

## Factors in the utilization of an early intervention for children with developmental delays information system – an example from Taoyuan County

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**Objectives:** The aim of this study was to explore factors in the utilization of an early intervention for children with developmental delays information system, a web-based system accessed from the Internet, in Taoyuan County. **Methods:** A structured questionnaire was designed and used to survey the users of ECMS (Early Childhood Helthcare Managment Information System) and hierarchical multiple regression analysis was then conducted. A total of 970 questionnaires were sent out and 307 valid questionnaires (32%) were returned. The units that responded most were kindergartens with 126 questionnaires (41.0%), followed by nurseries, 80 (26.1%), medical units, 65 (21.2%), and public health units, 36 (11.7%). **Results:** Factors in the utilization of the early intervention for children with developmental delays information system were: information use (M=3.94; SD=0.61), user satisfaction (M=4.14; SD=0.62), individual decision-making quality (M=4.16; SD=0.58), and organizational productivity (M=4.15; SD=0.58). **Conclusions:** When users agree more with the “degree of simplification of administrative processes within the organization”, “degree of integration among different professional institutions”, “knowledge about sanitary laws and norms”, and “knowledge about reward system implementation”, they used the system more effectively. (*Taiwan J Public Health*. 2014;**33**(1):101-117)

**Key Words:** *preschool children, early intervention for children with developmental delays , information systems, ECMS*

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