

Supplementary Table S1. Exploratory factor analysis (EFA) for the social domain of the Persian version of the Participation Measure-3 Domains, 4 Dimensions (PM-3D4D) subscales

Item	Communalities (extraction)	Factor 1	Factor 2	Factor 3	Item	Communalities (extraction)	Factor 1	Factor 2	Factor 3
Diversity					Difficulty				
Item 1	0.419	0.145	0.340	0.590	Item 1	0.236	0.247	0.443	
Item 2	0.246	0.216	0.383	0.251	Item 2	0.768	0.765	0.394	0.111
Item 3	0.537		0.135	0.653	Item 3	0.698	0.715	0.397	
Item 4	0.334		0.533	0.220	Item 4	0.764	0.739	0.414	0.149
Item 5	0.215	0.245	0.400		Item 5	0.534	0.471	0.546	0.104
Item 6	0.308	0.122	0.548	0.110	Item 6	0.452	0.350	0.548	0.192
Frequency					Desire for change				
Item 1	0.286	0.182	0.243	0.487	Item 1	0.345	-0.249	-0.409	-0.357
Item 2	0.358	0.351	0.435	0.225	Item 2	0.219	-0.300	-0.343	-0.164
Item 3	0.470		0.296	0.558	Item 3	0.149	-0.326	-0.218	
Item 4	0.457	0.309	0.573	0.193	Item 4	0.192	-0.177	-0.363	-0.224
Item 5	0.243	0.335	0.372		Item 5	0.207		-0.459	
Item 6	0.390	0.174	0.654		Item 6	0.139		-0.424	

Extraction method: Maximum likelihood; Rotation method: Varimax with Kaiser Normalization; Factor loadings below |0.30| are suppressed for clarity. Loadings $\geq |0.40|$ are in bold to indicate primary factor membership. This pattern is consistent with formative measurement models where items are not expected to correlate highly with single discrete factors.

Supplementary Table S2. Exploratory factor analysis (EFA) for the community domain of the Persian version of the Participation Measure-3 Domains, 4 Dimensions (PM-3D4D) subscales

Item	Communalities (extraction)	Factor 1	Factor 2	Factor 3	Item	Communalities (extraction)	Factor 1	Factor 2	Factor 3
Diversity					Difficulty				
Item 1	0.071	0.116	0.298		Item 1	0.177	0.166	0.419	0.166
Item 2	0.112	0.214	0.106	-0.322	Item 2	0.261	0.275	0.457	-0.142
Item 3	0.395	0.229	0.581	0.119	Item 3	0.762	0.790	0.299	0.162
Item 4	0.326	0.531	0.247	0.129	Item 4	0.769	0.755	0.334	0.217
Item 5	0.499	0.588	0.273	0.281	Item 5	0.784	0.787	0.244	0.210
Item 6	0.426	0.523	0.368	0.170	Item 6	0.656	0.687	0.393	0.135
Item 7	0.281	0.547		0.180	Item 7	0.603	0.596	0.467	0.150
Item 8	0.294	0.558	0.149		Item 8	0.798	0.828	0.192	0.185
Item 9	0.268	0.546	0.127		Item 9	0.323	0.475	0.291	0.152
Item 10	0.092	0.132		0.397	Item 10	0.353	0.457	0.367	0.122
Item 11	0.386	0.625	0.185		Item 11	0.731	0.770	0.284	0.175
Item 12	0.124	0.350	0.155		Item 12	0.578	0.712	0.228	
Frequency					Desire for change				
Item 1	0.051		0.302		Item 1	0.116		-0.130	-0.366
Item 2	0.125	0.236	0.236	-0.191	Item 2	0.112		-0.375	
Item 3	0.544	0.349	0.633	0.174	Item 3	0.231	-0.438	-0.184	
Item 4	0.313	0.503	0.263	0.152	Item 4	0.107	-0.199	-0.278	
Item 5	0.465	0.602	0.190	0.281	Item 5	0.073	-0.276		
Item 6	0.455	0.597	0.330	0.124	Item 6	0.210	-0.327	-0.351	
Item 7	0.258	0.561		0.139	Item 7	0.064	-0.175	-0.204	
Item 8	0.257	0.538			Item 8	0.060	-0.279		
Item 9	0.279	0.526	0.221		Item 9	0.044	-0.109	-0.175	
Item 10	0.108	0.132		0.400	Item 10	0.117	-0.133	-0.301	0.204
Item 11	0.296	0.591		0.152	Item 11	0.112	-0.355	-0.107	
Item 12	0.123	0.387			Item 12	0.071	-0.318		

Extraction method: Maximum likelihood; Rotation method: Varimax with Kaiser Normalization; Factor loadings below |0.30| are suppressed for clarity. Loadings $\geq |0.40|$ are in bold to indicate primary factor membership. This pattern is consistent with formative measurement models where items are not expected to correlate highly with single discrete factors.

Supplementary Table S3. Exploratory factor analysis (EFA) for the productivity domain of the Persian version of the Participation Measure-3 Domains, 4 Dimensions (PM-3D4D) subscales

Item	Communalities (extraction)	Factor 1	Factor 2	Factor 3	Item	Communalities (extraction)	Factor 1	Factor 2	Factor 3
Diversity					Difficulty				
Item 1	0.172		0.489		Item 1	0.624	0.695	0.363	
Item 2	0.319	0.620			Item 2	0.592	0.687	0.314	0.145
Item 3	0.558	0.740	0.118		Item 3	0.588	0.687	0.335	
Item 4	0.295		0.240	0.574	Item 4	0.578	0.719	0.185	0.116
Item 5	0.222	0.266	-0.111	0.507	Item 5	0.460	0.648	0.195	
Item 6	0.216	0.436	0.208		Item 6	0.255	0.392	0.345	
Frequency					Desire for change				
Item 1	0.234	0.151	0.487	0.155	Item 1	0.061	0.147	-0.308	
Item 2	0.336	0.630			Item 2	0.073		-0.353	
Item 3	0.582	0.755	0.113		Item 3	0.016		-0.111	
Item 4	0.288	0.121		0.585	Item 4	0.150	-0.276	-0.292	
Item 5	0.259	0.239		0.551	Item 5	0.167		-0.254	0.431
Item 6	0.196	0.421	0.188		Item 6	0.015	-0.129		

Extraction method: Maximum likelihood; Rotation method: Varimax with Kaiser Normalization; Loadings $\geq |0.40|$ are in bold to indicate primary factor membership.

Supplementary Table S4. Confirmatory factor analysis (CFA) for social and productivity domains of the Persian version of the Participation Measure-3 Domains, 4 Dimensions (PM-3D4D) subscales

Domain	Dimension	Item	Standardized loading	Domain	Dimension	Item	Standardized loading
Social	Diversity	1	0.423	Productivity	Diversity	1	0.285
		2	0.438			2	0.541
		3	0.151			3	0.715
		4	0.417			4	0.280
		5	0.415			5	0.283
		6	0.386			6	0.455
	Frequency	1	0.385		Frequency	1	0.383
		2	0.580			2	0.547
		3	0.313			3	0.720
		4	0.613			4	0.193
		5	0.464			5	0.250
		6	0.482			6	0.437
	Difficulty	1	0.443		Difficulty	1	0.830
		2	0.901			2	0.833
		3	0.849			3	0.835
		4	0.613			4	0.752
		5	0.721			5	0.670
		6	0.623			6	0.486
	Desire for change	1	-0.492		Desire for change	1	-0.026
		2	-0.463			2	-0.104
		3	-0.423			3	-0.103
		4	-0.380			4	-0.375
		5	-0.254			5	-0.113
		6	0.030			6	0.036

Standardized factor loadings from the confirmatory factor analysis (CFA). Loadings $\geq |0.40|$ are bolded.

Supplementary Table S5. Confirmatory factor analysis (CFA) for community domain of the Persian version of the Participation Measure-3 Domains, 4 Dimensions (PM-3D4D) subscales

Domain	Dimension	Item	Standardized loading	Dimension	Item	Standardized loading
Community	Diversity	1	0.107	Difficulty	1	0.331
		2	0.149		2	0.396
		3	0.463		3	0.864
		4	0.564		4	0.876
		5	0.697		5	0.869
		6	0.643		6	0.824
		7	0.517		7	0.763
		8	0.536		8	0.868
		9	0.507		9	0.566
		10	0.200		10	0.578
		11	0.621		11	0.853
		12	0.351		12	0.756
	Frequency	1	0.172	Desire for change	1	-0.166
		2	0.258		2	-0.224
		3	0.604		3	-0.445
		4	0.552		4	-0.275
		5	0.668		5	-0.273
		6	0.679		6	-0.436
		7	0.490		7	-0.221
		8	0.501		8	-0.224
		9	0.527		9	-0.190
		10	0.227		10	-0.162
		11	0.540		11	-0.331
		12	0.362		12	-0.265

Standardized factor loadings from the confirmatory factor analysis (CFA). Loadings $\geq |0.40|$ are bolded.