Poster number P1-L20



Evaluation of malaria surveillance in government health facilities under Integrated Disease Surveillance Program in six districts of Chhattisgarh, India, 2023

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Background

2/3 Malaria cases in Southeast Asia contributed by India

Rationale



Sensitivity of system in 2019

New Information



Descriptive cross-sectional study | May 2023

Probable case definition: Fever & any two of the following symptoms: chills, sweating, jaundice, convulsions, coma, shock, splenomegaly, pulmonary edema, or death

Lab-test criteria: Slide microscopy (Parasite) OR antigen-detecting Rapid Diagnostic Tests +ve

6 districts of state Chhattisgarh Reporting units

Methods



Centers for Disease Control (CDC) surveillance system guidelines



Data source

1. Surveillance data reporting portal: IHIP 2. Facility records: P & L forms

Description Attributes

Ability to detect patterns Usefulness Ability to capture cases Sensitivity from register Complete & valid entries in Data Quality IHIP



Evaluate the malaria surveillance system under IDSP in six districts of Chhattisgarh, India, in May 2023



To capture cases timely Timeliness (<24hours)

Acceptability To report consistently



Data collection tool

Abstraction sheet from registers and IHIP

Malaria surveillance system underestimates burden and



L-forms

29% (3,334/11,510)

P-forms

potential outbreaks

Surveillance System Flow

Feedback

District/ State/ Central Surveillance Unit Real-time monitoring in dashboard

Collation & Analysis Automated collation & key

indicators \rightarrow IHIP dashboard

Collection Probable: P-form Lab-confirmed: L-form



Entry from register to IHIP		72% (2,461/3,418)	L-forms	L-form 81.8			Overall 2% (2,461/3,418)		100% ^(84/84) L-forms
Entry froi	n register to IHIP	100% completeness: Key variables	72% (2,377/3,334)						77% (2,554/3,334)
C	onclusion			Recon	nmendations				
- OW -	Case Reporting Missing outbreaks	 Malaria surveillance system is acceptable and limits sensitivity and data validity 			 Supportive supervision and regular training for entry in surveillance system 				
sensitivity	y Testing Reporting Blood examination rates underestimation	2. Include private health facilities in future evaluations			5. Quality improvement initiatives to address setting specific issues				
		3. Explore reasons for low reporting							NQA

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