

Table 2. Multivariable Logistic Regression Results for  
Assessing Factors Associated with Mortality Among Patients with  
Post-COVID-19 Vaccination Adverse Reactions

| Factors                                | Adjusted for age and gender |          | Fully adjusted  |          |
|--|-----------------------------|----------|-----------------|----------|
|  | OR(95%CI)                   | P values | OR(95%CI)       | P values |
| Age in years                           | 1.09(1.09-1.1)              | <0.001   | 1.09(1.08-1.09) | <0.001   |
| 0 - 17                                 | 1[Reference]                | NA       |                 |          |
| 18 - 34                                | 1.1(0.65-2.02)              | 0.733    |                 |          |
| 35 - 49                                | 2.25(1.36-4.04)             | 0.003    |                 |          |
| 50 - 64                                | 6.94(4.26-12.37)            | <0.001   |                 |          |
| 65 - 79                                | 22.81(14.05-40.57)          | <0.001   |                 |          |
| >=80                                   | 115.92(71.39-206.21)        | <0.001   |                 |          |
| Gender, Female vs Male                 | 0.34(0.32-0.36)             | <0.001   | 0.38(0.36-0.41) | <0.001   |
| Hospital admission status, Yes vs No   | 2.16(2-2.32)                | <0.001   | 2.19(2.02-2.37) | <0.001   |
| Post-vaccination disability, Yes vs No | 0.31(0.22-0.42)             | <0.001   | 0.21(0.15-0.29) | <0.001   |
| Life-threatening event, Yes vs No      | 1.16(0.99-1.36)             | 0.063    | 0.71(0.6-0.84)  | <0.001   |
| Birth defeat, Yes vs No                | 1.26(0.2-4.17)              | 0.752    | 1.31(0.21-4.36) | 0.711    |
| <b>Comorbidities</b>                   |                             |          |                 |          |
| Asthma                                 | 0.68(0.57-0.81)             | <0.001   | 0.64(0.52-0.76) | <0.001   |
| Hypertension                           | 1.29(1.19-1.39)             | <0.001   | 0.99(0.91-1.08) | 0.883    |
| Diabetes                               | 1.89(1.74-2.05)             | <0.001   | 1.56(1.42-1.71) | <0.001   |
| Anxiety                                | 1.96(1.66-2.3)              | <0.001   | 1.46(1.21-1.75) | <0.001   |
| Allergy                                | 0.44(0.34-0.54)             | <0.001   | 0.39(0.3-0.48)  | <0.001   |
| Arthritis                              | 0.78(0.68-0.89)             | <0.001   | 0.64(0.55-0.74) | <0.001   |
| Depression                             | 1.91(1.62-2.23)             | <0.001   | 1.42(1.19-1.7)  | <0.001   |
| Hypothyroidism                         | 1.36(1.18-1.55)             | <0.001   | 1.1(0.95-1.27)  | 0.182    |
| High Cholesterol                       | 1.32(1.2-1.45)              | <0.001   | 0.98(0.88-1.1)  | 0.777    |
| Heart Disease                          | 2(1.8-2.21)                 | <0.001   | 1.64(1.47-1.83) | <0.001   |
| GERD                                   | 1.48(1.28-1.7)              | <0.001   | 1.12(0.96-1.31) | 0.155    |
| Cancer                                 | 1.41(1.25-1.59)             | <0.001   | 1.18(1.04-1.33) | 0.012    |
| Obesity                                | 2.44(2.1-2.82)              | <0.001   | 1.82(1.55-2.13) | <0.001   |
| Migraine                               | 0.63(0.44-0.86)             | 0.006    | 0.56(0.39-0.77) | <0.001   |
| Kidney Disease                         | 2.6(2.31-2.92)              | <0.001   | 1.85(1.63-2.1)  | <0.001   |
| COVID19 Positive                       | 2.18(1.9-2.49)              | <0.001   | 1.83(1.59-2.1)  | <0.001   |
| <b>Symptoms</b>                        |                             |          |                 |          |
| Headache                               | 1.12(1.04-1.2)              | 0.003    | 1.02(0.93-1.11) | 0.696    |
| Pyrexia                                | 1.15(1.06-1.25)             | <0.001   | 1.08(0.99-1.18) | 0.076    |
| Fatigue                                | 1.13(1.04-1.22)             | 0.003    | 1.04(0.95-1.14) | 0.358    |
| Chills                                 | 1.09(1.01-1.18)             | 0.028    | 0.96(0.88-1.06) | 0.432    |
| Swelling                               | 1.01(0.92-1.1)              | 0.914    | 0.97(0.88-1.08) | 0.609    |
| Rash                                   | 1.07(0.97-1.18)             | 0.154    | 1.05(0.94-1.17) | 0.384    |
| Dizziness                              | 1.13(1.03-1.23)             | 0.01     | 1(0.91-1.11)    | 0.938    |
| Nausea                                 | 1.14(1.04-1.25)             | 0.004    | 1.06(0.96-1.17) | 0.248    |
| Pruritus                               | 1.02(0.93-1.12)             | 0.716    | 0.99(0.89-1.11) | 0.913    |
| Erythema                               | 1.01(0.92-1.11)             | 0.805    | 0.99(0.89-1.11) | 0.916    |
| Myalgia                                | 0.99(0.87-1.12)             | 0.834    | 0.88(0.76-1)    | 0.052    |
| Dyspnoea                               | 1.17(1.03-1.33)             | 0.014    | 1.04(0.91-1.19) | 0.555    |
| Paraesthesia                           | 1.04(0.9-1.2)               | 0.567    | 0.96(0.83-1.12) | 0.626    |
| Hypoaesthesia                          | 1.07(0.91-1.25)             | 0.396    | 0.97(0.82-1.15) | 0.743    |
| Asthenia                               | 1.21(1.04-1.39)             | 0.01     | 1.1(0.95-1.28)  | 0.202    |
| Muscle weakness                        | 0(0-0)                      | 0.888    | 0(0-0)          | 0.884    |

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Assessing Factors Associated with Mortality Among Patients with  
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| Factors                     | Adjusted for age and gender |          | Fully adjusted  |          |
|-----------------------------|-----------------------------|----------|-----------------|----------|
|                             | OR(95%CI)                   | P values | OR(95%CI)       | P values |
| Vomiting                    | 1.05(0.91-1.21)             | 0.47     | 0.94(0.81-1.1)  | 0.458    |
| Hyperhidrosis               | 1.25(1.08-1.45)             | 0.003    | 1.12(0.96-1.31) | 0.153    |
| Urticaria                   | 1.04(0.88-1.22)             | 0.625    | 1.01(0.85-1.19) | 0.898    |
| Diarrhoea                   | 1.1(0.93-1.28)              | 0.248    | 0.96(0.81-1.14) | 0.669    |
| Abdominal                   | 1.36(1.16-1.58)             | <0.001   | 1.23(1.04-1.45) | 0.014    |
| Malaise                     | 1.15(0.97-1.36)             | 0.106    | 1.03(0.86-1.23) | 0.719    |
| Tinnitus                    | 1.25(1.01-1.52)             | 0.035    | 1.12(0.9-1.37)  | 0.292    |
| Palpitations                | 1.32(1.08-1.59)             | 0.006    | 1.19(0.97-1.45) | 0.094    |
| Flushing                    | 1.25(1.04-1.51)             | 0.018    | 1.14(0.93-1.38) | 0.207    |
| Blood pressure increased    | 0.97(0.71-1.29)             | 0.841    | 0.91(0.66-1.22) | 0.548    |
| Feeling abnormal            | 1.17(0.99-1.38)             | 0.066    | 1.05(0.88-1.24) | 0.6      |
| Feeling hot                 | 1.09(0.87-1.34)             | 0.441    | 0.96(0.77-1.2)  | 0.752    |
| Tremor                      | 1.3(1.08-1.56)              | 0.005    | 1.22(1-1.47)    | 0.041    |
| Lymphadenopathy             | 1.18(1-1.39)                | 0.049    | 1.12(0.94-1.32) | 0.207    |
| Syncope                     | 1.14(0.99-1.31)             | 0.069    | 1.04(0.89-1.2)  | 0.626    |
| Throat irritation           | 1.13(0.97-1.3)              | 0.115    | 1.03(0.88-1.19) | 0.744    |
| Unresponsive stimuli        | 1.12(0.78-1.56)             | 0.513    | 1(0.69-1.4)     | 0.981    |
| Burning sensation           | 1.3(1-1.66)                 | 0.041    | 1.21(0.92-1.56) | 0.151    |
| Muscle tightness            | 1.12(0.64-1.8)              | 0.67     | 1.04(0.59-1.69) | 0.893    |
| Skin issues                 | 1.03(0.87-1.21)             | 0.701    | 0.96(0.81-1.13) | 0.632    |
| Dyskinesia                  | 0.66(0.26-1.37)             | 0.317    | 0.54(0.21-1.15) | 0.152    |
| Heart rate increased        | 0.99(0.79-1.22)             | 0.93     | 0.89(0.71-1.11) | 0.319    |
| Heart rate decreased        | 0.99(0.79-1.22)             | 0.93     | NA              | NA       |
| Heart rate irregular        | 1.48(0.87-2.36)             | 0.121    | 1.3(0.75-2.1)   | 0.32     |
| Paralysis                   | 1.16(0.78-1.65)             | 0.45     | 1.08(0.72-1.56) | 0.693    |
| Tachycardia                 | 1.38(1.05-1.79)             | 0.017    | 1.27(0.96-1.66) | 0.088    |
| Anaphylactic reaction       | 0.81(0.44-1.36)             | 0.457    | 0.78(0.42-1.32) | 0.385    |
| Cardiac event               | 1.11(0.61-1.84)             | 0.706    | 1.07(0.58-1.8)  | 0.815    |
| Chest pain                  | 1.25(1.09-1.43)             | 0.001    | 1.15(1-1.33)    | 0.054    |
| Pain                        | 1.1(1.03-1.17)              | 0.003    | 1(0.93-1.08)    | 0.948    |
| Mobility decreased          | 1.1(0.86-1.37)              | 0.439    | 1(0.78-1.26)    | 0.977    |
| Stroke                      | 1.33(0.87-1.94)             | 0.169    | 1.19(0.77-1.77) | 0.405    |
| Influenza                   | 1.33(1.09-1.62)             | 0.005    | 1.18(0.96-1.45) | 0.104    |
| SARS.CO.V.2                 | 1.19(0.93-1.49)             | 0.15     | 1.12(0.87-1.4)  | 0.36     |
| Appetite decreased          | 1.17(0.94-1.44)             | 0.154    | 1.06(0.84-1.31) | 0.605    |
| Induration                  | 0.95(0.74-1.2)              | 0.664    | 0.93(0.71-1.19) | 0.569    |
| Sleep disorder              | 1.16(0.9-1.47)              | 0.221    | 1.02(0.78-1.3)  | 0.896    |
| Condition aggravated        | 1.22(0.96-1.52)             | 0.099    | 1.08(0.84-1.36) | 0.537    |
| Joint issues                | 1.14(1.02-1.27)             | 0.024    | 1.05(0.93-1.18) | 0.445    |
| <b>Vaccine Manufacturer</b> |                             |          |                 |          |
| JANSSEN                     | 1[Reference]                | NA       | 1[Reference]    | NA       |
| MODERNA                     | 0.66(0.59-0.74)             | <0.001   | 0.66(0.58-0.74) | <0.001   |
| PFIZER                      | 0.69(0.61-0.77)             | <0.001   | 0.67(0.6-0.76)  | <0.001   |