



GLOBAL TASK FORCE ON
CHOLERA CONTROL

**ROADMAP INVESTMENT
CASE: OVERVIEW**

12 February 2019
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OVERVIEW OF INVESTMENT CASE (IC) PROCESS

IMPORTANT TOOL FOR ROADMAP ADVOCACY AT GLOBAL AND COUNTRY LEVELS

Kick-off / Consultations

- Definition of IC goals
- WG Meetings
- WASH-OCV Brainstorm
- WHA
- Annual GTFCC meeting



Draft IC developed

- Completion of IC analysis and modeling
- Draft circulated



Finalization of Global Methodology

- Detailed consultations
- Draft results developed



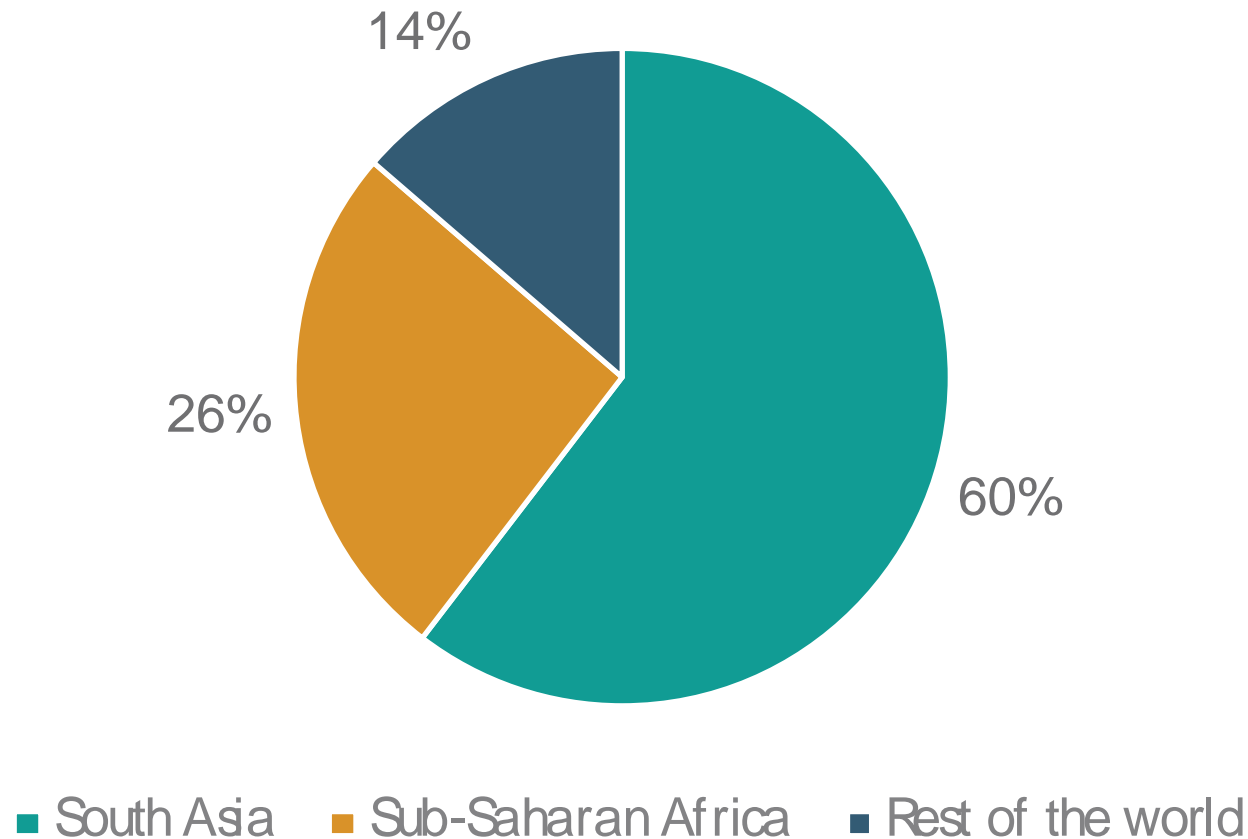
Approval and Release

- Document circulated to organisations for approval
- Finalization end of Feb
- Development of country model ₂

OVER 420 M ESTIMATED PEOPLE LIVE IN CHOLERA HOTSPOTS

POPULATION AND IMPLEMENTATION COSTS GREATEST IN SOUTH ASIA AND SUB-SAHARAN AFRICA

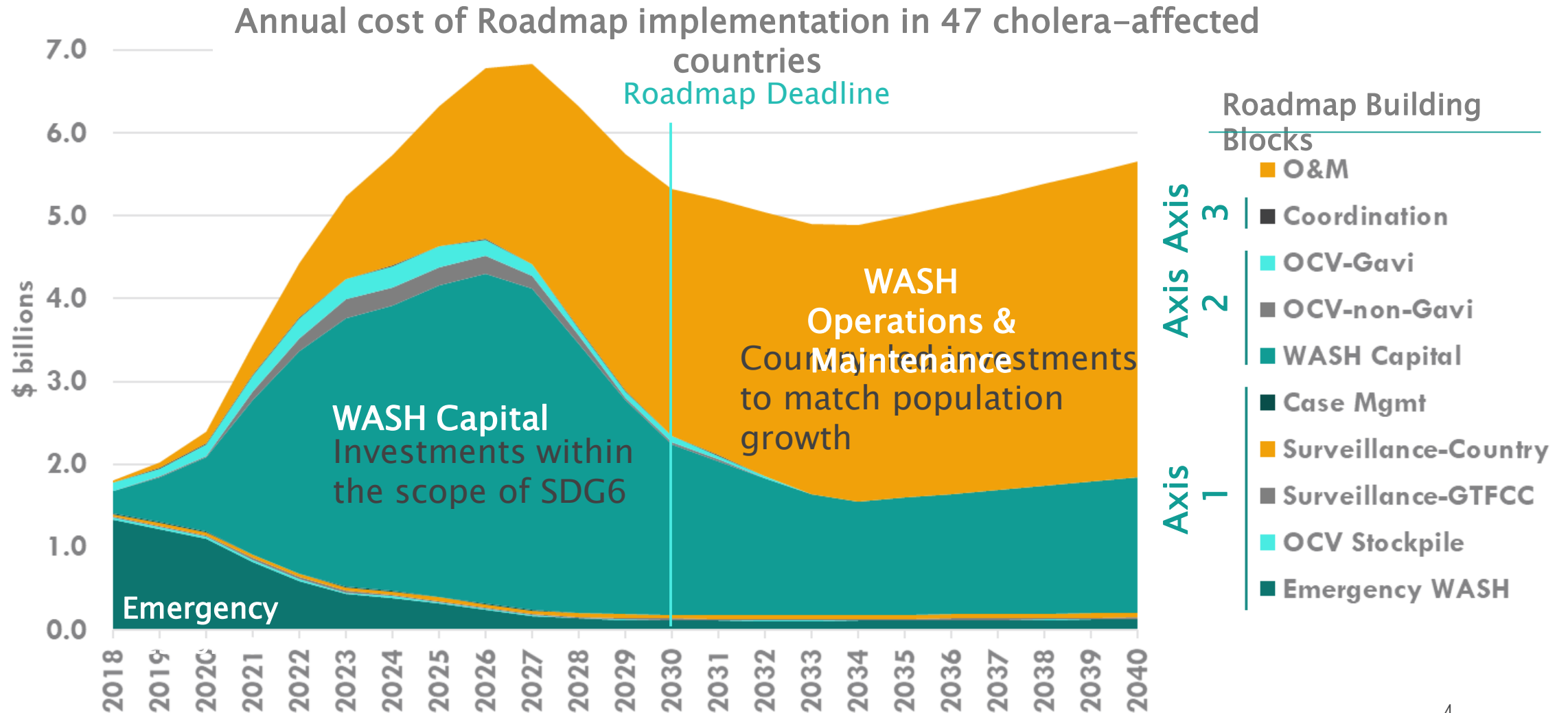
Percentage of individuals living in hotspots by area (2018)



90% of cholera cases in Africa are concentrated in hotspots inhabited by less than 5% of the total African population

TOTAL ESTIMATED COSTS IS \$11 PER PERSON IN HOTSPOT PER YEAR

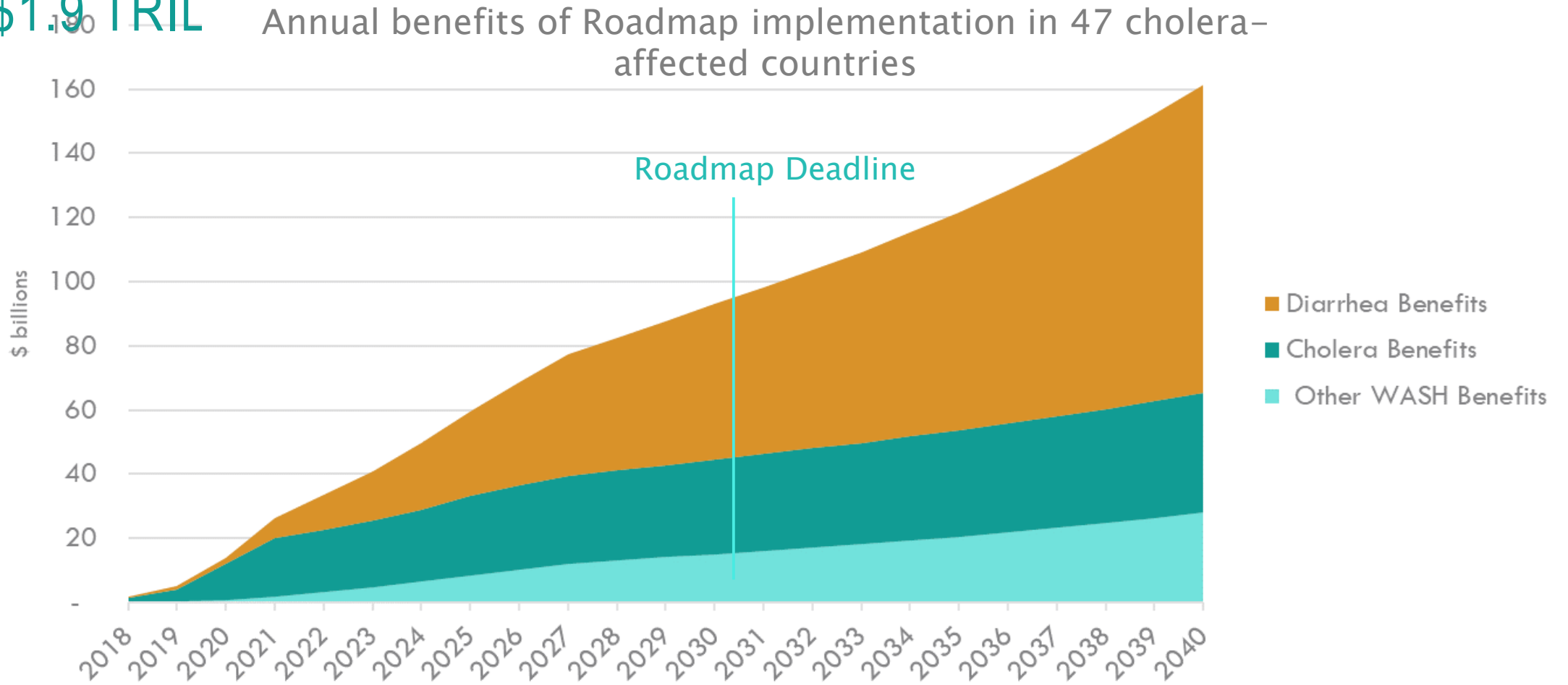
TOTAL COSTS IS 65B FROM 2018-30



Includes all sources, i.e. those already allocated and those yet to be raised. To highlight trends, data shown are 3-year moving

ESTIMATED BENEFITS: 2 MILLION LIVES SAVED AND \$150 PER PERSON IN HOTSPOT PER YEAR BY 2030

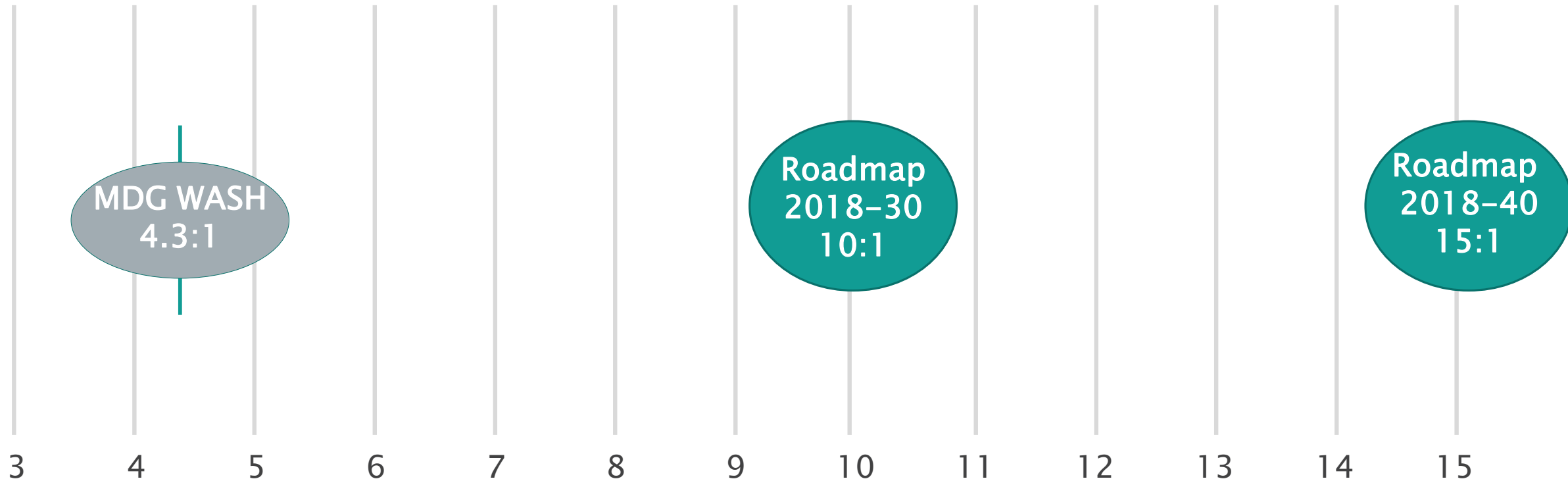
ECONOMIC BENEFITS REACH \$640 BILLION BY 2030 AND GROW TO \$1.9 TRIL



Annual benefits of Roadmap implementation in 47 cholera-affected countries. Includes emergency response cost savings, the benefits of averting cholera and diarrhoea cases and deaths (treatment costs and productivity losses averted, and value of life gained), and time savings

2018-30 BENEFITS-COSTS RATIO IS HIGHLY FAVORABLE AT 10:1

INCREASES TO 15:1 OVER 2018-40 TIME PERIOD



SOME ADDITIONAL DEDICATED FUNDS NEEDED FOR ROADMAP SUCCESS

~\$780 M NEEDED 2018-2030

Component		Estimated Cost (\$ millions)	
		Annual 2018-2030	Total 2018-2030
Total Roadmap costs		5,045	65,575
Additional resources needed for Roadmap success			
Axis 1	Surveillance catalytic support	18	230
	Stockpile non-Gavi country utilization	1	15
Axis 2	OCV for non-Gavi countries	35	445
Axis 3	Coordination	7	90
<u>Total Additional Resources needed</u>		<u>60</u>	<u>780</u>
Percent of Total Roadmap Costs		~1%	

OCV cost excludes India, which is expected to self-fund its OCV procurement. Values are not discounted.

NEXT STEPS FOR IC

- GTFCC, partners, and countries to start using the global investment case to advocate for financing of Roadmap pillars, as well as other existing initiatives such as SDG6
- Make investment case model available to countries:
 - Cost–benefit model with list of variables and values – country can adjust
 - Reporting template automatically filled with tables and graphs
 - Written guideline on how to adapt model and use the results
 - In–country technical assistance

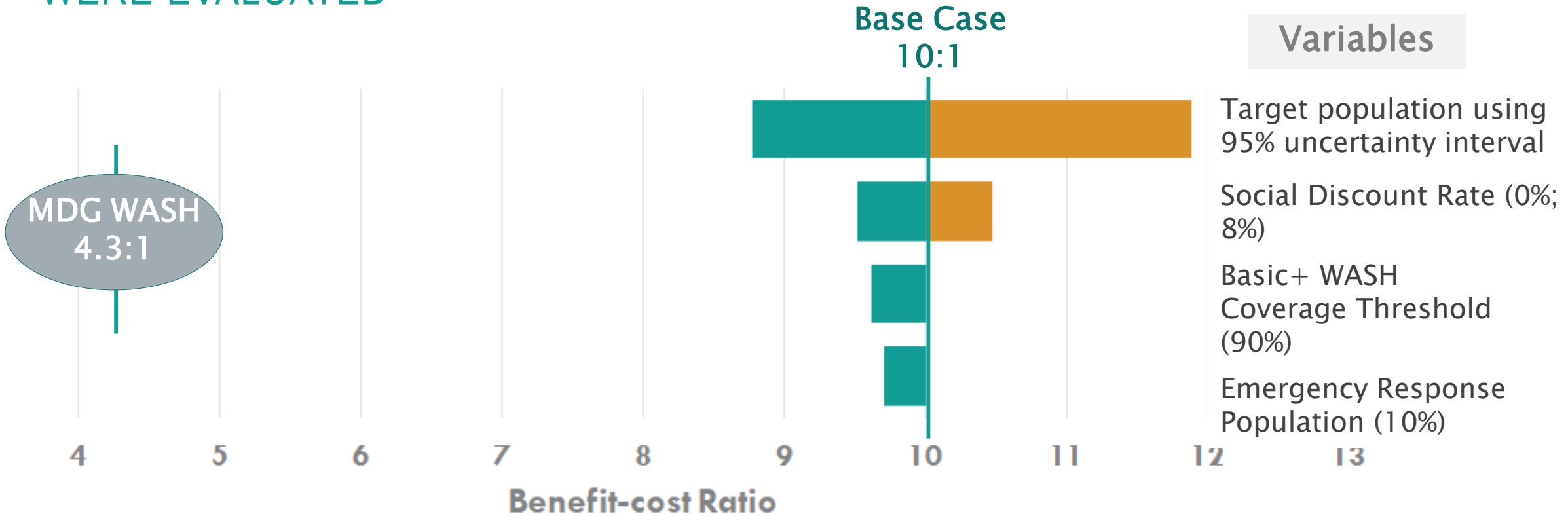


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THANK YOU! |

2018-30 BENEFITS-COSTS RATIO REMAINS HIGHLY FAVORABLE AT 10:1

INCREASES TO 15:1 OVER 2018-40 TIME PERIOD, ADDITIONAL SENSITIVITIES WERE EVALUATED



KEY ASSUMPTIONS AND SOURCES OF DATA

Key Assumptions	Data Sources / Comments
Timelines: 2018–30	Ending Cholera Roadmap
Targeted Countries: 47 cholera endemic countries	Ending Cholera Roadmap
Targeted Population: country specific	Lesser et al. Mapping the burden of cholera in sub-Saharan Africa...; Ali et al. Updated Global Burden of Cholera in Endemic Countries; country specific epi reports
Cholera Burden: country specific	Ali et al. Updated Global Burden of Cholera in Endemic Countries, country specific epi reports
OCV: 2 doses, 2 campaigns per country (exception is crisis countries) , 76% efficacy, 85% coverage, price estimates	Gavi, WHO OCV position paper, Bi et al. Protection against cholera from killed whole-cell oral cholera vaccines...
WASH Coverage in hotspots: 50% of national WASH coverage; assumes 5–7 years linear ramp up to 80% WASH in hotspots	JMP 2015 data Planning to review IHME district data as ¹³ sanity check

KEY ASSUMPTIONS AND SOURCES OF DATA CONT

Key Assumptions	Data Sources / Comments
WASH Capital Costs: country specific, includes hardware and software	Hutton G, Varughese M. Costs of meeting the 2030 Sustainable Development Agenda targets on drinking water, sanitation and hygiene; Hutton G. Editorial: Can we meet the costs of achieving safely managed drinking-water, sanitation and hygiene services under the new sustainable development goals Feedback and input from countries
WASH O&M: Annual O&M costs estimated based on lifespan of hardware	ibid
Early Detection, CM, and Surveillance: 25% reduction in cholera burden	Expert opinion
Emergency Response: includes ORS, Emergency WASH, OCV and operational costs, deployment, surveillance	Expert opinion, IFRC cost estimates