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Introduction

- Rubella is a viral disease with usually mild symptoms
- Cause for congenital rubella syndrome (CRS)
- The Americas only region in the world that achieved rubella elimination
- Rubella targeted for elimination in Saudi Arabia by 2020

Objectives

- Determine incidence of rubella and CRS in Saudi Arabia from 2013 – 2015
- Assess the distribution of rubella cases by person-related characteristics and geographic regions

Methods

- Secondary data analysis of 3,193 cases of febrile rash illness reported From 2013 to 2015
- Dataset obtained from the Expanded Program for Immunization, Directorate of Infectious Diseases Control, Saudi Ministry of Health

Rubella & Pregnancy

Results

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- No cor Incider cases
- popula 0.07 in
- Out of also for measle antiboo

Table 1. Descriptive epidemiology of confirmed rubella cases

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Age grou

Less t

1 to 4

5 to 19

20 to 3

35 to 4

Gender

Female

Male

Tescriptive Epidemiology of Rubella in Saudi Arabia: Progress Toward the 2020 Elimination Target 🕅

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nfirmed rubella cases
nfirmed CRS cases reported.
nce rate for confirmed rubella
was 0.22 per 100,000
ation in 2013, which dropped to
n 2014 and 0.02 in 2015
94 cases of rubella, 15 were
ound to be positive for the
es immunoglobulin M (IgM)
dy

Confirmed cases	%
5	5.3
40	42.6
19	20.2
22	23.4
8	8.5
47	50
47	50
	cases 5 40 19 22 8 47

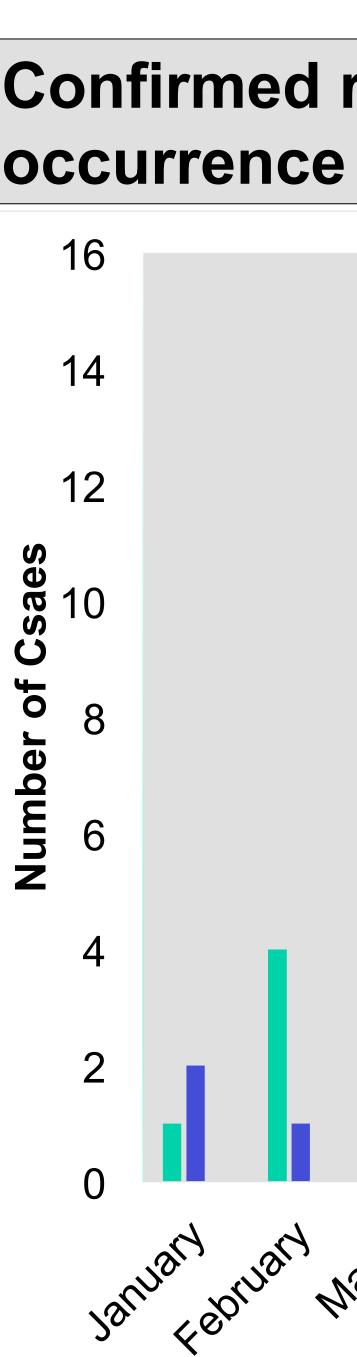


Table 2. Vaccination status of confirmed rubella cases		
Vaccination status	Confirmed cases	%
One MMR Dose	8	8.5
Two or more MMR Doses	1	1.1
Not Eligible	5	5.3
Not Vaccinated	48	51.1
Unknown	28	29.8
N/A	4	4.3



Confirmed rubella cases by year and month of Conclusion 2013 2014 2015 Recommendations Way JUN AUGUST ENDER OCTOPER NOER DER OCTOPER DER APrill June March **Reported Month**



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- Annual incidence of rubella in the Kingdom of Saudi Arabia was very low (less than 1/100,000 population), over the study period
- No cases of CRS reported
- Results provide encouraging evidence that elimination is attainable by the 2020 target

С	Maintain high population immunity
С	Rigorously analyze surveillance
	and vaccination coverage
С	Obtain accurate molecular
	epidemiology data from confirmed
	cases to assist in determining
	which isolates are endemic and
	which are imported
С	Target females of childbearing age
С	Conduct further studies to
	characterize rubella genotypes,
	vaccine coverage rate, and
	surveillance quality
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