**Supplemental Table 1: Item-by-Item Knowledge Scores**

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| **Item Topic** | **Percent Correct** | **McNemar's Matched Pair Chi Square** |
| **Pre-Test** | **Post-Test** |
| **ED provider** |  |  |  |
| ED specific MCE protocols | 0.77 | 0.75 | p=0.782 |
| Triage | 0.43 | 0.66 | p=0.008 |
| Triage | 0.61 | 0.59 | p=0.781 |
| Triage | 0.84 | 0.98 | p=0.034 |
| Triage | 0.86 | 0.98 | p=0.059 |
| Triage  | 0.23 | 0.07 | p=0.035 |
| Triage | 0.64 | 0.89 | p=0.005 |
| Triage | 0.36 | 0.52 | p=0.052 |
| ED specific MCE protocols | 0.14 | 0.14 | p=1.000 |
| Function of Disaster Team Leader | 0.52 | 0.68 | p=0.035 |
| Communication MCE principles | 0.39 | 0.89 | P<0.001 |
| Communication MCE principles | 0.45 | 0.25 | p=0.039 |
| Role of Non-Disaster MD team leader | 0.61 | 0.59 | p=0.739 |
| Communication MCE principles | 0.50 | 0.84 | p<0.001 |
| **ED nursing** |  |  |  |
| ED specific MCE protocols | 0.59 | 0.72 | p=0.257 |
| Triage | 0.50 | 0.41 | p=0.414 |
| Triage | 0.64 | 0.50 | p=0.257 |
| Triage | 0.91 | 0.95 | p=0.564 |
| Triage | 0.95 | 0.82 | p=0.180 |
| Triage  | 0.41 | 0.27 | p=0.180 |
| Triage | 0.55 | 0.91 | p=0.005  |
| Triage | 0.36 | 0.59 | p=0.059  |
| ED specific MCE protocols | 1.00 | 1.00 | n/a  |
| Function of Disaster Team Leader | 0.50 | 0.64 | p=0.257 |
| Communication MCE principles | 0.82 | 0.91 | P=0.317 |
| Communication MCE principles | 0.68 | 0.55 | p=0.257  |
| Role of Non-Disaster MD team leader | 0.68 | 0.82 | p=0.083  |
| Communication MCE principles | 0.55 | 0.77 | p=0.132 |