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Interventions to improve hand hygiene in community settings: A systematic review of theories, barriers and enablers, behavior change techniques, and hand hygiene station design features

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Supplemental Table 12. Intervention functions, behavior change techniques and intervention activities leveraged, by study

Study ID	Intervention function	Behavior Change Technique	Intervention activity
Abbot 2012	Training	Information on how to perform the behavior	Multimedia - Videos
	Education; Enablement	Action planning; Information on others; approval; Goal setting (behavior)	Group discussions
Aboud 2011	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
Advaita 2021	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
Aibana 2013	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
Aiello 2012	Environmental Restructuring	Adding objects to the environment	Alcohol rub provision
Akina 2020	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	School-based Training
	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
	Environmental Restructuring	Adding objects to the environment	Soap provision
Akuokoasibey 1994	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
Alam 1989	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based

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Alexander 2012	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Multiple
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
Ali 2020	Environmental Restructuring	Adding objects to the environment	Soap provision
Alkon 2009	Education; Training; Enablement	Demonstration of behavior; Information on health consequences; Social support (practical)	CHW visits
Almazan 2014	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
Amon-Tanoh 2021	Training	Information on how to perform the behavior	Multimedia - Videos
	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
	Environmental Restructuring	Prompts/cues; Adding objects to the environment	Soap provision
	Training	Information on how to perform the behavior	Multimedia - Videos
	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
Andrade 2019	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
Ankan 2018	Training	Information on how to perform the behavior	Multimedia - Videos
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
Anu 2018	Environmental Restructuring	Adding objects to the environment	Soap provision
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Multimedia - radio
Appiah-Brempong 2020	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	School-based Training
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education

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Ar 2008	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	School-based Training
Ara 2022	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
	Environmental Restructuring	Adding objects to the environment	Soap provision
	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
Aragie 2021	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
	Education; Training; Enablement	Demonstration of behavior; Information on health consequences; Social support (practical)	CHW visits
	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
	Environmental Restructuring	Adding objects to the environment	Soap provision
Arbianingsih 2018	Education; Training; Incentivization	Information about health consequences; Demonstration of behavior; Material incentive	Games or competitions
Arnold 2009	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
Ashtarian 2020	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	School-based Training
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
Ashutosh 2015	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
Au 2010	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Plays, skits or songs
Ãzyazıcıoğlu 2011	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education

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Bai 2022	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
Bajracharya 2003	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Multiple
	Education; Training; Enablement	Demonstration of behavior; Information on health consequences; Social support (practical)	CHW visits
	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
Bickford 2017	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	School-based Training
	Training	Information on how to perform the behavior	Multimedia - Videos
Bieri 2013	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Multimedia - Unspecified
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
Biran 2009	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Art/flipcharts
	Incentivization	Incentive (outcome)	Other incentives provided
Biran 2014	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Plays, skits or songs
	Education; Enablement	Commitment; Action planning; Information on others' approval	Public pledging ceremonies
	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
Biran 2020	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
	Training	Information on how to perform the behavior	Multimedia - Videos
	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
Biswas 2019	Training	Information on how to perform the behavior	Multimedia - Videos

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	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	School-based Training
	Environmental Restructuring	Adding objects to the environment	Alcohol rub provision
Blanton 2010	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	School-based Training
	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Art/flipcharts
Bosomprah 2016	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
Bowen 2013	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
	Environmental Restructuring	Adding objects to the environment	Soap provision
Briceño 2017	Education; Training; Enablement	Demonstration of behavior; Information on health consequences; Social support (practical)	CHW visits
	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Multiple
Briere 2012	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Art/flipcharts
	Environmental Restructuring	Adding objects to the environment	Soap provision
	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based

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Bulled 2017	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
Burke 2016	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Art/flipcharts
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
Burns 2018	Environmental Restructuring	Adding objects to the environment	Soap provision
Cairncross 2005	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
Capps 2022	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
Carabin 1999	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	School-based Training
CardinaleLagomarsino 2017	Environmental Restructuring; Training	Instruction on how to perform the behavior; Prompts/cues	Other
Chard 2018	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
Contzen 2013	Education; Enablement	Commitment; Action planning; Information on others' approval	Public pledging ceremonies
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
Costa 2019	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education

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Cowling 2009	Environmental Restructuring	Adding objects to the environment	Alcohol rub provision
	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
Croghan 2008	Environmental Restructuring	Adding objects to the environment	Soap provision
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
Curtis 2001	Environmental Restructuring	Prompts/cues; Adding objects to the environment	Soap provision
	Education; Training	Adding objects to the environment	Soap provision
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Multimedia - radio
Davis 2011	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
Davis 2013	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
	Environmental Restructuring	Adding objects to the environment	Alcohol rub provision
Ditai 2019	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
Dreibelbis 2016	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
Duijster 2020	Environmental Restructuring	Adding objects to the environment	Soap provision

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	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Multimedia - Unspecified
	Environmental Restructuring	Adding objects to the environment	HW station
Early 1998	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
	Environmental Restructuring	Adding objects to the environment	Alcohol rub provision
Ebuehi 2010	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
	Enablement	Social support (unspecified); Restructuring the social environment	Policy or institutional strengthening
Edward 2019	Education; Training; Enablement	Demonstration of behavior; Information on health consequences; Social support (practical)	CHW visits
ErcanOruc 2020	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
Ercumen 2018	Environmental Restructuring	Adding objects to the environment	Soap provision
	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
Eun-Joo 2012	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
EvansJr 2009	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
	Environmental Restructuring	Adding objects to the environment	Alcohol rub provision
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
Farhana 2022	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Art/flipcharts

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	Enablement	Social support (unspecified); Restructuring the social environment	Policy or institutional strengthening
	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	School-based Training
Ford 2014	Environmental Restructuring; Training	Instruction on how to perform the behavior; Prompts/cues	Other
	Environmental Restructuring	Adding objects to the environment	Soap provision
Freeman 2020	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
Freeman 2022	Enablement	Social support (unspecified); Restructuring the social environment	Policy or institutional strengthening
Friedrich 2018	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
	Environmental Restructuring	Prompts/cues; Restructuring the physical environment; Adding objects to the environment	HW station
	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
	Education; Enablement	Action planning; Information on others; approval; Goal setting (behavior)	Group discussions
	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
Galiani 2016	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Multimedia - Unspecified
Gautam 2017	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Plays, skits or songs
Gedamu 2022	Environmental Restructuring; Training	Instruction on how to perform the behavior; Prompts/cues	Other
Geller 1980	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	Food Hygiene Training

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	Enablement	Social support (unspecified); Restructuring the social environment	Policy or institutional strengthening
George 2017	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - pamphlets
	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
George 2017	Environmental Restructuring	Adding objects to the environment	Soap provision
Gimaiyo 2019	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
Goel 2019	Education; Enablement	Action planning; Information on others; approval; Goal setting (behavior)	Group discussions
	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
	Environmental Restructuring	Adding objects to the environment	Soap provision
Goel 2020	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	School-based Training
Grace 2012	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
	Environmental Restructuring	Prompts/cues; Adding objects to the environment	Soap provision
Greene 2012	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	School-based Training
Greenland 2016	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Multimedia - radio
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
Grover 2018	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education

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	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
	Environmental Restructuring; Training	Instruction on how to perform the behavior; Prompts/cues	Other
Guo 2018	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
Hanson 2020	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Training - Adults/Community-based
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Multimedia - radio
Her 2019	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
	Environmental Restructuring; Training	Instruction on how to perform the behavior; Prompts/cues	Other
Hetherington 2017	Enablement	Social support (unspecified); Restructuring the social environment	Policy or institutional strengthening
	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	School-based Training
Huang 2021	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
Hurley 2021	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Multimedia - Unspecified
Hussam 2022	Environmental Restructuring	Adding objects to the environment	Soap provision
Jafree 2023	Enablement	Self-monitoring of behavior; Goal setting (behavior)	Diaries and journals
	Training	Information on how to perform the behavior	Multimedia - Videos
Jagals 2004	Education; Enablement	Action planning; Information on others; approval; Goal setting (behavior)	Group discussions

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Jetha 2021	Education; Training; Incentivization	Information about health consequences; Demonstration of behavior; Material incentive	Games or competitions
	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Art/flipcharts
Jinadu 2007	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
Johnson 2003	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
Judah 2009	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
Kaewchana 2012	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
	Environmental Restructuring	Prompts/cues; Adding objects to the environment	Soap provision
Kajjura 2019	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
Kamm 2016	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
Kamm 2016	Environmental Restructuring	Prompts/cues; Adding objects to the environment	Soap provision

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Kang 2017	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
Kapadia-Kundu 2014	Education; Training Enablement	Instruction on how to perform the behavior; Information about health consequences Self-monitoring of behavior; Goal setting (behavior)	School-based Education Diaries and journals
Kariuki 2012	Education; Training; Enablement Training	Demonstration of behavior; Information on health consequences; Social support (practical) Information on how to perform the behavior	CHW visits Multimedia - Videos
Karon 2017	Environmental Restructuring Enablement	Prompts/cues; Restructuring the physical environment; Adding objects to the environment Social support (unspecified); Restructuring the social environment	HW station Policy or institutional strengthening
Kitsanapun 2019	Education; Training; Environmental Restructuring Enablement; Training Education; Training	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment Demonstration of behavior; Social support (practical) Instruction on how to perform the behavior; Information about health consequences	Multimedia - Posters Training - Adults/Community-based Education - Adults/Community-based
Koehn 2020	Education; Training; Enablement	Demonstration of behavior; Information on health consequences; Social support (practical)	CHW visits
Kumar 2018	Education; Training; Environmental Restructuring Education; Training	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment Instruction on how to perform the behavior; Information about health consequences	Multimedia - Posters School-based Education
Labović 2023	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	Food Hygiene Training
Lange 2022	Enablement Training	Self-monitoring of behavior; Goal setting (behavior) Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	Multimedia - SMS School-based Training
Langford 2011	Environmental Restructuring	Adding objects to the environment	Soap provision

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	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
Langford 2013	Education; Enablement	Action planning; Information on others; approval; Goal setting (behavior)	Group discussions
	Environmental Restructuring	Prompts/cues; Adding objects to the environment	Soap provision
	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
Lapinski 2013	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
Lawson 2019	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
Lee 2020	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Multiple
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
Leventhal 2016	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
Lhakhang 2015	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
	Environmental Restructuring	Prompts/cues; Adding objects to the environment	Soap provision
	Education; Enablement	Action planning; Information on others; approval; Goal setting (behavior)	Group discussions
Liu 2019	Environmental Restructuring	Adding objects to the environment	Soap provision

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	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Multiple
	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	School-based Training
Locks 2019	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Multiple
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
Lubna 2014	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
Luby 2001	Environmental Restructuring	Adding objects to the environment	Soap provision
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
Machado 2018	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	Food Hygiene Training
	Training	Information on how to perform the behavior	Multimedia - Videos
Mackert 2013	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
Mahfuza 2021	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Multimedia - radio
Makata 2021	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
	Environmental Restructuring	Prompts/cues; Restructuring the physical environment; Adding objects to the environment	HW station

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Malik 2022	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	School-based Training
Manaseki-Holland 2021	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Art/flipcharts
	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
Mane 2017	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	School-based Training
Mathew 2018	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	School-based Training
	Education; Enablement Environmental Restructuring; Training	Action planning; Information on others; approval; Goal setting (behavior)	Group discussions
Maughan 2016	Education; Enablement Environmental Restructuring; Training	Instruction on how to perform the behavior; Prompts/cues	Other
Mbakaya 2019	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
	Enablement	Social support (unspecified); Restructuring the social environment	Policy or institutional strengthening
	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	School-based Training
	Education; Training Environmental Restructuring	Instruction on how to perform the behavior; Information about health consequences	School-based Education
	Education; Training; Environmental Restructuring	Adding objects to the environment	Soap provision
	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
McGuire-Wolfe 2012	Environmental Restructuring	Adding objects to the environment	Alcohol rub provision
	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based

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Mendes 2020	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
	Environmental Restructuring	Adding objects to the environment	Alcohol rub provision
Mezaache 2021	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
	Environmental Restructuring	Adding objects to the environment	Alcohol rub provision
Mohamed 2019	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	School-based Training
Moll 2007	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
Morse 2020	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
	Training Environmental Restructuring	Information on how to perform the behavior Restructuring the physical environment; Adding objects to the environment	Multimedia - Videos HW station
Mott 2007	Environmental Restructuring; Training	Instruction on how to perform the behavior; Prompts/cues	Other
	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
	Environmental Restructuring	Adding objects to the environment	Alcohol rub provision
	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
	Environmental Restructuring	Adding objects to the environment	Soap provision
Nagapraveen 2016	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
	Environmental Restructuring	Adding objects to the environment	Soap provision

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	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - pamphlets
Nair 2017	Education; Training; Enablement	Demonstration of behavior; Information on health consequences; Social support (practical)	CHW visits
Naluonde 2019	Training Environmental Restructuring	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior Adding objects to the environment	School-based Training Soap provision
Nandrup-Bus 2009	Education; Training; Environmental Restructuring Incentivization	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment Incentive (outcome)	Multimedia - Posters Other incentives provided
	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	School-based Training
Newton-Lewis 2021	Education; Training; Enablement	Demonstration of behavior; Information on health consequences; Social support (practical)	CHW visits
NikRosmawati 2018	Education; Enablement Environmental Restructuring; Training	Social support (practical); Information about health consequences Instruction on how to perform the behavior; Prompts/cues	Food Hygiene Education Other
Nuhu 2019	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
Öncü 2021	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	School-based Training
Oruc 2021	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	Food Hygiene Training
Oswald 2014	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
Ozcan 2020	Education; Training Training	Instruction on how to perform the behavior; Information about health consequences Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	Plays, skits or songs School-based Training

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	Education; Training; Incentivization	Information about health consequences; Demonstration of behavior; Material incentive	Games or competitions
Patel 2012	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
	Environmental Restructuring	Adding objects to the environment	Soap provision
Phuanukoonnon 2013	Environmental Restructuring	Adding objects to the environment	Soap provision
Pickering 2013	Environmental Restructuring	Adding objects to the environment	Alcohol rub provision
	Environmental Restructuring	Adding objects to the environment	Soap provision
	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	School-based Training
	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Multiple
Pickering 2019	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
	Environmental Restructuring	Adding objects to the environment	Soap provision
Pinfold 1990	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
Pokharel 2017	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
Prado 2015	Education; Enablement	Social support (practical); Information about health consequences	Food Hygiene Education
Prasetyo 2022	Environmental Restructuring; Training	Instruction on how to perform the behavior; Prompts/cues	Other

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	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
Ram 2017	Environmental Restructuring; Training Enablement; Training	Instruction on how to perform the behavior; Prompts/cues Demonstration of behavior; Social support (practical)	Other Training - Adults/Community-based
	Environmental Restructuring	Prompts/cues; Restructuring the physical environment; Adding objects to the environment	HW station
	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
Ram 2020	Environmental Restructuring	Adding objects to the environment	Soap provision
Ray 2010	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
ReyesFernández 2015	Education; Enablement	Action planning; Information on others; approval; Goal setting (behavior)	Group discussions
	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
Riaz 2016	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
Rissman 2021	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
Roberts 2008	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	Food Hygiene Training
Roberts 2022	Training	Information on how to perform the behavior	Multimedia - Videos
Rosen 2006	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
Rosen 2006	Environmental Restructuring	Adding objects to the environment	Soap provision
Routh 2018	Environmental Restructuring	Adding objects to the environment	Soap provision

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	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
Russo 2012	Environmental Restructuring	Adding objects to the environment	Soap provision
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Multimedia - radio
Rutter 2020	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
Saboori 2013	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	School-based Training
	Environmental Restructuring	Adding objects to the environment	Soap provision
Samreen 2021	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	School-based Training
Sanders 2021	Environmental Restructuring	Prompts/cues; Restructuring the physical environment; Adding objects to the environment	HW station
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Multiple
	Education; Training; Enablement	Demonstration of behavior; Information on health consequences; Social support (practical)	CHW visits
Sangalang 2021	Environmental Restructuring	Adding objects to the environment	Soap provision
	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	School-based Training
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station

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Sania 2017	Environmental Restructuring	Adding objects to the environment	Soap provision
	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
Schroeder 2016	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Art/flipcharts
Scott 2008	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Multimedia - radio
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
Shah 2021	Training	Information on how to perform the behavior	Multimedia - Videos
Shahar 2022	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
Sheth 2004	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
Simiyu 2022	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
Simmerman 2011	Environmental Restructuring	Adding objects to the environment	Soap provision
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
Sneed 2015	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
	Training	Information on how to perform the behavior	Multimedia - Videos
Snow 2008	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	School-based Training
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
Soares 2013	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	Food Hygiene Training
Sobel 2022	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based

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	Training	Information on how to perform the behavior	Multimedia - Videos
Solehati 2017	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	School-based Training
	Enablement	Social support (unspecified); Restructuring the social environment	Policy or institutional strengthening
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
Stebbins 2010	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
	Environmental Restructuring	Adding objects to the environment	Alcohol rub provision
Stedman-Smith 2015	Training	Information on how to perform the behavior	Multimedia - Videos
	Environmental Restructuring	Adding objects to the environment	Alcohol rub provision
Strohbehn 2011	Education; Enablement	Social support (practical); Information about health consequences	Food Hygiene Education
	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	Food Hygiene Training
	Environmental Restructuring	Adding objects to the environment	Soap provision
	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - pamphlets
Suen 2020	Training	Information on how to perform the behavior	Multimedia - Videos
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	School-based Training
Sutherland 2021	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station

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	Environmental Restructuring	Adding objects to the environment	Soap provision
Takanashi 2013	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - pamphlets
Taware 2018	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
Thorseth 2021	Environmental Restructuring	Adding objects to the environment	Soap provision
	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
Tian 2019	Education; Enablement	Action planning; Information on others; approval; Goal setting (behavior)	Group discussions
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
Tidwell 2019	Training	Information on how to perform the behavior	Multimedia - Videos
	Enablement	Self-monitoring of behavior; Goal setting (behavior)	Multimedia - SMS
Tidwell 2020	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
Topan 2020	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
Tousman 2007	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
Tousman 2011	Enablement	Self-monitoring of behavior; Goal setting (behavior)	Diaries and journals
Umair 2019	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based

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Underwood 2017	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Plays, skits or songs
Updegraff 2011	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
Vally 2019	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Multiple
	Enablement	Social support (unspecified); Restructuring the social environment	Policy or institutional strengthening
	Environmental Restructuring	Prompts/cues; Restructuring the physical environment; Adding objects to the environment	HW station
	Environmental Restructuring	Adding objects to the environment	Soap provision
VazNery 2019	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
Violant-Holz 2021	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	School-based Training
Waterkeyn 2005	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
Watson 2019	Environmental Restructuring	Adding objects to the environment	Soap provision
	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
Weijers 2020	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
White 2003	Environmental Restructuring	Adding objects to the environment	Alcohol rub provision
	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters

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Wichaidit 2019	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Plays, skits or songs
	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
	Environmental Restructuring	Adding objects to the environment	Soap provision
Wichaidit 2019	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
Wilson 1993	Environmental Restructuring	Adding objects to the environment	Soap provision
	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Multiple
	Enablement; Training	Demonstration of behavior; Social support (practical)	Training - Adults/Community-based
Witt 2004	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	School-based Training
Wong 2022	Environmental Restructuring; Training	Instruction on how to perform the behavior; Prompts/cues	Other
	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	Food Hygiene Training
Wu 2022	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	School-based Training
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
Yang 2017	Training	Information on how to perform the behavior	Multimedia - Videos
	Enablement	Social support (unspecified); Restructuring the social environment	Policy or institutional strengthening
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station

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Yardley 2011	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
Yeboah-Antwi 2019	Enablement	Social support (unspecified); Restructuring the social environment	Policy or institutional strengthening
York 2009	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
	Education; Training; Incentivization	Information about health consequences; Demonstration of behavior; Material incentive	Games or competitions
Younie 2020	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
Yu 2018	Training	Information on how to perform the behavior	Multimedia - Videos
	Environmental Restructuring Incentivization	Adding objects to the environment Incentive (outcome)	Soap provision Other incentives provided
Zemichael 2020	Education; Training	Instruction on how to perform the behavior; Information about health consequences	Education - Adults/Community-based
	Enablement	Social support (unspecified); Restructuring the social environment	Policy or institutional strengthening
	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - pamphlets
Zhang 2013	Environmental Restructuring	Adding objects to the environment	Soap provision
	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
	Environmental Restructuring	Restructuring the physical environment; Adding objects to the environment	HW station
Zhang 2021	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	School-based Training
	Enablement	Self-monitoring of behavior; Goal setting (behavior)	Multimedia - SMS

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	Education; Training	Instruction on how to perform the behavior; Information about health consequences	School-based Education
Zomer 2016	Environmental Restructuring	Adding objects to the environment	Alcohol rub provision
	Environmental Restructuring	Adding objects to the environment	Soap provision
	Education; Training; Environmental Restructuring	Information about health consequences; Instruction on how to perform the behavior; Adding objects to the environment	Multimedia - Posters
	Training	Demonstration of behavior; Feedback on behavior; Instruction on how to perform the behavior	School-based Training