

Improving Data Quality: Global Perspective



World Health
Organization

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Why Do We Want Good Quality Data?

- Vaccination Coverage
 - Who is and isn't being vaccinated
 - Identify problems
 - Target improvement
- Surveillance
 - Burden of disease
 - Who, Where, When are they being infected
 - Impact of vaccination
 - Outbreak response



Definition

Immunization, VPD surveillance, and AEFI data are of “good quality” if they reflect the status of an immunization programme correctly and completely, and if they help managers and health workers to take timely actions to optimize the performance and impact of the programme.



Spot the Potential Data Quality Issue

ID	Date of Birth (dd/mm/yyyy)	Date of Rash (dd/mm/yyyy)	Date of MCV1 (dd/mm/yyyy)
ABC-DEF-GHI-221	02/01/2015	15/12/2014	
ABC-DEF-GHI-345	30/10/2015	01/09/2016	08/02/2016
ABC-DEF-GHI-221	02/01/2015	15/12/2015	
ABC-DEF-GHI-521	03/01/2015	03/01/2015	31/12/2015
ABC-DEF-GHI-522	07/06/2015	12/30/2015	



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Child
only 3
months
of age



Spot the Potential Data Quality Issue

	Fever	Rash	Cough	Conjunctivitis	Coryza	Laboratory testing	Classification
ABC-DEF-GHI-123	Y	Y	Y	N	N	Measles IgM+	Lab confirmed measles
ABC-DEF-GHI-124	1	Y	0	0	1	Positive	measles
ABC-DEF-GHI-125	Y	Y	N	Y	Y	Measles IgM+	Clinically compatible measles
ABC-DEF-GHI-126	Y	Y	Y	N	N	Measles IgM-	Lab confirmed measles
ABC-DEF-GHI-127	N	Y	N	N	N		Clinically compatible measles



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