**Key Question 1. School-community based.**

**Evidence Table 18. Study characteristics for studies taking place in a school setting with community components**

| **Author, year****Location** | **Years of recruitment** | **Study design** | **Inclusion criteria** | **Goal of study is obesity prevention/ weight maintenance** | **Comments** |
| --- | --- | --- | --- | --- | --- |
| Macaulay, 19971Canada | 1994-1995 | Non-randomized intervention | NR | Yes | Children in grades 1-6 participated in the study. |
| Muckelbauer, 20092Germany | NR | Randomized intervention | Grade: 2nd and 3rdThe study population comprised children attending the second and third grades of elementary schools in socially deprived neighborhoods of two cities in Germany, Dortmund and Essen. Participating schools must meet technical requirements for fountain installation. | Yes |  |
| Muckelbauer, 20103Germany | NR | Randomized intervention | Grade: 2nd and 3rdParticipating schools must meet technical requirements for the installation of a water fountain in the school building. | Yes |  |
| Webber, 20084US | NR | Randomized intervention | Girls onlyGrade: Public middle schools (grades 6–8) eligible if certain conditions met\*Language: English:School inclusion criteria:Public middle schools (grades 6–8) eligible if the majority of children enrolled lived in the community served by the schoolSchool not unwilling or unable to respond to and report medical emergencies that may occur on school grounds or during student participation in school sponsored activitiesNo plans of the school to close or merge with another school within 3 yearsSchool with at least 90 girls in the 8th grade.School with expected transience rate <28% in any given year or <35% over 2 years.School offers physical education each semester for all grades.School with at least 2 (year-round schools) or 3 (semester-based schools) physical education classes per week.School not participating in pilot testing of study materials.Student exclusion criteria:Able to read and understand questions written in English.No instruction (if any) by the doctor to avoid exercise for health reasons.Absence of medical conditions including:– muscle, bone, or joint problems– heart problem that requires a limitation in physical activity– fainting with exercise in the past 6 months– uncontrolled asthma– very high blood pressure not controlled on medication– diabetes with frequent very low or very high blood glucose levels– thyroid problems not controlled with medication– seizures not controlled with medication– sickle cell disease– cystic fibrosis– anorexia nervosa– severe kidney problems– severe liver problems– blood condition that increases the risk of bleeding• Parent unwilling or unable to give informed consent• Girl unwilling to assent to measurement | No/Not reported | TAAG schools represented the demographic and socioeconomic makeup of their school districts, with preference given to schools with greater racial/ethnic and socioeconomic diversity.Boxes 18, 19 and 21 filled using information from Stevens et al 2005The primary sampling approach for the study was as follows:"Two cross-sectional samples, one drawn from 6th graders prior to the beginning of the intervention and the second drawn from 8th graders following the 2-year implementation of the intervention." [Stevens et al 2005]. |
| Utter,20115New Zealand | 2005-2006 | Quasi-experiment | 9-13 years old  | Yes |  |

NR = Not Reported; TAAG = Trial of Activity for Adolescent Girls