

SUPPLEMENTAL TABLE 1
Calculation of settlement-level urbanization indices, Laos*

Category	Variable	Description
Land use	Farmland	0 if there is any farmland in the community (1 otherwise)
	Agricultural workers	Proportion of community workforce working in agriculture or fisheries, 0 if above 50%, 1 if below 50%
Transportation	Bus station	1 if community is near a bus station (0 otherwise)
	Car ownership	0 if low (< 33% of households), 1 if medium, 2 if high (> 67% of households)
	Motorbike ownership	0 if low (< 33% of households), 1 if medium, 2 if high (> 67% of households)
	Dirt roads	1 if dirt is main characteristic of roads in community (0 otherwise)
	Gravel roads	1 if stone/gravel is main characteristic of roads in community
	Tarmac roads	1 if tarmac is main characteristic of roads in community
	Any tarmac road	1 if there is any tarmac road in community (0 otherwise)
	Distance to tarmac	0 if ≤ 30 km, 1 if ≤ 20 km, 2 if ≤ 10 km, 3 if ≤ 1 km
Housing	Distribution of houses	2 if houses continuously distributed, 1 if small vegetated gaps between houses, 0 if vegetated gaps between houses
	Construction of houses	3 if primarily brick-walled housing, 2 if mix brick and wood wall houses, 1 if mix bamboo and wood walls, 0 if primarily bamboo walls
Water supply Services	How water is supplied	3 if piped water, 2 if pumped water, 1 if well water, 0 if stream/rainwater
	Distance to market	0 if ≤ 30 km, 1 if ≤ 20 km, 2 if ≤ 10 km, 3 if ≤ 1 km
	Telephone	1 if community has convenient telephone service (mobile phone or fixed landline) (0 otherwise)
	Post office	1 if there is a post office in community (0 otherwise)
	Gas station	1 if there is a commercial gas station in the community (0 otherwise)
	Primary school	1 if there is a primary school in the community (0 otherwise)
	Secondary school	1 if there is a secondary school in the community (0 otherwise)
	University/ college	1 if there is a higher education institution in the community (0 otherwise)
	Distance to community healthcare center	0 if ≤ 15 km, 1 if ≤ 10 km, 2 if ≤ 5 km, 3 if ≤ 1 km
	Distance to district hospital	0 if ≤ 30 km, 1 if ≤ 20 km, 2 if ≤ 10 km, 3 if ≤ 1 km
	Distance to provincial hospital	0 if ≤ 120 km, 1 if ≤ 90 km, 2 if ≤ 60 km, 3 if ≤ 30 km
	Electricity supply	0 if no mains electricity supply, 1 if connected to national grid
	Childcare < 3 years	1 if there is a child care center for children < 3 years old (0 otherwise)
	Childcare < 6 years	1 if there is a child care center for children < 6 years old (0 otherwise)
	No. restaurants	0 if none, 1 if ≤ 5, 2 if ≤ 10, 3 if ≤ 20, 4 if ≥ 21
	No. enterprises	0 if none, 1 if ≤ 5, 2 if ≤ 10, 3 if ≤ 20, 4 if ≥ 21
	Socioeconomic context	Human population

*Every settlement was assigned an urbanization score, which was the cumulative total of scores assigned to the individual indicator variables listed. Characteristics associated with urban environments are assigned the highest scores.