

**Multimedia Appendix 2. Health Effects Adjusted for District Rollout and Duration of MOTECH Program Implementation.**

Inter-vention	Changes in coverage by intervention type			2015	2016	2017	2018	2019	2020	2021	2022	2023	2024
	Annual increases in coverage until 75% of population reached*	Annual increase in coverage between 75 – 90%	Annual increase in coverage between 90 – 99%	Modeled coverage increase by base case program coverage effect for districts, adjusted for time and level of coverage in the population									
Facility delivery	<b>Base: 10.4%</b>	<b>5.20%</b>	<b>2.60%</b>	<b>57.1%</b>	<b>67.5%</b>	<b>77.9%</b>	<b>83.1%</b>	<b>88.3%</b>	<b>90.9%</b>	<b>93.5%</b>	<b>96.1%</b>	<b>99.0%</b>	<b>99.0%</b>
	Upper: 18.8%	9.42%	4.71%										
	Lower: 2.0%	0.99%	0.49%										
SBA	<b>Base: 11.02%</b>	<b>5.51%</b>	<b>2.75%</b>	<b>58.7%</b>	<b>69.7%</b>	<b>80.7%</b>	<b>86.2%</b>	<b>91.8%</b>	<b>94.5%</b>	<b>97.3%</b>	<b>99.0%</b>	<b>99.0%</b>	<b>99.0%</b>
	Upper: 19.4%	9.72%	4.86%										
	Lower: 2.6%	1.30%	0.65%										
Measles	<b>Base: 6.0%</b>	<b>2.99%</b>	<b>1.50%</b>	<b>91.0%</b>	<b>92.5%</b>	<b>94.0%</b>	<b>95.5%</b>	<b>97.0%</b>	<b>98.5%</b>	<b>99.0%</b>	<b>99.0%</b>	<b>99.0%</b>	<b>99.0%</b>
	Upper: 10.3%	5.14%	2.57%										
	Lower: 1.7%	0.84%	0.42%										
<b>Number of Lives Saved</b>													
Maternal				0	43	149	288	395	636	950	1,224	1,283	1,330
Child				0	288	1,001	1,941	2,668	3,749	5,038	6,119	6,397	6,596
Stillbirth				0	152	534	1,043	1,444	2,119	2,957	3,678	3,872	4,012
<b>Total Lives Saved</b>				<b>0</b>	<b>483</b>	<b>1,684</b>	<b>3,272</b>	<b>4,507</b>	<b>6,504</b>	<b>8,945</b>	<b>11,021</b>	<b>11,552</b>	<b>11,938</b>

\*Data drawn from the independent evaluation of MOTECH in Gomoa West led by the Healthcare Innovation Technology Lab in partnership with University of Ghana School of Public Health