

### Supplemental Material

S4: Included study authors and date, number of pedestrians observed, age, sex, tasks, measures, overall percent distracted, and general results.

Study	N	Geographic Location	Observation Locations	Age (SD), Sex	Cell Phone Tasks	Observation Measures	Percent Distracted	General Results
Brumfield et al. (2011)[51]	325	U. of North Carolina, Charlotte	Seven high visibility, midblock, on-campus crosswalks	College age, Sex unclear	Talking Texting Other	Conflict type (6 types, including: near miss)	29	Pedestrians talked and texted during 16% and 7% of observations. Distracted drivers were less likely to yield to pedestrians.
Burbidge (2016)[52]	1,221 video 841 site visit	Utah	Eight intersections across regions in Utah during the summer, video, site visits	Children, adults, seniors ~67% male	None, Electronic Socializing	Crossing duration Conflicts (none, potential, minor, serious)	12	Conflicts frequently resulted from right turning vehicles (49%) or vehicles stopped in the crosswalk (17%).  Pedestrians who were walking alone were less likely to experience a minor conflict than when walking in a group.
Harrison (2017)[53]	982	Mississippi State Univ.,	One unsignalized intersection,	Univ. students crossing alone,	Talking Texting	Crossing duration, Looking left & right, Initiation	45	Pedestrians using headphones looked more times at traffic than those distracted by cell phones.

		Starkville, MS	one midblock crosswalk	51% males	Ear phones	duration, Hits & close calls		<p>Pedestrians did not wait longer to cross when using a cell phone.</p> <p>Pedestrians in groups looked at traffic less frequently than when alone.</p>
Hatfield & Murphy (2007)[11]	546	Sydney, AUS	Six crossings, three at signalized and 3 at unsignalized intersections.	Est. age (<10, 10-20, 21-30, etc., 71+) ~51% males	None Talking (HH, HF) Texting	Initiation duration Crossing time Looked for traffic Conflicts	33	<p>Distracted pedestrians were talking on a cell phone (26%) and texting (7%).</p> <p>Those talking on a mobile phone were less likely to look for traffic before and during crossing.</p> <p>Women walked slower while talking on a mobile phone, whereas men walked faster than controls.</p>
Gillette et al. (2016)[54]	760	College Station, TX	Three marked, signalized intersections during sunny weather	Four age groups (<18, 18-25, 26 to 55 56+) Sex	None Talking Texting Listening to music Other	Glances Walked within crosswalk markings Early entrance Hurried	35	<p>No distraction (65%), talking (3%), texting (21%) includes browsing, listening to music (4%), other (7%).</p> <p>Talking, texting, and listening to music decreased glances before entering the intersection.</p>

								Walking with markings not significant for any variable.
Pešic et al. (2016)[55]	1,194	Belgrade, Serbia	Two unsignalized intersections in May.	All ages (<20, 21-40, 41-60, 60+) ~50% males	None Talking Texting or browsing Listening to music	Looked before entering the crosswalk Waited for traffic to stop before entering the crosswalk Looked at traffic while crossing	13	Distracted pedestrians were less likely to look at traffic before crossing, less likely to wait for traffic to stop and less likely to look at traffic while crossing.  Texting pedestrians were less likely to look at traffic than those who were talking, listening to music or undistracted.
Thompson et al. (2013)[27]	1102	Seattle, WA	20 intersections with highest # of injuries in summer.	All ages (<18, 18-24, 25-44, 45-64, 65+) ~50% males	None Talking Texting Listening to music	Crossing duration Looked left and right Obeyed intersection signal	30	Distractions included listening to music (11%), texting (7%) and using hand-held (6%).  Distracted pedestrians took longer to cross.  Those texting, talking with others and listening to music were less likely to look left and right.

Walker et al. (2011)[56]	264	Univ. of British Columbia, Vancouver	Two midblock crosswalks in March and April	Age unclear ~51% males	Listening to music on a device	Looking left & right Initiation duration	22	Males looked more frequently while using a personal music device than those who did not.
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