

Project Title: An Evaluation of Potential Development for the Epidemic Information Exchange Platform

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Abstract:

Centers for Disease Control, R.O.C. (Taiwan) has built and promotes Epidemic Information Exchange Platform for improving Public health surveillance systems. Because many surveillance systems apply different code exchange Platforms, these data code should be able to combine in an integrated data exchanged platform. Therefore, according to the existed code form of the Epidemic Information Data Exchange Platform, Health Level Seven, and Taiwan Electronic Medical record Template, this paper shows that a completed data exchanged codes for building on the medical data exchange validation system.

In addition, this paper also did evaluation for Epidemic Information Data Exchange Platform for understanding the hospitals' degrees of satisfaction, problems, and suggestions. In conclusion, this paper found that the data from hospitals reports increasing 3 times for using the Epidemic Information Exchange Platform. Moreover, over 66% hospitals feel satisfied on the Epidemic Information Exchange Platform. Finally, over half of the hospitals agree to apply Epidemic Information Data Exchange Platform for correcting data and completing content, decreasing the error rates of the traditional Epidemic reporting, and decreasing the possibility of delay for noticing Epidemic information. Thus, this paper suggests that Centers for Disease Control, R.O.C. (Taiwan) may improve constantly the Epidemic Information Data Exchange Platform to increase Taiwan's environment of epidemic prevention.

Keyword: Public health surveillance systems, Data Exchange Code, Health Level Seven, Information Exchange Platform, Performance Evaluation