

**Title of Intervention:** Mass Hepatitis B immunization of adolescents

**Intervention Strategies:** Individual Education, Group Education

**Purpose of the Intervention:** To increase hepatitis B immunizations among adolescents

**Population:** Students in seventh grade and their parents

**Setting:** Schools in Naples, Italy and surrounding suburbs; school-based

**Partners:** None mentioned

**Intervention Description:**

- Individual Education: A personal invitation indicating the date and time of immunizations was given to each eligible individual along with an informed consent to be signed by the parent.
- Group Education: Meetings were carried out with schoolteachers and parents. The Hepatitis B infection and its prevention were discussed.

**Theory:** Not mentioned

**Resources Required:**

- Staff/Volunteers: Health care providers
- Training: Interviewers had to be trained
- Technology: Computers and printers
- Space: Immunization space at the schools and health department
- Budget: Not mentioned
- Intervention: Vaccines, informational material for teachers and parents, consents, invitations
- Evaluation: Surveys, access to laboratory, staff to collect blood samples, interviewers and statistics software

**Evaluation:**

- Design: Cohort
- Methods and Measures:
  - Blood samples were collected to conduct sero-conversion study
  - Students were interviewed about age, sex, parental education, size of household, presence of carriers in the household and dates of immunizations

**Outcomes:**

- Short term Impact: Not measured
- Long Term Impact: There was a significant increase in immunization rates.

**Maintenance:** Not mentioned

**Lessons Learned:** The following factors may have been important determinants of a high response rate: simple organizational set-up, active and personalized offer of vaccines, administration of at least first dose at school, high degree of motivation by health workers and perception of hepatitis as a serious and threatening disease.

**Citation(s):**

Plaitano, S., et al., Hepatitis B mass immunization of adolescents: a pilot study in a community. Eur J Epidemiol, 1993. 9(3): p. 307-10.