Evidence Table H15. Co-outcomes measures

| **Author, year** | **Setting** | **Co-Outcome** | **Co-Outcome Description** |
| --- | --- | --- | --- |
| **Natural Experiment Studies** |  |  |  |
| Bolton, 2017[30](#_ENREF_30) | School | Food environment | School-related food services, the existence of nutrition/physical activity policies and the environment |
| Bolton, 2017[30](#_ENREF_30) | School | PA environment | the existence of nutrition/physical activity policies and the environment |
| Brown, 2008[35](#_ENREF_35) | Community or neighborhood  | Commuting behavior | Transport behaviour |
| Calise, 2013[47](#_ENREF_47) | Community or neighborhood  | PA environment | Neighborhood characteristics to facilitate walking |
| Cohen, 2012[58](#_ENREF_58) |  | Other | METs generated per cost of equipment |
| Cullen, 2006[67](#_ENREF_67) | School | Purchasing behavior | more vending machines installed in schools |
| Cummins, 2008[68](#_ENREF_68) | Community or neighborhood  | Other | Retail shop count survey |
| Dubowitz, 2015[82](#_ENREF_82) | Community or neighborhood  | Purchasing behavior | questionnaire |
| Elbel, 2017[87](#_ENREF_87) | Community or neighborhood  | Purchasing behavior | how often they usually bought fresh fruits and vegetables; and where they usually shopped for food |
| Fitzpatrick, 2017[99](#_ENREF_99) | School | Food environment | record specific features of the school food environment |
| Fitzpatrick, 2017[99](#_ENREF_99) | Community or neighborhood  | Food environment | To identify and map convenience stores and fast-food restaurants within a 750 m road network buffer for each schoo |
| Goodman, 2016[122](#_ENREF_122) | Community or neighborhood  | Other | PA behavior - Bikeability |
| Hoelscher, 2016[140](#_ENREF_140) | School | Commuting behavior | 2 day self reported walking or biking to or from school |
| Just, 2014[157](#_ENREF_157) | School | Purchasing behavior | items purchased at school cafeteria |
| LaRowe, 2016[170](#_ENREF_170) | Early childhood education or daycare  | PA environment | Day long observation using the Physical Activity Environment and Policy Assessment Observation (PA-EPAO) scores |
| Morton, 2016[198](#_ENREF_198) | School | PA environment | Changes in school environment for PA from primary to secondary school |

| **Author, year** | **Setting** | **Co-Outcome** | **Co-Outcome Description** |
| --- | --- | --- | --- |
| Nanney, 2016[203](#_ENREF_203) | School | Food environment | Greater school-reported soda availability was associated with an increase in intake of 0.3 daily servings of soda among ninth grade students relative to no soda availability. This association was more pronounced among ninth grade boys than among ninth grade girls, but the difference in the effect between girls and boys was not statistically significant (p=0.23). |
| Olsho, 2015[212](#_ENREF_212) | Community or neighborhood  | Purchasing behavior | Purchase of fruit and vegetables at farmers market |
| Robles, 2017[234](#_ENREF_234) | Community or neighborhood  | Commuting behavior | Transportation behaviors were measured by asking survey questions (un-validated questionnaire) |
| Rushakoff, 2017[237](#_ENREF_237) | Community or neighborhood  | Purchasing behavior | Residents were surveyed about their purchasing and eating patterns over a one-month period |
| Schwartz, 2016[243](#_ENREF_243) | School | Purchasing behavior | Milk purchases |
| Sturm, 2015[255](#_ENREF_255) | Community or neighborhood | PA environment | Using LA Department of Public Health data |
| Taber, 2012[260](#_ENREF_260) | School | Purchasing behavior | Questionnaire |
| Vadiveloo, 2011[270](#_ENREF_270) | Fast food chains | Purchasing behavior | Frequency of fast food dinner purchases |
| Wells, 2005[280](#_ENREF_280) | School | Purchasing behavior | Parents of 4-6 year old who recieved free school fruit were asked if they had changed the amout of fruit they gave their children at home |
| Woodward-Lopez, 2010[289](#_ENREF_289) | School | Purchasing behavior | Food and Beverage Sales |
| Wrigley, 2003[292](#_ENREF_292) | Community or neighborhood  | Purchasing behavior | Switch to the new store in the neighborhood as their main food purchasing source |
| **Experimental Studies** |  |  |  |
| Audrey, 2015[10](#_ENREF_10) | Employer or worksite | Commuting behavior | Average daily commute mode of transport and time |
| Busch, 2015[44](#_ENREF_44) | School | Food environment | NR |
| Coleman, 2012[60](#_ENREF_60) | School | Food environment | Observed changes in food/beverages on campus |
| French, 2010[104](#_ENREF_104) | Employer or worksite | PA environment | Questionnaire |
| Gittelsohn, 2010[117](#_ENREF_117) | Community or neighborhood  | Purchasing behavior | purchasing of healthy and unhealthy food score |
| Gittelsohn, 2013[116](#_ENREF_116) | Community or neighborhood  | Purchasing behavior | Shelf label–driven healthy food purchasing assessed change in frequency of purchasing a food due to an NHS label ( Labelling was part of intervention) |
| Haerens, 2007[126](#_ENREF_126) | School | Other  | In girls only, fat intake and percentage of energy from fat decreased significantly more in the intervention group with parental support |
| Lent, 2014[173](#_ENREF_173) | School | Purchasing behavior | total energy purchases, purchase of fat, sodium, carbohydrate, sugar, protein and fiber |

| **Author, year** | **Setting** | **Co-Outcome** | **Co-Outcome Description** |
| --- | --- | --- | --- |
| Mead, 2013[193](#_ENREF_193) | Community or neighborhood  | Purchasing behavior | Healthy food acquisition |
| Sharma, 2016[245](#_ENREF_245) | Food assistance program , School | Purchasing behavior | Frequency of cooking from scratch at home, eating out, using nutrition facts labels, serving F&V at mealtimes and snacks, serving sugary cereals and sugary drinks at meals, limiting portion sizes, screen time, fried foods, fast food and/or sugary beverages, as well as eating family dinners, and requiring that children finish the food on their plate were assessed |
| Waters, 2017[276](#_ENREF_276) | School | PA environment | Physical activity facilities/policies |
| Waters, 2017[276](#_ENREF_276) | School | Food environment | Canteen facilities/policies |
| **Other Study Designs** |  |  |  |
| Cheadle, 2012[52](#_ENREF_52) | After school or summer school, Community or neighborhood , Employer or worksite, School  | PA environment | NR |

F&V=fruits and vegetables; LA=Los Angeles; METs=metabolic equivalent of task; No.=Number; PA=physical activity