Table S1. Factor correlation analysis

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| No | Items | Mean | SD | Factor Loading |
| X8 | Emergency response plan preparation | 4.53 | 0.680 | 0.900 |
| X9 | Infectious disease training | 4.57 | 0.665 | 0.910 |
| X10 | Collaborative drills | 4.54 | 0.666 | 0.923 |
| X11 | Resource reserves & assessments | 4.54 | 0.685 | 0.922 |
| X12 | Ideological mobilization | 4.55 | 0.666 | 0.933 |
| X13 | Epidemic monitoring & warnings | 4.52 | 0.710 | 0.882 |
| X14 | Pathogen toxicity & mortality | 3.70 | 1.082 | 0.680 |
| X15 | High contagion rate | 4.25 | 0.870 | 0.763 |
| X16 | Pathogen variability | 4.05 | 0.949 | 0.815 |
| X17 | Low socioeconomic development | 2.76 | 1.216 | 0.619 |
| X18 | Overloaded healthcare system | 3.05 | 1.191 | 0.642 |
| X19 | Negative public opinion | 2.67 | 1.141 | 0.794 |
| X20 | Poor team culture | 2.31 | 1.104 | 0.791 |
| X21 | Low patient compliance | 2.68 | 1.077 | 0.686 |
| X22 | Task urgency | 3.79 | 1.022 | 0.762 |
| X23 | High technical requirements | 3.84 | 1.024 | 0.738 |
| X24 | Specialized emergency structure | 4.43 | 0.679 | 0.873 |
| X25 | Collaborative rescue mechanisms | 4.43 | 0.685 | 0.895 |
| X26 | Consistent work methods | 4.39 | 0.724 | 0.879 |
| X27 | Team collaboration ability | 4.39 | 0.729 | 0.903 |
| X28 | Smooth information exchange | 4.39 | 0.729 | 0.871 |
| X29 | Timely medical plans | 4.44 | 0.659 | 0.825 |
| X30 | Medical staff competency | 4.44 | 0.667 | 0.815 |
| X31 | Reasonable personnel composition | 4.28 | 0.797 | 0.685 |
| X32 | Adequate staffing | 3.61 | 1.166 | 0.559 |
| X33 | Sufficient treatment equipment | 4.16 | 0.833 | 0.649 |
| X34 | High bed utilization | 4.21 | 0.842 | 0.473 |
| X35 | Efficient triage system | 4.19 | 0.806 | 0.705 |
| X36 | Smooth patient transport | 4.20 | 0.804 | 0.746 |
| X37 | Infection control staffing | 4.21 | 0.826 | 0.741 |
| X38 | Pre-employment training | 4.41 | 0.664 | 0.821 |
| X39 | PPE adequacy & distribution | 4.36 | 0.709 | 0.851 |
| X40 | Hospital infection control | 4.38 | 0.686 | 0.855 |
| X41 | Prevention system checks | 4.41 | 0.664 | 0.864 |
| X42 | Spacious response site | 4.31 | 0.731 | 0.844 |
| X43 | Sufficient medical supplies | 4.33 | 0.716 | 0.810 |
| X44 | Testing team & equipment | 4.33 | 0.720 | 0.866 |
| X45 | Logistical support adequacy | 4.29 | 0.787 | 0.823 |
| X46 | Clear funding sources | 4.27 | 0.793 | 0.820 |
| X47 | Smooth communication | 4.38 | 0.683 | 0.799 |
| y1 | Overall collaborative evaluation | 4.39 | 0.668 | 0.799 |
| y2 | High patient volume treated | 4.36 | 0.694 | 0.731 |
| y3 | Low economic/time costs | 3.89 | 1.091 | 0.438 |
| y4 | Fast bed turnover | 4.21 | 0.803 | 0.773 |
| y5 | High cure rate | 4.30 | 0.707 | 0.753 |
| y6 | Stable inter-unit trust | 4.34 | 0.706 | 0.869 |
| y7 | Improved collaboration skills | 4.35 | 0.692 | 0.860 |