Cul De Sac Item Reliability Table (Full Sample)

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| Item | Item Content | Range | N | Inter-Rater Agreement | | Rater | Mean | (SD) | Frequencies |
| Kappa/ICC | % agreement |
| D1 | How close is cul-de-sac or dead-end to participant’s home? | 1-4 | 53 | .891 | 71.7 | Rater 1 | 2.17 | 1.16 | On cul-de-sac: 20  Adjacent: 15  <200 ft: 7  >200 ft: 11 |
| Rater 2 | 2.11 | 1.12 | On cul-de-sac: 21  Adjacent: 14  <200 ft: 9  >200 ft: 9 |
| D1\_ dichot | How close is cul-de-sac or dead-end to participant’s home?  Dichotomized | 0-1 | 53 | .748 | 88.7 | Rater 1 | .6604 | .478 | On CdS or adjacent: 35  Other: 18 |
| Rater 2 | .6604 | .478 | On CdS or adjacent: 35  Other: 18 |
| D2 | How big is cul-de-sac at its largest diameter? | 1-4 | 53 | .468 | 68.0 | Rater 1 | 1.96 | .59 | <50 ft: 10  51-100 ft: 35  101–200 ft: 8  >200 ft: 0 |
| Rater 2 | 1.85 | .60 | <50 ft: 14  51-100 ft: 33  101–200 ft: 6  >200 ft: 0 |
| D2\_dichot | How big is cul-de-sac at its largest diameter?  Dichotomized | 0-1 | 53 | .573 | 84.9 | Rater 1 | .8113 | .395 | <50 ft: 10  Other: 43 |
| Rater 2 | .7358 | .445 | <50 ft: 14  Other: 39 |
| D3a | What is incline/grade of cul-de-sac at its steepest point? | .3-18.3 | 53 | .681 | n/a | Rater 1 | 3.27 | 3.24 | Continuous response scale |
| Rater 2 | 3.72 | 2.86 |  |
| D3a\_dichot | What is incline/grade of cul-de-sac at its steepest point?  Dichotomized | 0-1 | 53 | .291 | 86.8 | Rater 1 | .8868 | .320 | 0-6.88: 47  >6.88: 6 |
| Rater 2 | .9057 | .295 | 0-6.88: 48  >6.88: 5 |

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| Item | Item Content | Range | N | Inter-Rater Agreement | | Rater | Mean | (SD) | Frequencies |
| Kappa/ICC | % agreement |
| D5 | For paved part, how smooth is pavement? | 1-4 | 53 | .817 | 83.0 | Rater 1 | 3.53 | .64 | Not: 1  Somewhat: 1  Mostly: 20  Very: 31 |
| Rater 2 | 3.51 | .72 | Not: 2  Somewhat: 1  Mostly: 18  Very: 32 |
| D5\_ dichot | For paved part, how smooth is pavement?  Dichotomized | 0-1 | 53 | .726 | 86.8 | Rater 1 | .5849 | .498 | Very:31  Other:22 |
| Rater 2 | .6038 | .494 | Very:32  Other21 |
| D6a | What amenities exist at opening to or in cul-de-sac?  Basketball hoops (number) | 0-1 | 53 | .948 | 98.1 | Rater 1 | .23 | .42 | 0 = 41  1 = 12 |
| Rater 2 | .25 | .43 | 0 = 40  1 = 13 |
| D6b | Skateboard features (number) | 0-1 | 53 | Not calculated only 0 for R2 | 98.1 | Rater 1 | .02 | .14 | 0 = 52  1 = 1 |
| Rater 2 | .00 | .00 | 0 = 53  1 = 0 |
| D6c | Streetlights (number) | 0-3 | 53 | .745 | 79.3 | Rater 1 | .51 | .64 | 0 = 29  1 = 22  2 = 1  3 = 1 |
| Rater 2 | .53 | .64 | 0 = 28  1 = 23  2 = 1  3 = 1 |
| D6d | Pedestrian or other safety signage | 0-1 | 53 | Not calculated, only 0 | 100 | Rater 1 | .00 | .00 | 0 = 53  1 = 0 |
| Rater 2 | .00 | .00 | 0 = 53  1 = 0 |
| D6e1 | Other | 0-1 | 53 | Not calculated only 0 for R2 | 98.1 | Rater 1 | .00 | .00 | 0 = 52  1 = 1 |
| Rater 2 | .00 | .00 | 0 = 53  1 = 0 |

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| Item | Item Content | Range | N | Inter-Rater Agreement | | Rater | Mean | (SD) | Frequencies |
| Kappa/ICC | % agreement |
| D6\_ trichot | Total amenities: a + b + c + d + e: 0= 0, 1= 1, >1 = 2  sum trichotomized | 0-2 | 53 | .794 | 81.1 | Rater 1 | .74 | .76 | 0 = 24  1 = 19  2 = 10 |
| Rater 2 | .75 | .78 | 0 = 24  1 = 18  2 = 11 |
| D7 | Can most of the cul-de-sac area be seen from participant’s home? | 0-1 | 53 | .809 | 90.5 | Rater 1 | .57 | .50 | 0=23  1=30 |
| Rater 2 | .55 | .50 | 0=24  1=29 |
| D8 | Can most of the cul-de-sac area be seen from other homes? | 0-1 | 53 | .647 | 96.3 | Rater 1 | .94 | .23 | 0 = 3  1 = 50 |
| Rater 2 | .94 | .23 | 0 = 3  1 = 50 |
| D3a | What is incline/grade of cul-de-sac at its steepest point? | 3-18.3 | 53 | .681 | n/a | Rater 1 | 3.27 | 3.24 | Continuous response |
| Rater 2 | 3.72 | 2.86 | scale |
| D3a\_dichot | What is incline/grade of cul-de-sac at its steepest point?  Dichotomized | 0-1 | 53 | .291 | 86.8 | Rater 1 | .89 | .32 | 0-6.88: 47  >6.88: 6 |
| Rater 2 | .91 | .29 | 0-6.88: 48  >6.88: 5 |
| D11\_recode  \*NOTE: Item recoded (0 = 1, 1 = 0) to calculate Overall Score | Is parking allowed in the area? | 0-1 | 53 | Not calculated only 0 for rater 1 | 86.8 | Rater 1 | .00 | .00 | 0 = 53\*  1 = 0 |
| Rater 2 | .13 | .34 | 0 = 46\*  1 = 7 |

Items excluded from subscale score:

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| Item | Item Content | Range | N | Inter-Rater Agreement | | Rater | Mean | (SD) | Frequencies |
| Kappa/ICC | % agreement |
| D4 | What %age of cul-de-sac is paved? | 1-4 | 53 | .588 | 79.3 | Rater 1 | 3.83 | .51 | <25%: 1  25-50%: 0  51-75%: 6  >75%: 46 |
| Rater 2 | 3.85 | .50 | <25%: 1  25-50%: 0  51-75%: 5  >75%: 47 |
| D9 | Number of driveways that enter into the cul-de-sac | 0-6 | 53 | .911 | 77.4 | Rater 1 | 3.53 | 1.49 | 0 = 2  2 = 15  3 = 8  4 = 10  5 = 15  6 = 3 |
| Rater 2 | 3.58 | 1.50 | 0 = 2  1 = 1  2 = 9  3 = 16  4 = 7  5 = 13  6 = 5 |
| D10 | Is there an island in the cul-de-sac? | 0-1 | 53 | 1.00 | 100 | Rater 1 | .19 | .39 | 0 = 43  1 = 10 |
| Rater 2 | .19 | .39 | 0 = 43  1 = 10 |

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| Item | Item Content | Range | N | Inter-Rater Agreement | | Rater | Mean | (SD) | Frequencies |
| Kappa/ICC | % agreement |
| D12a | Is there access through the end of the cul-de-sac to another public street or area? | 0-1 | 53 | .812 | 96.2 | Rater 1 | .11 | .32 | 0 = 47  1 = 6 |
| Rater 2 | .11 | .32 | 0 = 47  1 = 6 |
| D12b1 | If yes: what type of access?  Formal path | 0 or 1 or -777 | 4/6 | \* | \* | Rater 1 | \* | \* | Smaller sample:  0 = 0; 1 = 4  Full sample:  0 = 1; 1 = 5 |
| Rater 2 | \* | \* | Smaller sample:  0 = 0; 1 = 4  Full sample:  0 = 1; 1 = 5 |
| D12b2 | If yes: what type of access?  Informal path | 0 or 1 or -777 | 4/6 | \* | \* | Rater 1 | \* | \* | Smaller sample:  0 = 4; 1 =0  Full sample:  0 = 5; 1 = 1 |
| Rater 2 | \* | \* | Smaller sample:  0 = 4; 1 =0  Full sample:  0 = 5; 1 = 1 |
| D12b3 | If yes: what type of access?  Informal, no path | 0 or 1 or -777 | 4/6 | \* | \* | Rater 1 | \* | \* | Smaller sample:  0 = 4  Full sample:  0 = 6 |
| Rater 2 | \* | \* | Smaller sample:  0 = 4  Full sample:  0 = 6 |
| \*12b: no reliability was calculated because of low numbers (only 6 cases) | | | | | | | | | |

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| Item | Item Content | Range | N | Inter-Rater Agreement | | Rater | Mean | (SD) | Frequencies |
| Kappa/ICC | % agreement |
| D12c1 | If yes: what is on the  other side?  Another street | 0 or 1 or -777 | 4/6 | \* | \* | Rater 1 | \* | \* | Smaller sample:  0 = 3; 1 = 1  Full sample:  0 = 4; 1 = 2 |
| Rater 2 | \* | \* | Smaller sample:  0 = 3; 1 = 1  Full sample:  0 = 4; 1 = 2 |
| D12c2 | If yes: what is on the  other side?  A recreation or play area | 0 or 1 or -777 | 4/6 | \* | \* | Rater 1 | \* | \* | Smaller sample:  0 = 2; 1 = 2  Full sample:  0 = 3; 1 = 3 |
| Rater 2 | \* | \* | Smaller sample:  0 = 2; 1 = 2  Full sample:  0 = 3; 1 = 3 |
| D12c3 | If yes: what is on the  other side?  Open space | 0 or 1 or -777 | 4/6 | \* | \* | Rater 1 | \* | \* | Smaller sample:  0 = 4; 1 = 0  Full sample:  0 = 6; 1 = 0 |
| Rater 2 | \* | \* | Smaller sample:  0 = 4; 1 = 0  Full sample:  0 = 5; 1 = 1 |
| D12c4 | If yes: what is on the  other side?  Commercial | 0 or 1 or -777 | 4/6 | \* | \* | Rater 1 | \* | \* | Smaller sample:  0 = 4; 1 = 0  Full sample:  0 = 6; 1 = 0 |
| Rater 2 | \* | \* | Smaller sample:  0 = 4; 1 = 0  Full sample:  0 = 6; 1 = 0 |
| D12c5 | If yes: what is on the  other side?  Other | 0 or 1 or -777 | 4/6 | \* | \* | Rater 1 | \* | \* | Smaller sample:  0 = 2; 1 = 2  Full sample:  0 = 4; 1 = 2 |
| Rater 2 | \* | \* | Smaller sample:  0 = 3; 1 = 1  Full sample:  0 = 5; 1 = 1 |
| \*12c: no reliability was calculated because of low numbers (only 6 cases) | | | | | | | | | |