Figure 1 Flow diagram of studies selected for inclusion in the systematic review

1 multi-country

324 studies identified and screene 303 from electronic databases and trail registric 20 from hand searchin 1 from contact with author Excluded studies 58 duplicates 234 based on title and abstract 32 studies: conducted full text review Excluded studies 2 participants did not meet inclusion criteria 2 participants were not from MENA region 8 outcome measures not related to TB dellay 20 studies from MENA countries included in systematic review: 6 Iran [18,26,27,28,32,33] 5 Turkey [17,19,29,30,34] 2 Yemen 20.35 2 Syria [21,31] [22,23] 2 Sudan 1 Jordan 16 1 Morocco 24

[25] (Iraq, Islamic Republic of Iran, Egypt, Somalia)