Latin America. When observing efficiency scores behaviors longitudinally, all our model iterations result in the region decreasing efficiency in their health systems by 2.5% to 6.9% from 2000 to 2013, depending on the model chosen.

Conclusions:
The study reveals that all countries in Latin American can improve their health systems efficiency performance to different extents. Latin America reduced total health system productivity between 2000 and 2013. Further studies are required to uncover the extent and causes of this regression. A similar analysis in Europe may be warranted and could aid policy making.

Key messages:
- Overall efficiency in Latin American health systems has decreased by 3% to 7% over the last thirteen years.
- Nicaragua, Cuba, Honduras and Costa Rica seem to have the most efficient health systems in the region, whereas Venezuela and Guatemala are the least efficient.