

Constructing a National Research Network for Pediatrics and Child Health in China

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The under-five mortality is one of the most important indexes to evaluate the health level of one country. China is a developing country with high under-five mortality. But the report on Women and Children's Health Development of China in 2011 showed that mortality of children under five years old in 2010 reduced 58.7% compared with that of 2000 with the development of economy and environment. Constructing a national research network for pediatrics and child health could reduce the mortality of children.

Recent years our society has established several research network aims to protect, prevent and treat pediatric patients in China to further reduce the mortality rate. On the basis of Chinese Society of Pediatrics, Chinese Medical association, we have established the research network for pediatric asthma in China and investigate the prevalence and risk factors throughout 42 research centers, conduct basic research, develop guidelines for diagnosis and treatment of childhood asthma, and establish a Cohort study for child-adult asthma now after developed China National Clinical Research Center for Respiratory Diseases. We have also conducted many other multi-center reaches for pediatrics, including investigate the pathogens of pneumonia in children to understand the characteristics of pathogen distribution in different areas and bacterial resistance, thus to direct the appropriate use of the antibiotics and reduce drug resistance. In 2008, human enterovirus 71 responsible for the outbreak of hand foot and mouth disease in Fuyang city of China was found and approximately 490,000 infections and 126 deaths in infants and young children were reported. Chinese Center for Disease Control and Prevention reported the outbreak timely and disseminating prevention knowledge for the public and conducting basic research for preventing and treating severe cases. In 2015, the EV71 vaccine provided protection against EV71-associated hand, foot, and mouth disease or herpangina in infants and young children successfully. Universal vaccination of EV71 has decreased the mortality of children with severe EV71 infection.

When joined the campaign of WHO to reduce the death of children less than five years of age, our programs of save life of children never give up. In the future, we will continue depending on Chinese Society of Pediatrics, Chinese Medical association, China National Clinical Research Center for Respiratory Diseases and Chinese Center

for Disease Control and Prevention to construct a national research network for pediatrics and child health in China. By this, we estimate the mortality of children in China would be further reduced in the future.