

Summary of the survey: human health laboratory

Noppavan Janejai
National Institute of Health
Department of Medical Sciences
Ministry of Public Health, Thailand
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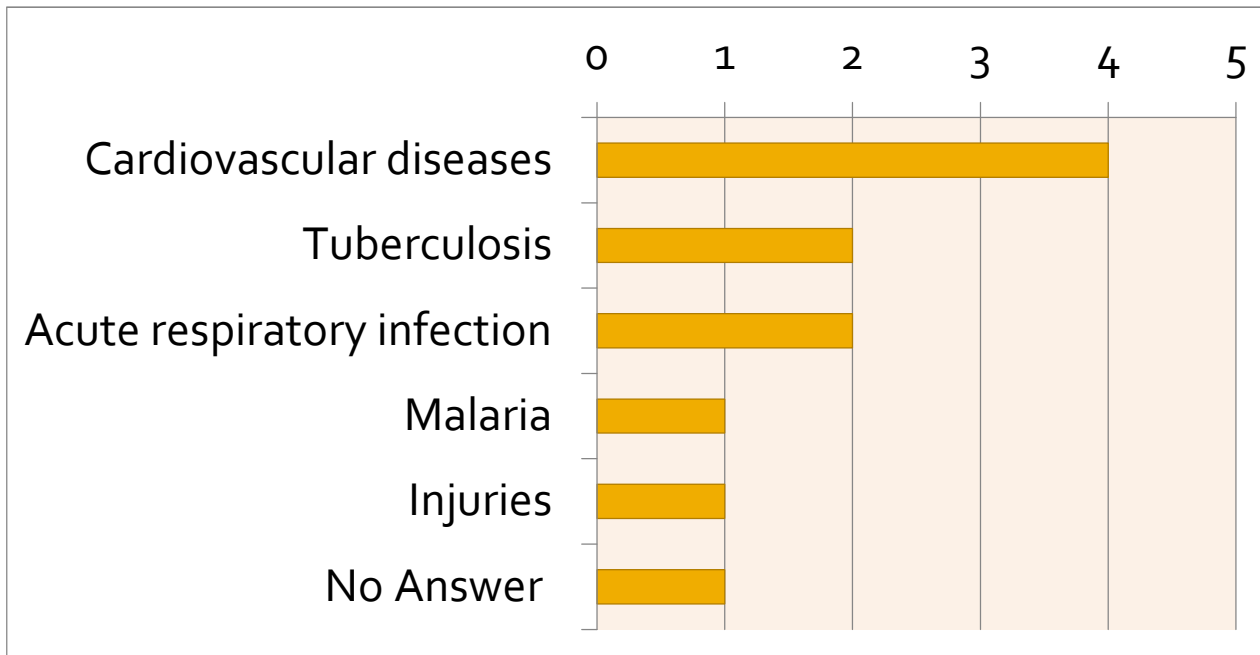
Survey form

- 1 for Human health sector and 1 for animal health sector
- The survey is developed from
 - action package target, indicators and 5-year action items
 - IHR assessment tool
- To assist participants in preparation for the workshop

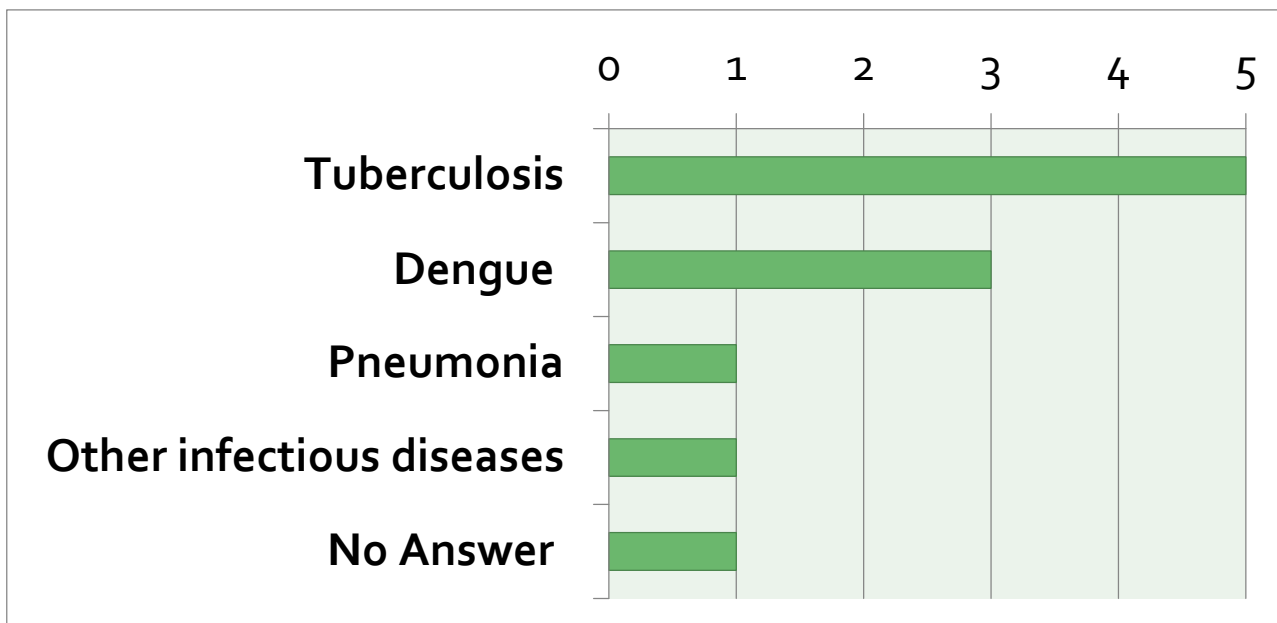
Human Health Lab: Participants

The Republic of the Union of Myanmar	Bhutan
The Lao People's Democratic Republic	Bangladesh
Thailand	Mongolia
The Socialist Republic of Vietnam	Brunei Darussalam
Malaysia	Philippines
Cambodia	Total=11

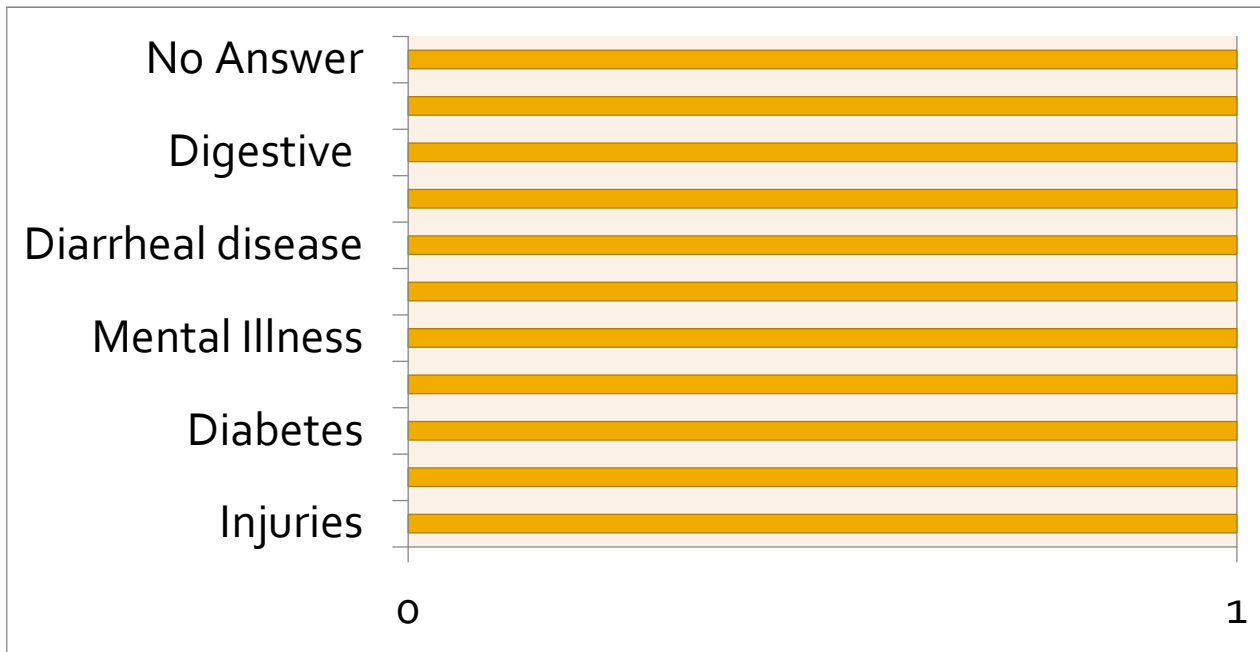
*All participants is from Public/Governmental sector



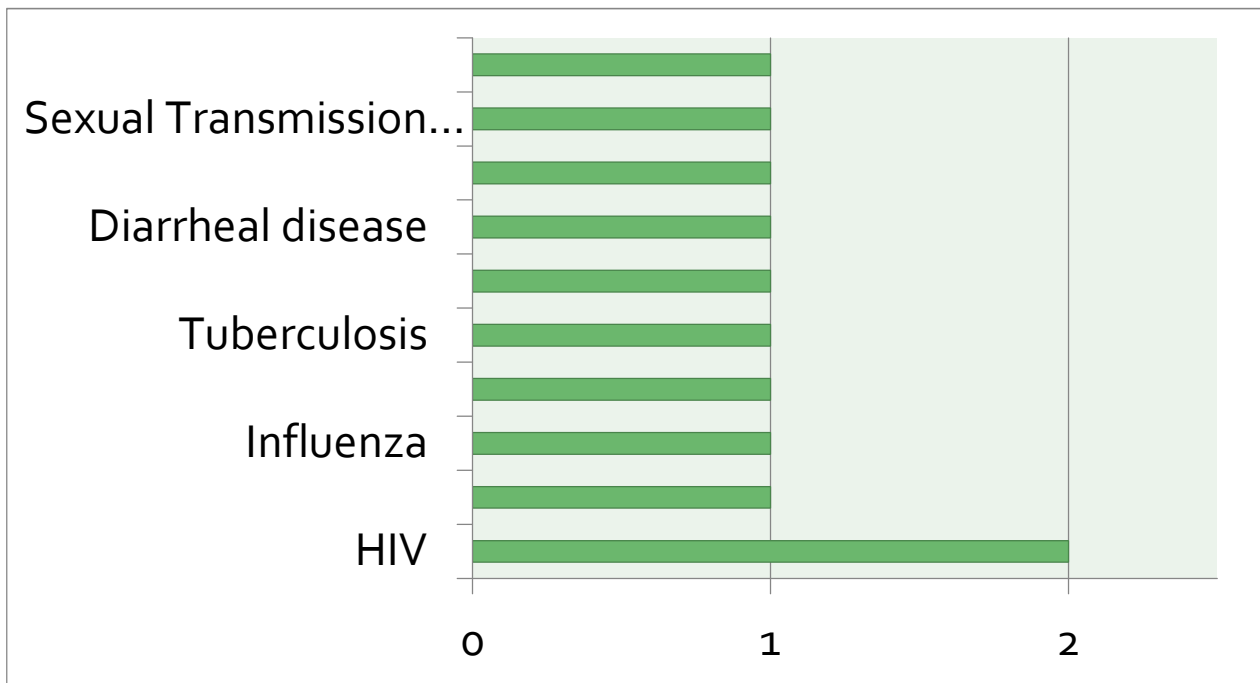
#1 Burden Disease



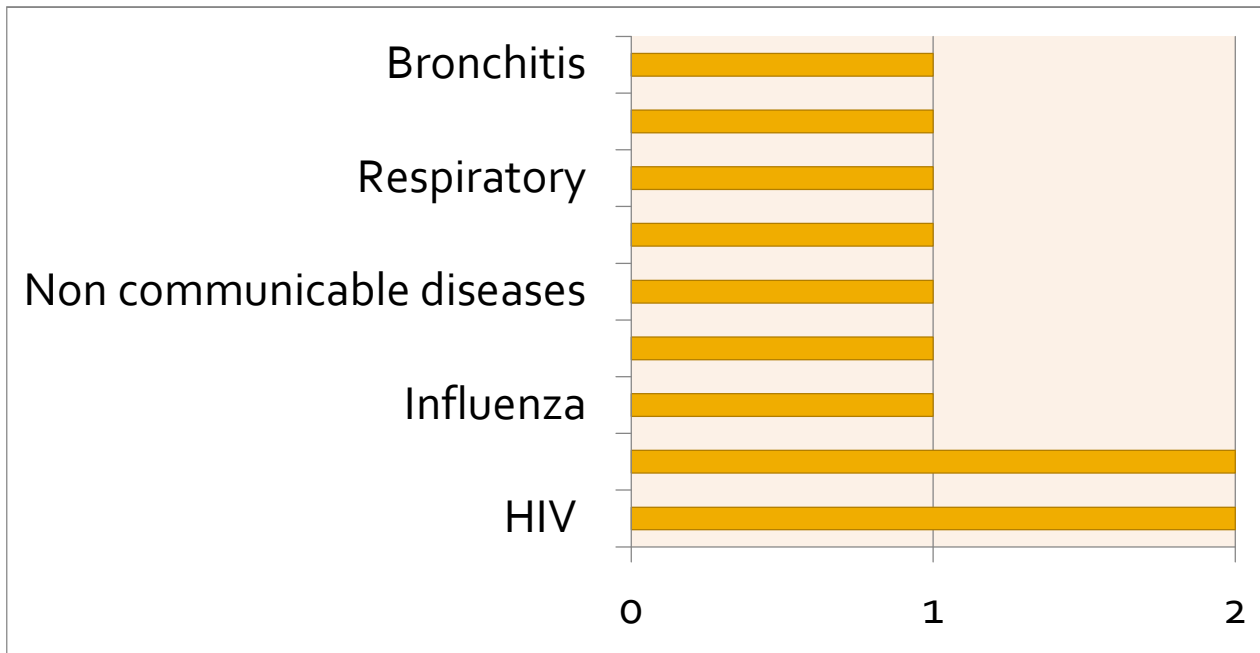
#1 Priority Infectious Disease



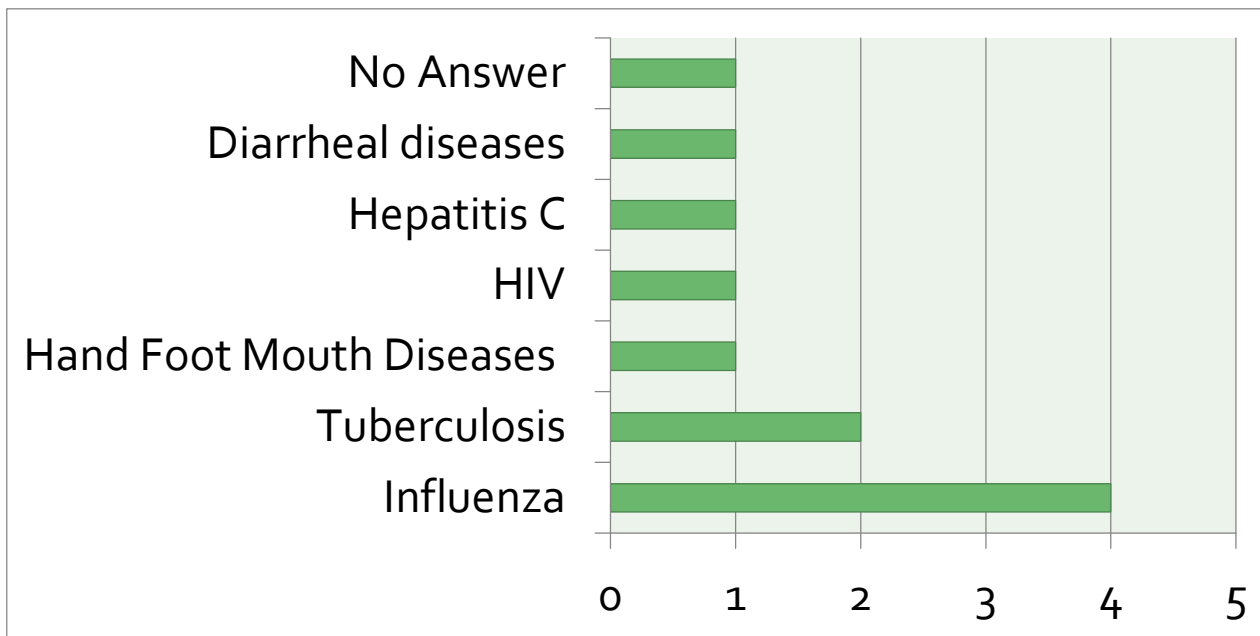
#2 Burden Disease



#2 Priority Infectious Disease

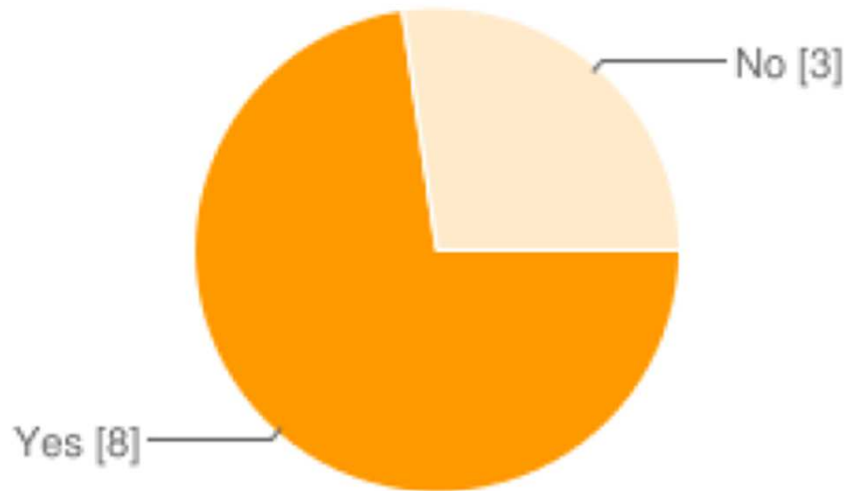


#3 Burden Disease



#3 Priority Infectious Disease

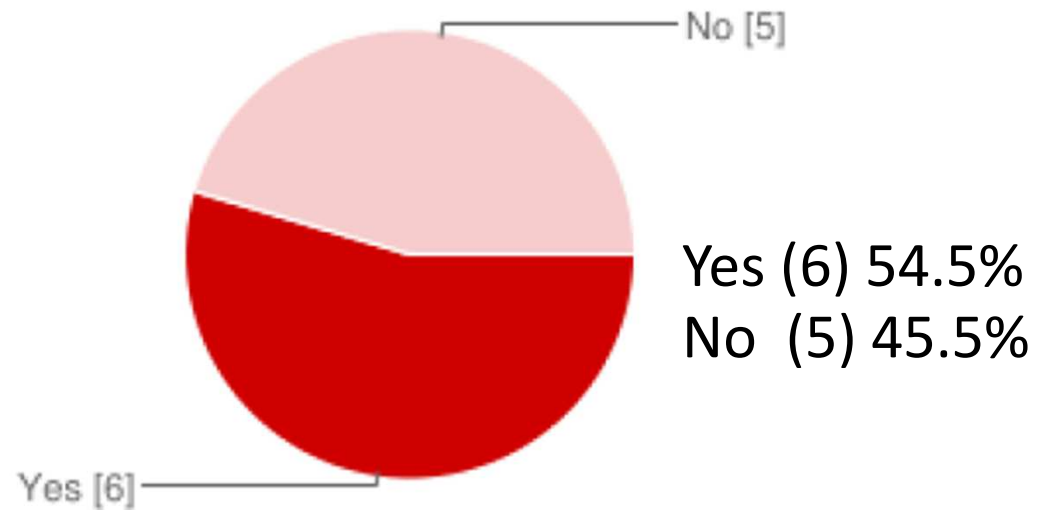
Is there a national policy for health laboratory services available?



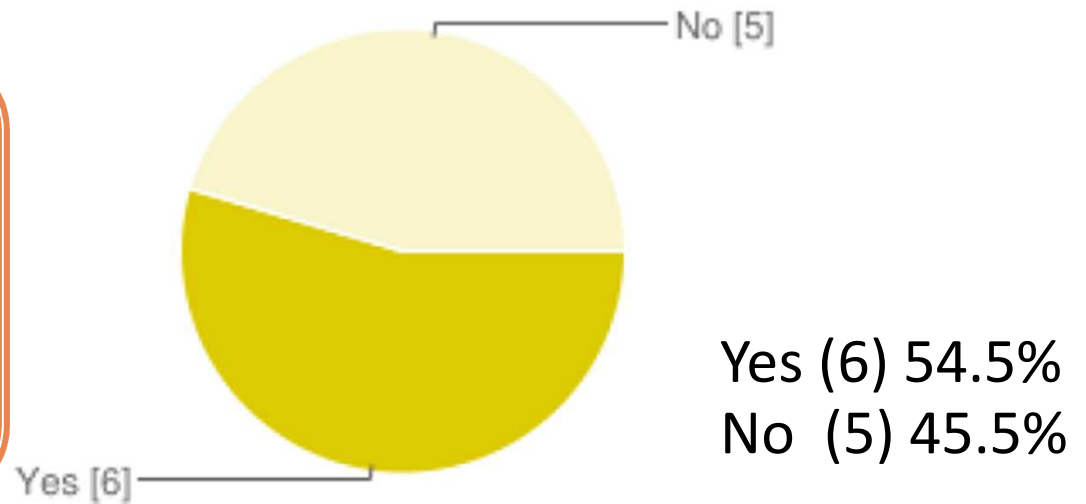
Yes (8) 72.7%
No (3) 27.3%

1. Quality system improvement (5)
2. Efficiency and effectiveness (2)
3. Networking (2)
4. Research on new technology (1)
5. Strengthen organization and management system (1)
6. Legal environment improvement (1)
7. Improve quality of life, life expectancy and enjoy longevity of life, free from disease (1)
8. Lab capacity improvement (1)

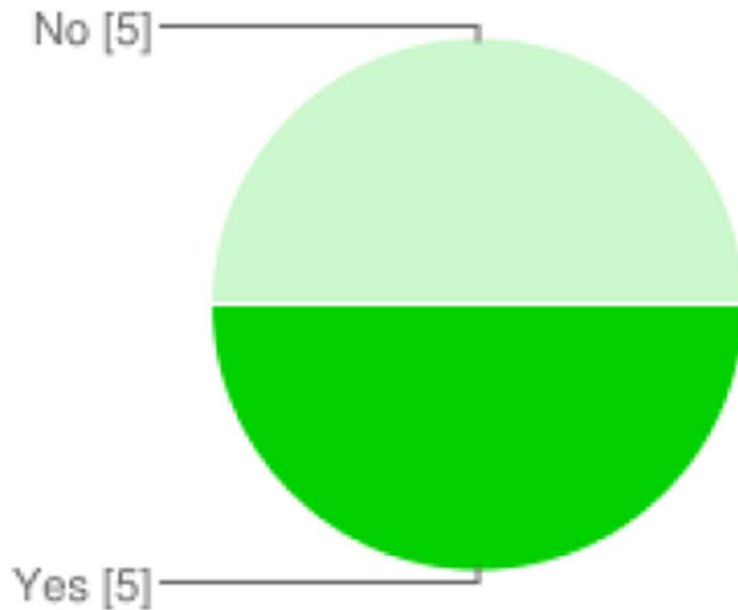
Is there a policy to ensure the **quality of laboratory** diagnostic capacities ?



Are regulations, policies or strategies for **laboratory biosafety/biosecurity** available?



Has your country fully implemented IHR 2005?



Yes (5) 50%

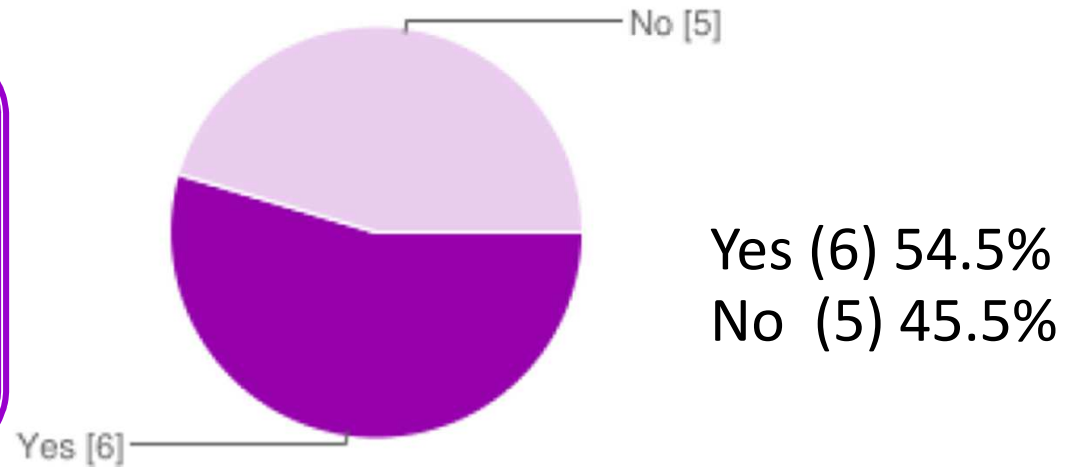
No (5) 50%

* No answer 1

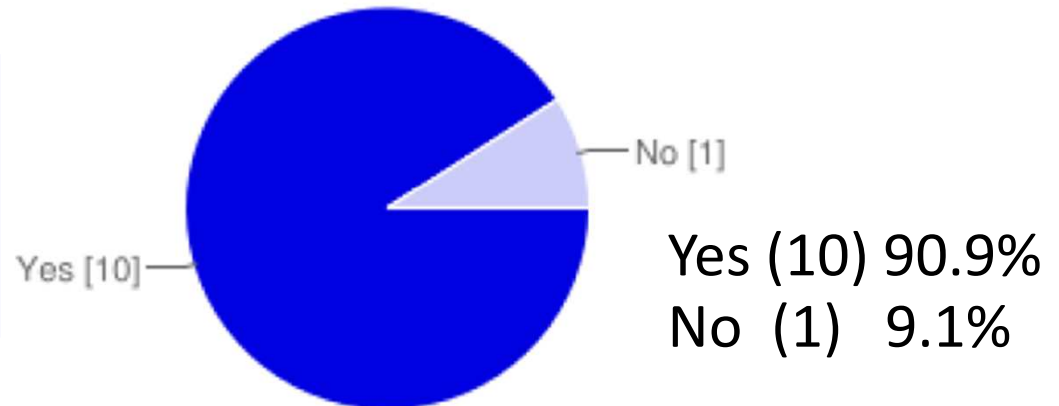
What are problems that hinder IHR 2005 implementation?

- Core capacities building on Point-of-entry is weak
- Weak preparedness for the response to chemical and radiation events
- Human resources
- Lab capacity
- Legislation and law on communicable diseases
- Slow progress on implementation

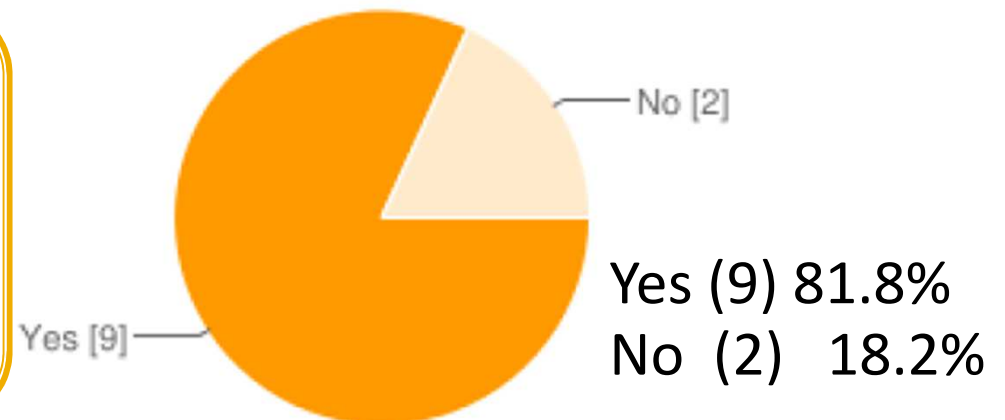
Does your country have a legislative framework on health laboratory?



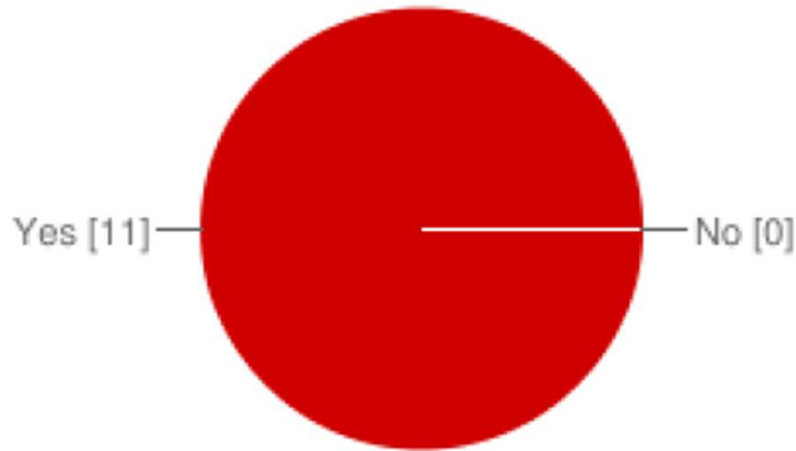
Are national laboratory quality standards/guidelines available?



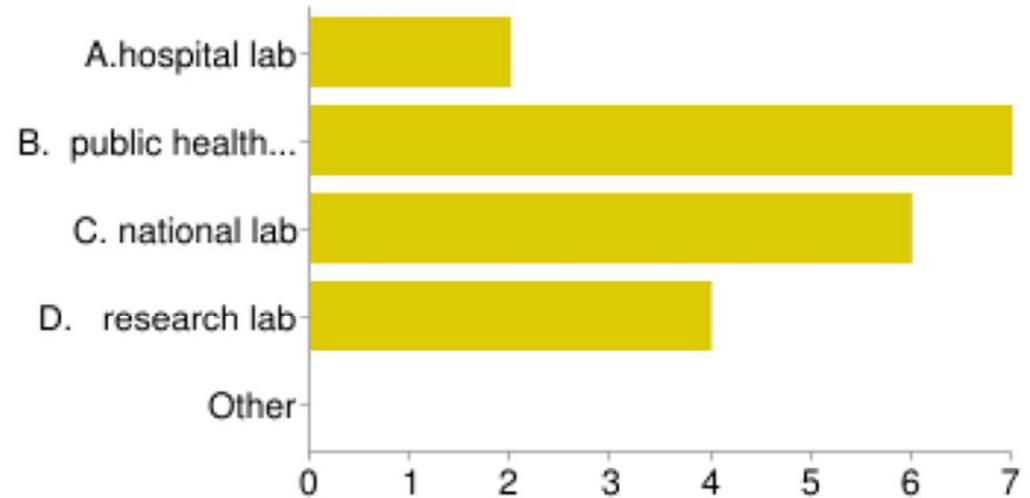
Is an up-to-date and accessible inventory of public and private laboratories with relevant diagnostic capacity available?



Can the laboratory in your country perform polymerase chain reaction (PCR) testing for influenza virus ?

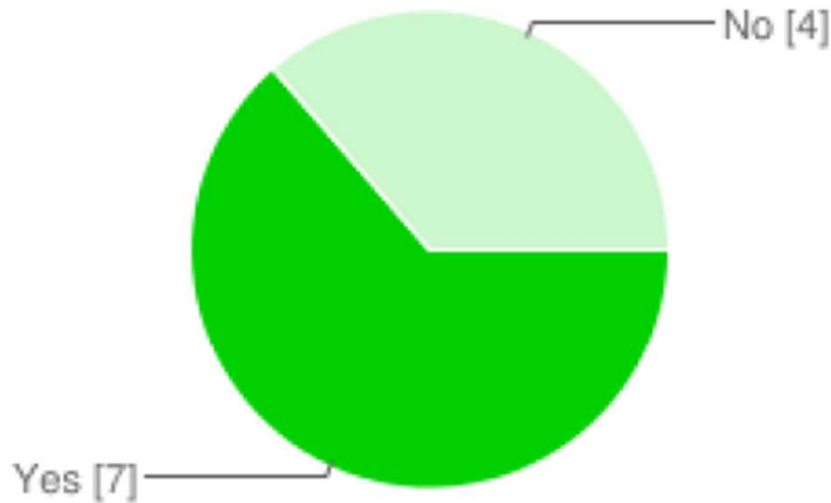


Yes (11) 100%
No (0) 0%

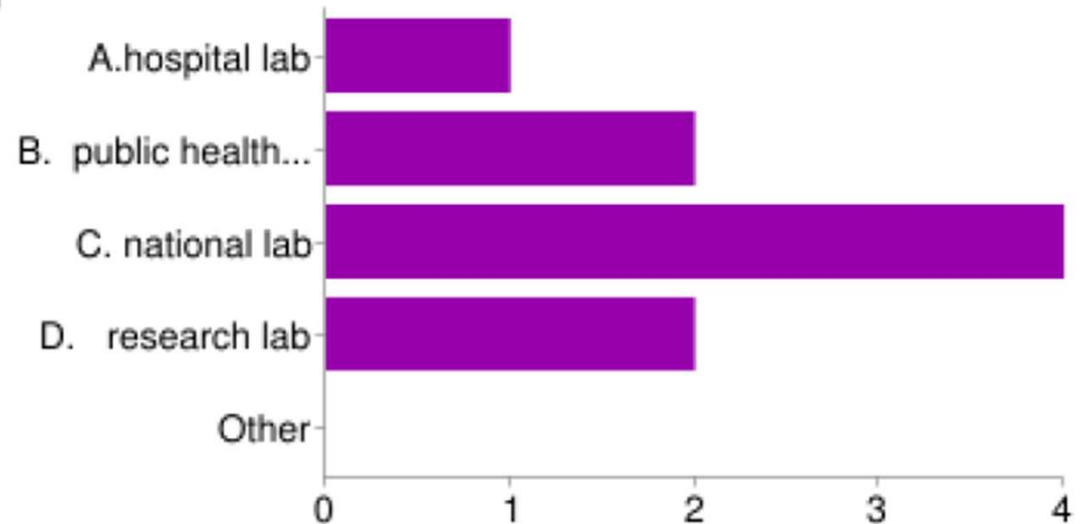


A. hospital lab	2	20%
B. public health/ reference lab	7	70%
C. national lab	6	60%
D. research lab	4	40%
Other	0	0%

Can the laboratory in your country perform virus culture for poliovirus?

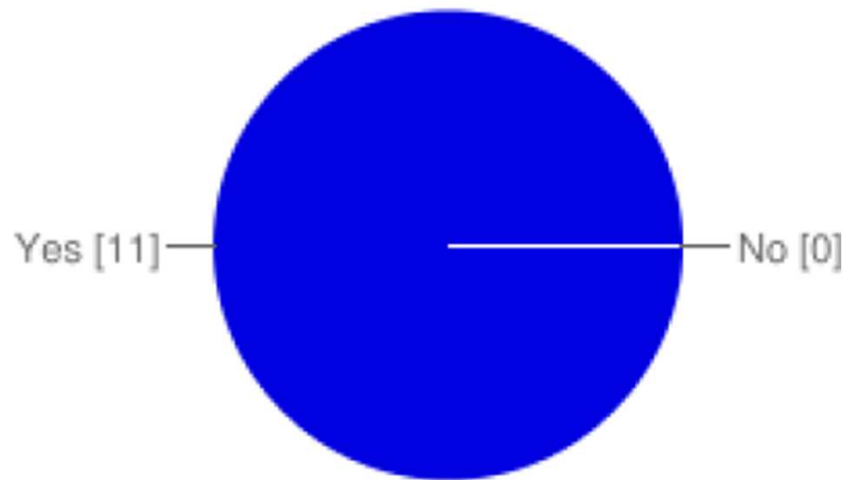


Yes (7) 63.6%
No (4) 36.4%

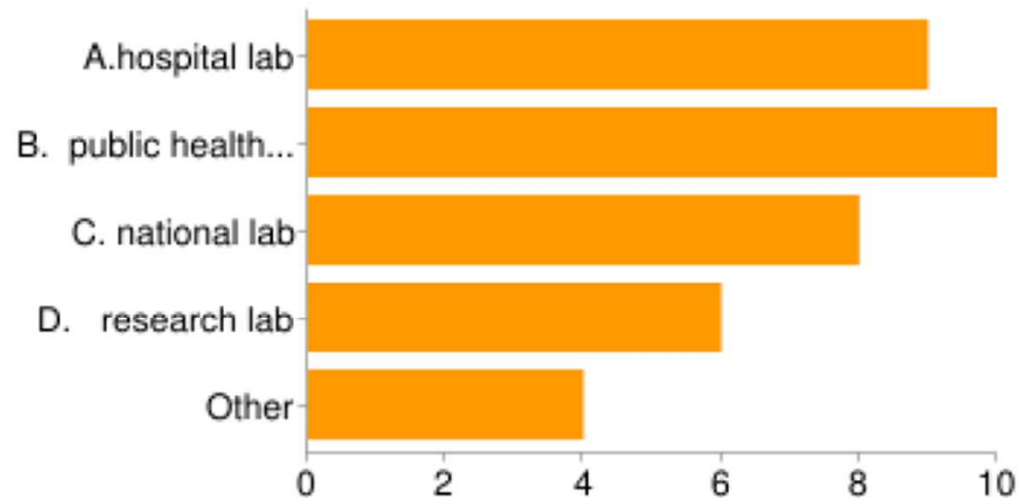


A. hospital lab	1	14.3%
B. public health/ reference lab	2	28.6%
C. national lab	4	57.1%
D. research lab	2	28.6%
Other	0	0%

Can the laboratory in your country perform serology for HIV ?

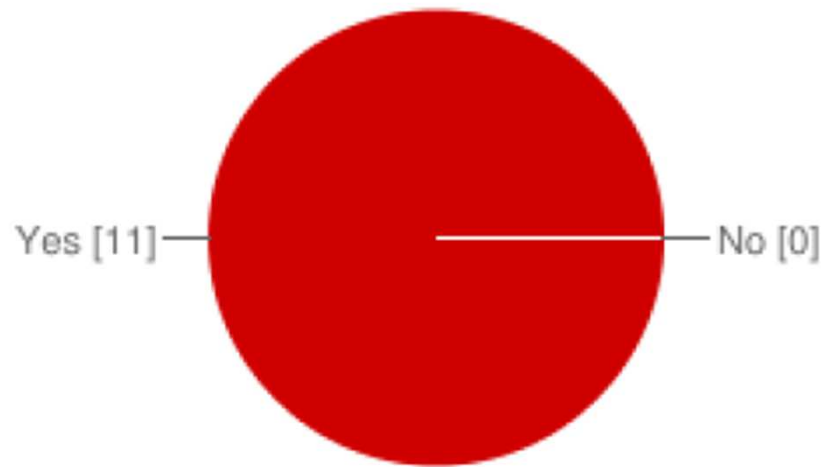


Yes (11) 100%
No (0) 0%

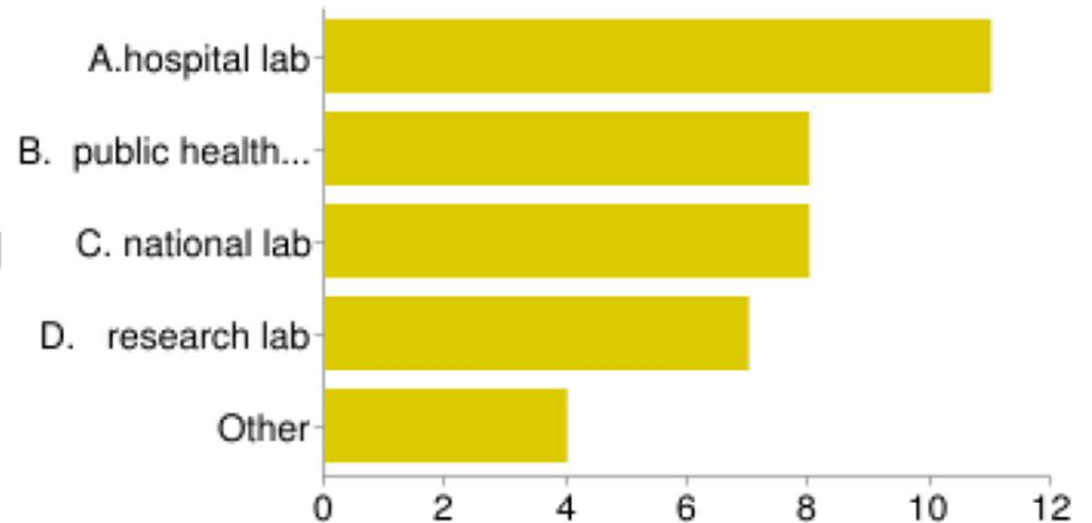


A. hospital lab	9	81.8%
B. public health/ reference lab	10	90.9%
C. national lab	8	72.7%
D. research lab	6	54.5%
Other	4	36.4%

Can the laboratory in your country perform microscopy for *Mycobacterium tuberculosis*?

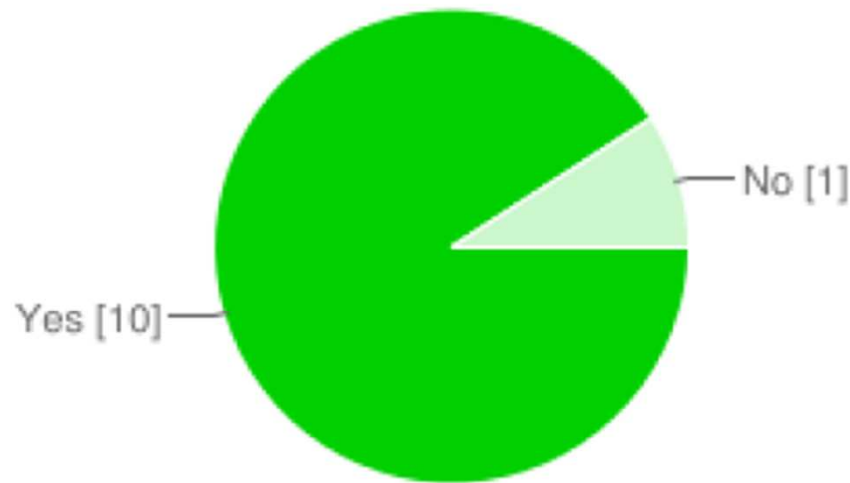


Yes (11) 100%
 No (0) 0%

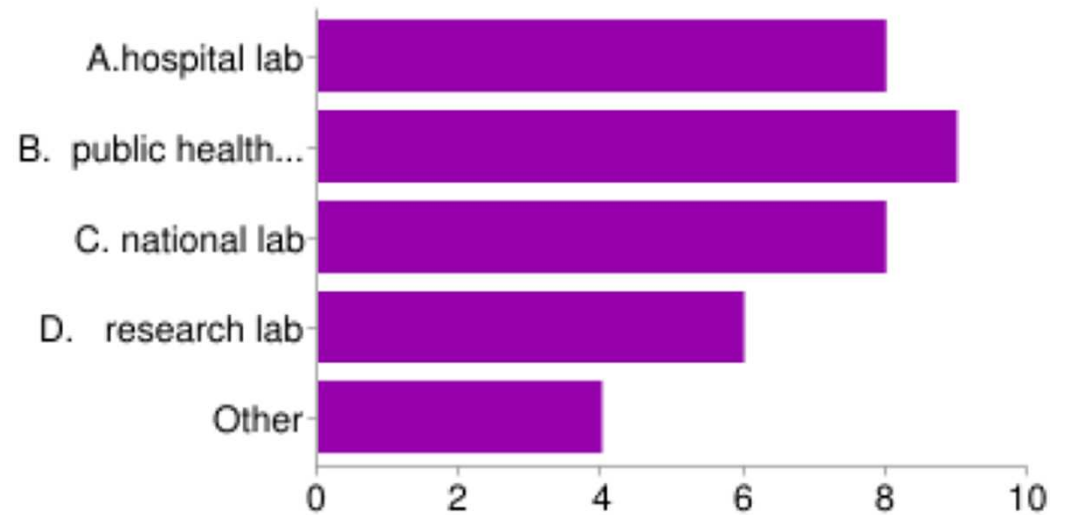


A. hospital lab	11	100%
B. public health/ reference lab	8	72.7%
C. national lab	8	72.7%
D. research lab	7	63.6%
Other	4	36.4%

Can the laboratory in your country perform rapid diagnostic testing for *Plasmodium spp.* ?

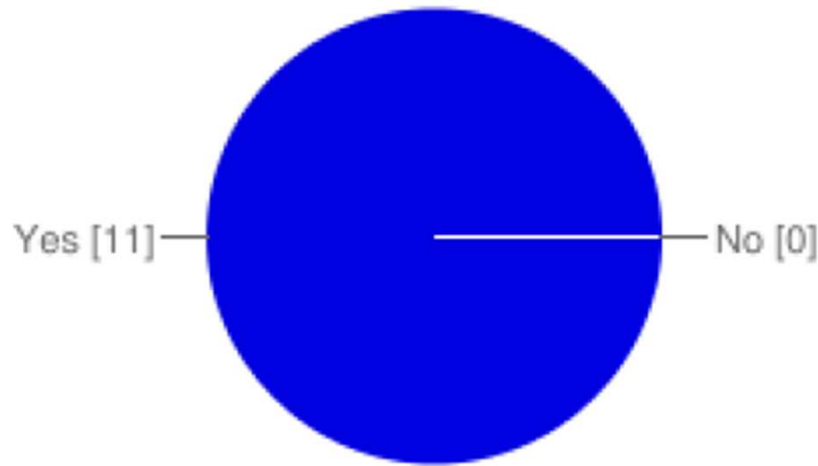


Yes (10) 90.9%
No (1) 9.1%

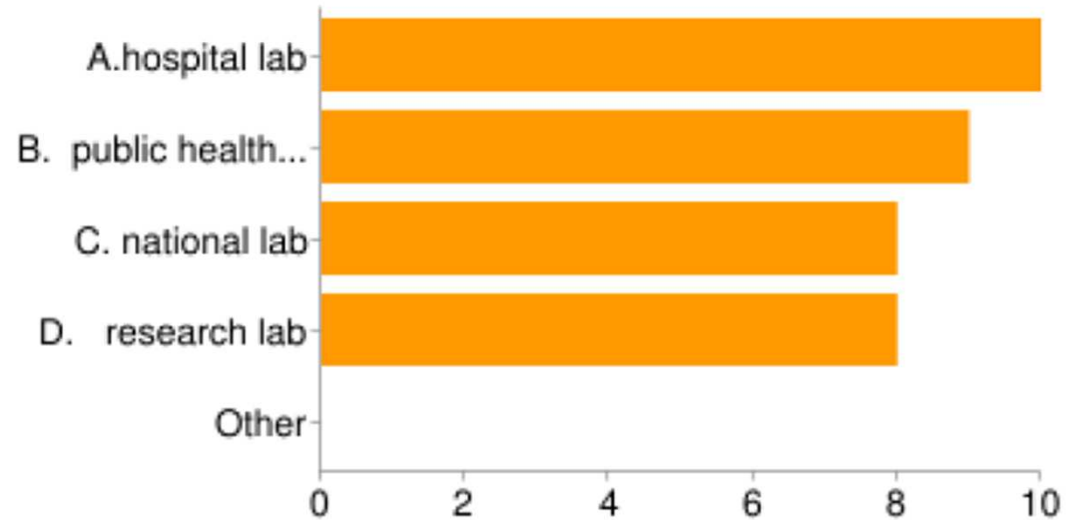


A. hospital lab	8	80%
B. public health/ reference lab	9	90%
C. national lab	8	80%
D. research lab	6	60%
Other	4	40%

Can the laboratory in your country perform bacterial culture for *Salmonella Typhi* ?

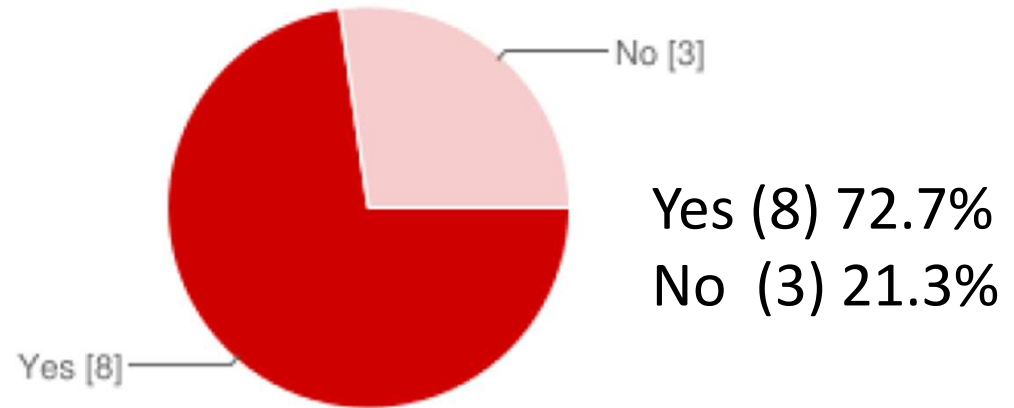


Yes (11) 100%
No (0) 0%

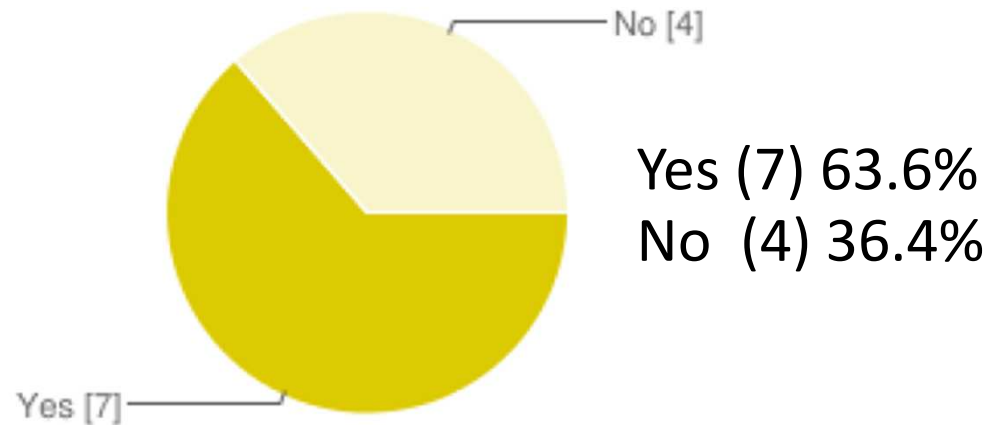


A. hospital lab	10	90.9%
B. public health/ reference lab	9	81.8%
C. national lab	8	72.7%
D. research lab	8	72.7%
Other	0	0%

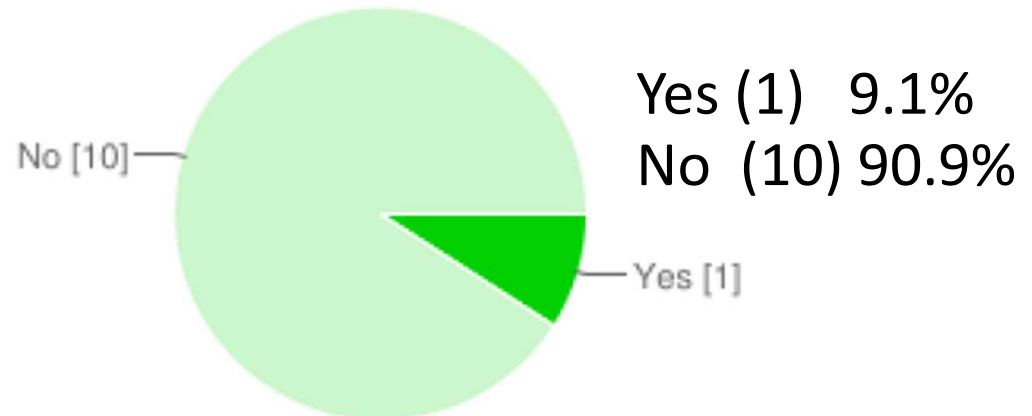
Have the national /reference laboratories got accreditation?



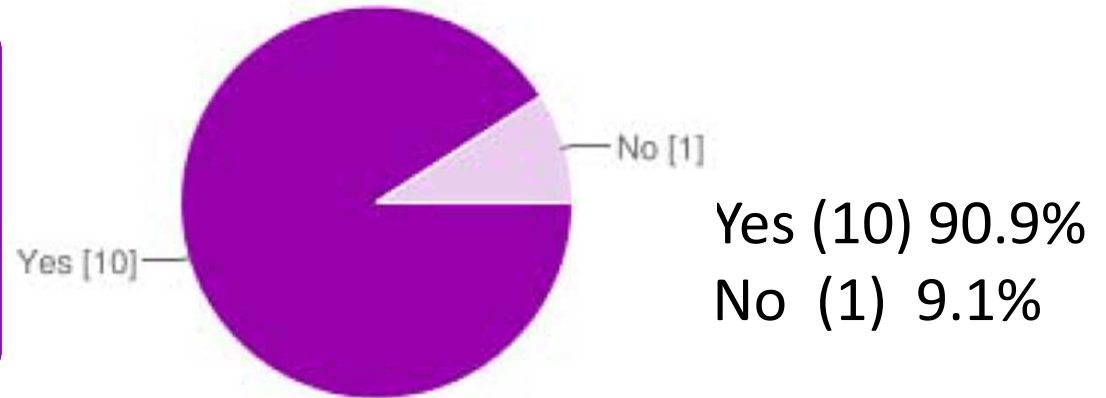
Is the BSL-3 laboratory available in your country?



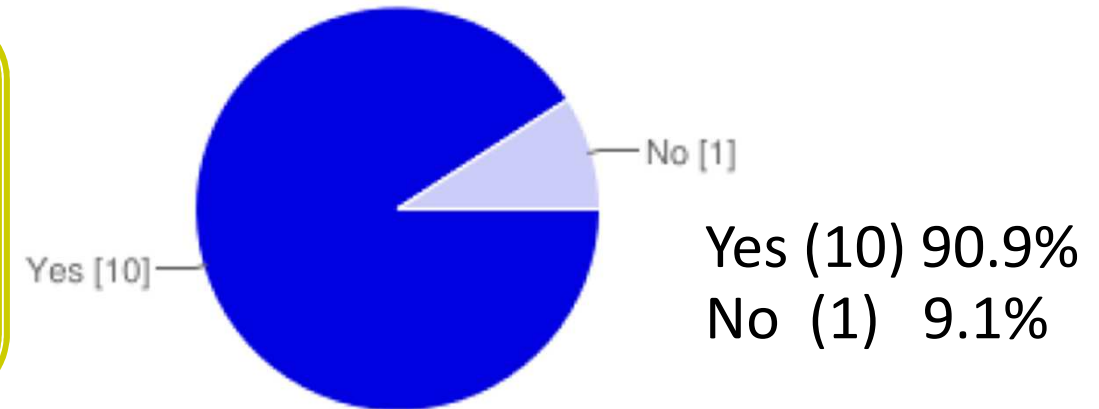
Is the BSL-4 laboratory available in your country?



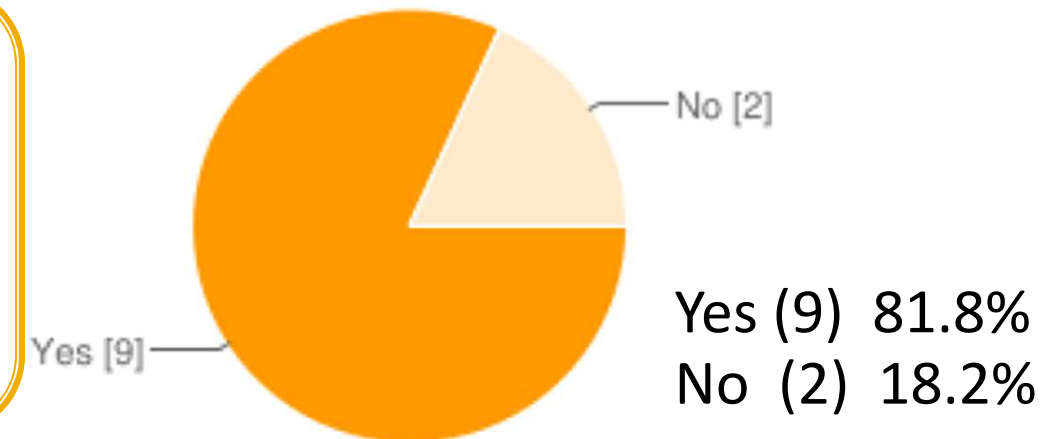
Are the laboratories organized in a tiered system with different levels of functions?



Does the country have specimen referral system of infectious specimen to reference laboratories?



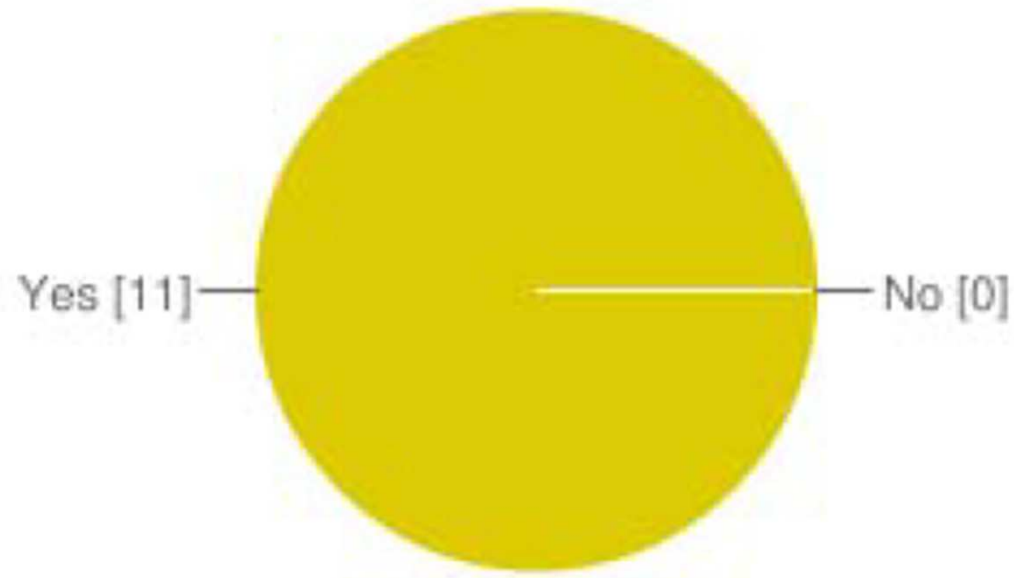
Does your country have WHO designated reference laboratories for specific pathogens/diseases?



Priority Ranking of the GHSA Area

Priority Level	Area
High	<ul style="list-style-type: none">- National Policy- Biosafety and Biosecurity- Information system
Moderate	<ul style="list-style-type: none">- Lab Networking (human-animal)- Specimen Referral- Quality system- Human resource improvement
Low	<ul style="list-style-type: none">- Point-of care testing- Sustainable access of reagents/media for diagnostics in national/regional

Is the five-year target of the action package detect-1 achievable for your country?



<u>Yes (11)</u>	<u>100%</u>
No (0)	0%

Acknowledgement

- Professor Htay Htay Tin
- Dr Phengta Vongphachanh
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- Dr. Krishnar P. Sharma, MD
- Prof. Dr. Shaila Hossain
- Amarjargal Yadam Rashida Pehin Ahmad
- Dr. Ma. Cecilia Ama

