"A Randomized Trial to Measure the Impact of a Community-Based Cognitive Training Intervention on Balance and Gait in Cognitively Intact Black Older Adults"

Supplemental Table 1. Description of Cognitive Training Games

Posit Science Game	Description	Targeted Cognitive Domains
Road Tour	 User views an animated car or truck in the center of the screen, while a road sign appears on the outside of the screen in the user's periphery After very brief exposure (~1 second) image fades away Selection screenshot appears, prompting the user to correctly select the vehicle type displayed on previous screen (car or truck) After the selection is made a circle of cars appears around the periphery with a single road sign among them User must correctly identify the location in which the road sign initially appeared around the periphery Game focuses the user's attention on a task in the middle of the screen while simultaneously requiring attention on the Route 66 road sign that appears in the periphery of the screen, calling on field of view Task becomes more difficult as the user's performance improves 	Dual-task processing; speed of processing; inhibition; attention
Jewel Diver	 Taking perspective of a scuba diver, user views a variety of jewels scattered across an underwater scene User is instructed to simultaneously track a variety of jewels at one time Stimulus jewel(s) appears very briefly on screen (~1 second) then fades away After this initial viewing, each jewel is encapsulated by an opaque bubble and begins to float erratically around the screen alongside distractor bubbles Once bubbles stop moving, participant must select the bubble that he/she believes contains the stimulus jewel(s) Exercise increases in difficulty as user performance progresses: jewels travel more quickly, for longer amounts of time, and over larger areas Exercise adapts to the user's performance by changing the number of 	Divided attention; visuospatial working memory; inhibition
Sweep Seeker	 distracter stimuli/bubbles. Game's objective is to accumulate points by collapsing a pyramid of seashells Seashells are collapsed by lining up three similar shells in a row In order to achieve three in a row, participants must strategically make dissimilar shells disappear User selects shell that they want to disappear Immediately following this selection a pattern of sweeps appears User views two rapid visual "sweeps" (<1-second movements of bars) and is instructed to indicate whether each one swept inward or outward When the sequence of sweeps is correctly identified the user is rewarded with the disappearance of the selected seashell 	Visual processing speed; working memory