 (2.91-6.09) | NA | 4.50 (2.91-6.09) |
| >10-15.0 | 4.55 (4.16-4.94) | 3.83 (3.15-4.50) | 4.16 (3.76-4.57) | 4.25 (2.73-5.77) | NA | 4.25 (2.73-5.77) |
| >15 | 4.21 (3.69-4.72) | 4.38 (4.01-4.76) | 4.31 (4.01-4.61) | 4.80 (4.24-5.36) | NA | 4.80 (4.24-5.36) |
| ***p*** | 0.209 | 0.152\* | 0.288 | 0.552 | NA | 0.552 |
| ***Sector*** |  |  |  |  |  |  |
| Government | 4.24 (4.01-4.48) | 4.21 (3.98-4.45) | 4.23 (4.06-4.40) | 4.40 (3.71-5.09) | NA | 4.40 (3.71-5.09) |
| Private | 4.00 (2.23-5.77) | NA | 4.00 (2.23-5.77) | 4.09 (3.40-4.78) | NA | 4.09 (3.40-4.78) |
| ***p*** | 0.966 | NA | 0.917 | 0.707 | NA | 0.707 |
| ***Location*** |  |  |  |  |  |  |
| 1). Gaborone | 4.78 (4.57-4.99) | NA | 4.78 (4.57-4.99) | 4.18 (3.68-4.69) | NA | 4.18 (3.68-4.69) |
| 2). Kgatleng | NA | 4.46 (3.62-5.30) | 4.46 (3.62-5.30) | NA | NA | NA |
| 3). Southeast | 4.17 (3.58-4.77) | 4.13 (3.70-4.56) | 4.14 (3.81-4.48) | NA | NA | NA |
| 4). Kweneng | 3.87 (3.38-4.36) | 4.47 (3.75-5.19) | 4.07 (3.67-4.46) | NA | NA | NA |
| 5). Ngwaketse | 4.29 (3.83-4.74) | 4.44 (4.09-4.80) | 4.36 (4.08-4.65) | NA | NA | NA |
| 6). Lobatse | 5.00 (NA) | 3.84 (3.19-4.49) | 3.88 (3.26-4.51) | NA | NA | NA |
| ***p*** | 0.051\*; 1 vs 4=0.008 | 0.29 | 0.059\* | NA | NA | NA |
| **ηp2** | 0.077 |  |  |  |  |  |

CI: Confidence Interval; +: Used Mann-Whitney U/Kruskal Wallis H; NA: Not Applicable; \*: Equal Variances Not Assumed;

np2: Partial Eta Squared; d: Cohen's D; @: Between Doctors and Nurses; ¤: Between Nurses and Paramedics.







