

## The common computer-based influenza vaccination/epidemics surveillance system: Challenges and opportunities for primary health care in EU countries

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Measures planned to control influenza epidemics/pandemics represent the global health challenges. To date, influenza vaccination, based on the annual revision of vaccine composition and global monitoring of circulating influenza virus strains, has been the commonly accepted approach. The evidence has been increasing on the need to establish an efficient and global surveillance system to collect data on vaccination campaigns and epidemics spread. This will enable data analysis and the feed-back on the outcomes. Such requirement arises from the several new concepts. They include biotechnology advances and new vaccines development, as well as the increased awareness on the variable efficacy of influenza vaccination in people of different demographic and health context. It is still not the vaccination of persons at high risk of influenza related complications that matters, it is the finding the best strategies of how to provide them protection. In addition, in the situation of the fastly growing health care expenditures and the huge progress in information technology and computer-based techniques, the need is increasing for more cost-efficient approaches in controlling influenza epidemics. Challenges, in order to justify vaccination, could be in modelling of both, influenza vaccination outcomes and epidemics evolution. Primary health care, as the main site where influenza vaccine doses have been dispersed, might be the central point for data collection and preparation for modelling. Challenges and opportunities in this regard, will be presented.

### Biography

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