

**S5 Table. The longitudinal validity of the GLI reference values of all healthy never-smoking women (HNSW) who performed the spirometric measurement with MasterScope Jaeger.** Difference between z-scores at baseline and follow-up ( $z_f - z_b$ ). Two one-sided tests for equivalence were performed to establish equivalence between the mean z-scores of the GLI reference population and SALIA.

<b>Follow-up - baseline</b>	<b>N</b>	<b>Mean</b>	<b>sd</b>	<b>p-value*</b>
FEV <sub>1</sub>	132	0.15	0.69	<0.001
FVC	132	0.24	0.68	<0.001
FEV <sub>1</sub> /FVC	132	-0.17	0.84	<0.001

FEV<sub>1</sub>: forced expiratory volume in 1 s; FVC: forced vital capacity; LLN: Lower Limit of Normal. \*: Two one-sided tests (TOST) for equivalence were performed to test on equivalence between the mean deviations in z-scores of the GLI reference population and SALIA. A good longitudinal fit was reached if the null-hypothesis of the mean deviations in z-scores outside of the interval [-0.5, 0.5] was rejected at the 5% significance level ( $H_0: z_i - z_j \notin [-0.5, 0.5]$ ).