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Reliability of self-reported history in predicting immunity against measles, rubella, mumps, and varicella among health care workers

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Abstract: To determine the immunity of health care workers (HCWs) against measles, rubella, mumps, and varicella infections, and to evaluate the reliability of self-reported history of the disease in predicting immunity. Materials and methods: A self-reported questionnaire was used to obtain the history of the diseases and ELISA to screen specific IgG antibodies. The history of the diseases was compared with serological testing results. Results: Eighty-one HCWs were included in the study. Immunity against measles was 97.5%, rubella 100%, mumps 72.8%, and varicella 96.3%. Positive predictive values of positive histories of the diseases were 100% for measles and rubella, 96.5% for