

Chinese centralized intravenous admixture service (CIVAS): An emerging pharmaceutical industry-survey of the recent advances of CIVAS in China

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Purpose: The results of the survey involving 97 centralized intravenous admixture service (CIVAS) centers in China are described to give a review of the recent advances of Chinese CIVAS.

Methods: 103 CIVAS centers in first- or second-class Chinese hospital settings were surveyed by e-mail questionnaire.

Results: In this survey, the response rate was 94% (97 centers responded). For the scale and output issues, large CIVAS centers with daily output of more than 10 thousand bags accounted for 10% while the per workbench and per

square meter output varied dramatically among different centers. For personnel structure, 80% CIVAS centers chose the combination model of pharmacy and nursing. For CIVAS operation model, more than 80% centers adopted the drug centralized compounding model.

Conclusion: CIVAS centers are playing important roles in Chinese hospital pharmacy and have developed into an emerging pharmaceutical industry while the development of Chinese CIVAS centers presents highly diversity. For personnel structure, the pharmacy-nursing combination model is recommended while the operation model should be selected according to specific hospitals. Besides, universal guidelines for CIVAS operation and personnel training are urgently needed.

Biography

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