

Age	α	γ	δ	$\log(\psi)$	$\log(\tau)$	$\log(\theta)$	$\log(\zeta)$	$\log(\lambda)$	$\log(\phi)$
< 5	0.016	0.017	0.003	0.039	-	0.311	1.140	0.011	0.016
5 – 14	0.014	0.009	0.003	0.072	0.100	-	-	0.052	0.025
15 – 44	0.006	0.006	0.003	0.022	0.066	-	-	0.007	0.001
45 – 64	0.014	0.012	0.003	0.018	0.671	0.040	0.051	0.006	0.001
65+	0.004	0.003	0.003	0.011	-	0.028	0.047	0.003	0.001

S5 Table . Model K: Coefficient standard errors for the age-specific model of IPD including Flu, rhinovirus and RSV