

Supplementary Table 5. Projected demand and supply of occupational and environmental medicine specialists (number of specialists)

Year	Projected supply	Projected demand				Projected demand with increased workload ^a			
		Scenar io 1 ^b	Scenar io 2 ^c	Scenar io 3 ^d	Scenar io 4 ^e	Scenar io 1 ^b	Scenar io 2 ^c	Scenar io 3 ^d	Scenar io 4 ^e
2025	697	702	702	705	705	667	667	664	664
2026	710	717	722	725	729	682	686	683	687
2027	732	733	741	744	754	697	705	701	710
2028	750	748	761	764	779	712	724	720	733
2029	774	761	779	781	802	724	741	736	754
2030	796	774	797	799	825	737	757	752	775
2031	823	787	814	816	848	749	774	769	797
2032	846	800	831	833	872	762	790	785	819
2033	868	813	848	850	895	774	807	800	840
2034	890	825	865	867	919	786	823	816	862
2035	910	838	882	883	943	798	839	832	884

^aEach occupational and environmental medicine specialist is assumed to be responsible for 5,000 special health examinations or 10,000 workers under outsourced occupational health management; ^bScenario 1 (the proportion of workers covered by outsourced occupational health management services is held constant, and the proportion of occupational and environmental medicine specialists among physicians in health management agencies is also held constant); ^cScenario 2 (the proportion of workers covered by outsourced occupational health management services is held constant, while the proportion of occupational and environmental medicine specialists among physicians in health management agencies gradually increases from one-half to two-thirds); ^dScenario 3 (the proportion of workers covered by outsourced occupational health management services increases, while the proportion of occupational and environmental medicine specialists among physicians in health management agencies is held constant); ^eScenario 4 (the proportion of workers covered by outsourced occupational health management services increases, while the proportion of occupational and environmental medicine specialists among physicians in health management agencies gradually increases from one-half to two-thirds).