

Table 3 Pairwise comparisons of the effective layers in locating health centres: comparisons metrics using fuzzy analytic hierarchy process (fuzzy AHP SoLver software, 2015)

	C1	C2	C3	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13
C1	1,1,1	1,2,4	1,2,4	1,2,4	1,3,5	1,3,5	1,3,5	2,4,6	3,5,7	4,6,8	5,7,9	6,8,10	7,9,11
C2	0.25,0.5,1	1,1,1	1,2,4	1,2,4	1,2,4	1,3,5	1,3,5	1,3,5	2,4,6	3,5,7	4,6,8	5,7,9	6,8,10
C3	0.25,0.5,1	0.25,0.5,1	1,1,1	1,2,4	1,2,4	1,2,4	1,3,5	1,3,5	1,3,5	2,4,6	3,5,7	4,6,8	5,7,9
C4	0.25,0.5,1	0.25,0.5,1	0.25,0.5,1	1,1,1	1,2,4	1,2,4	1,2,4	1,3,5	1,3,5	1,3,5	2,4,6	3,5,7	4,6,8
C5	0.2,0.33333,1	0.25,0.5,1	0.25,0.5,1	0.25,0.5,1	1,1,1	1,2,4	1,2,4	1,2,4	1,3,5	1,3,5	1,3,5	2,4,6	3,5,7
C6	0.2,0.33333,1	0.2,0.33333,1	0.25,0.5,1	0.25,0.5,1	0.25,0.5,1	1,1,1	1,2,4	1,2,4	1,2,4	1,3,5	1,3,5	1,3,5	2,4,6
C7	0.2,0.33333,1	0.2,0.33333,1	0.2,0.33333,1	0.25,0.5,1	0.25,0.5,1	0.25,0.5,1	1,1,1	1,2,4	1,2,4	1,2,4	1,3,5	1,3,5	1,3,5
C8	0.16667,0.25,0.5	0.2,0.33333,1	0.2,0.33333,1	0.2,0.33333,1	0.25,0.5,1	0.25,0.5,1	0.25,0.5,1	1,1,1	1,2,4	1,2,4	1,2,4	1,3,5	1,3,5
C9	0.14286,0.2,0.33333	0.16667,0.25,0.5	0.2,0.33333,1	0.2,0.33333,1	0.2,0.33333,1	0.25,0.5,1	0.25,0.5,1	0.25,0.5,1	1,1,1	1,2,4	1,2,4	1,2,4	1,3,5
C10	0.125,0.16667,0.25	0.14286,0.2,0.33333	0.16667,0.25,0.5	0.2,0.33333,1	0.2,0.33333,1	0.2,0.33333,1	0.25,0.5,1	0.25,0.5,1	0.25,0.5,1	1,1,1	1,2,4	1,2,4	1,2,4
C11	0.11111,0.14286,0.2	0.125,0.16667,0.25	0.14286,0.2,0.33333	0.16667,0.25,0.5	0.2,0.33333,1	0.2,0.33333,1	0.2,0.33333,1	0.25,0.5,1	0.25,0.5,1	0.25,0.5,1	1,1,1	1,2,4	1,2,4
C12	0.1,0.125,0.16667	0.11111,0.14286,0.2	0.125,0.16667,0.25	0.14286,0.2,0.33333	0.16667,0.25,0.5	0.2,0.33333,1	0.2,0.33333,1	0.2,0.33333,1	0.25,0.5,1	0.25,0.5,1	0.25,0.5,1	1,1,1	1,2,4
C13	0.09091,0.11111,0.14286	0.1,0.125,0.16667	0.11111,0.14286,0.2	0.125,0.16667,0.25	0.14286,0.2,0.33333	0.16667,0.25,0.5	0.2,0.33333,1	0.2,0.33333,1	0.2,0.33333,1	0.25,0.5,1	0.25,0.5,1	0.25,0.5,1	1,1,1