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Online Supplemental Information—Part I

One multi-disciplinary approach related to built/physical and natural environments and their role in promoting positive behaviorand reducing crime including violence with guns and other weapons is crime preventhrough environmental design or CPTED (CPTED, 2020; CDC, 2020b; Lamoreaux & Mokowski, 2019). To date, most use of CPTED has been in urban compared to non-urban areas, with a more of a focus on neighborhoods and sidewalks/pedian areas in between main roads and commercial areas (restaurants, stores, offices, etc.) than droets. Specifically, regarding secondary schools, few peer-reviewed studies have been alactual assessed secondary school campus built/physical environment feates and school-based shoots (either one victim or involving many/mass victisn). A previous review of 25 articles (as of 2008-09) reported most were cross-sectional surveys of soficitors (Johnson, 2009). One study looked at overall crime rates and social and educational in secondary schools in Los Angeles, California with only neighborhood environemtal factors (Limbos and Casteel, 2008). Another study focused on junior high ordrdle schools and the use of CPTED but only examined perceptions of safety and violence ineral, not specifically to guns (Vagi et al., 2018). In those studies, two of the currentenivironmental aspectof the CPTED model for schools (Carter and Carter, 2001; CDC,020)2 eceived focus, natural surveillance and access managment, as compared to the 31-40-sed categories typically referenced for neighborhoods, buildings, offices, streetsing pparks and poteinally schools (CPTED, 2020; Lamoreaux and Sulkowski, 2019)eSitically, the focus was on buildings exits/egress, outdoor lighting, and outdbordscaping as compared to teacher and/or student cross-sectional survey-based percestabout safety and/or to general violence indicators like crime or specific types of crime like asset (Limbos and Casteel, 2008; Vagi et al., 2018). Also, outcomes data werselplan community-level @census tract data (Limbos and Casteel, 2008), not school-speciata and not specially about guns.

Online Supplemental Information—Part II

In the social-ecological model, physical and social support includes personal and societal factors contributed to the development of amdividual's security and well-being (Bronfenbrenner, 1979; CDC, 2020a; Wlass, 2020). The social-ecological model-with an individual's knowledge, attitudes albehaviors or attributes encompassing the workings of this framework-recognizes the role interpretal relationships, community relationships, organizations and social institution and policies play in contributing to an individual's well-being including violence prevention