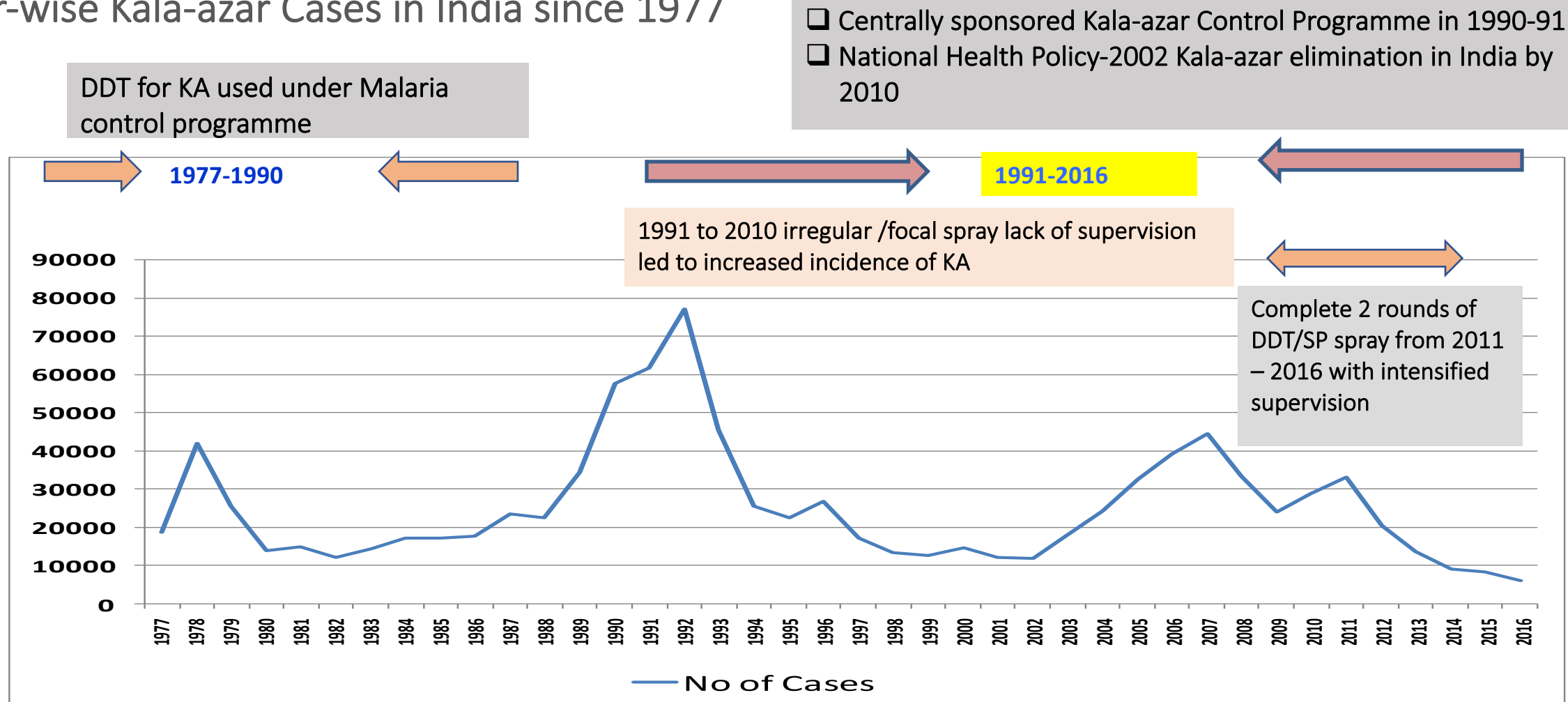


# **VL elimination progress in India: where and when will the target be reached ?**

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**Director**

**National Vector Borne Disease Control Programme**  
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Ministry of Health & Family Welfare  
Government of India  
23.04.2018

# Year-wise Kala-azar Cases in India since 1977



- ❑ In 2005, Bangladesh, India and Nepal, supported by WHO launched a regional kala-azar elimination initiative to reduce cases to a level where it is not a public health problem by 2015.
- ❑ Agreement signed by Hon'ble Ministers on 9<sup>th</sup> Sep. 2014 to make the SE Asia region including Bhutan and Thailand free of VL by 2017

# Kala-azar endemic states

6 districts  
22 blocks  
Pop. – 11.0 million



**Kala-azar Area**

33 districts,  
458 blocks  
Pop. – 62.3 million



Jharkhand

4 districts, 33  
blocks  
Pop: 5.3 million

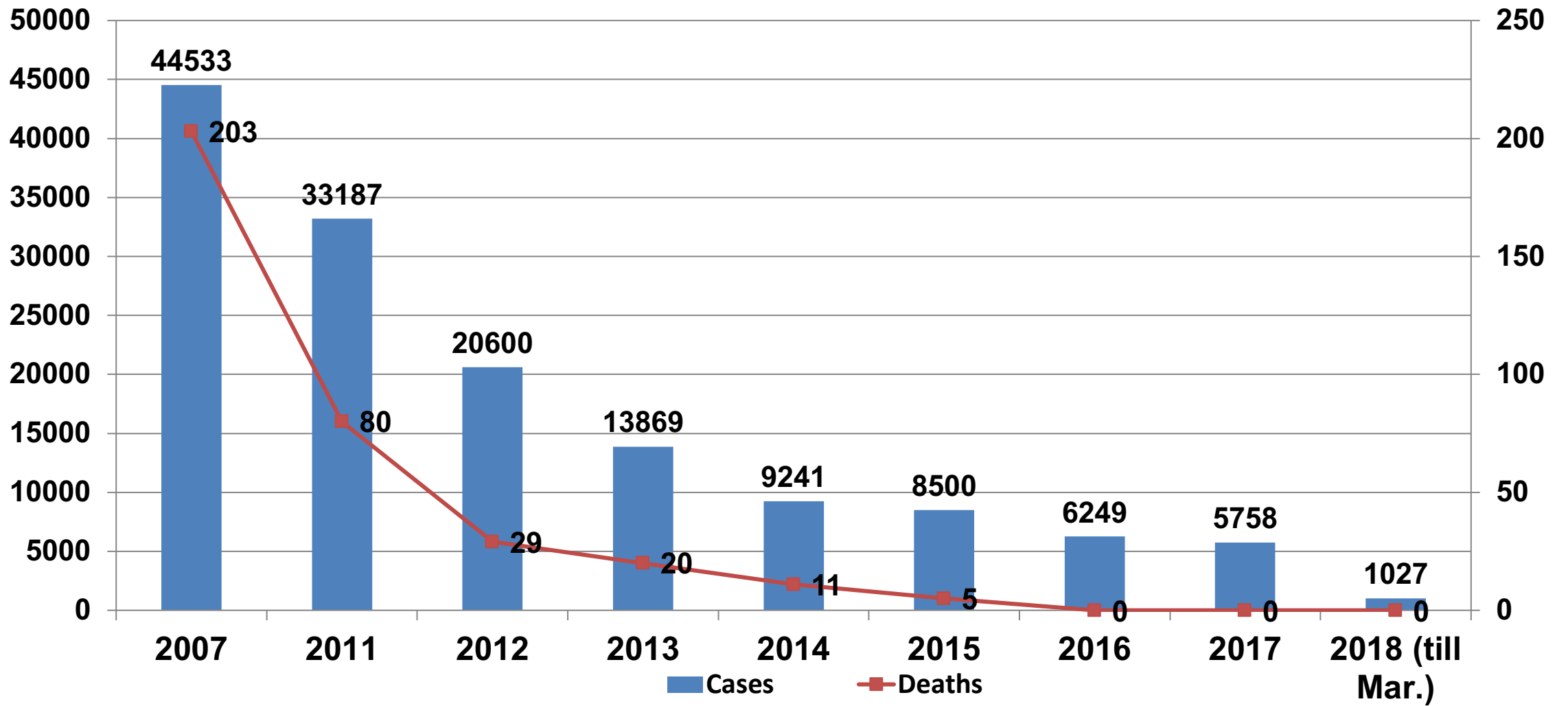


West  
Bengal

11 districts  
120 Blocks  
Pop. – 50 million



- Sporadic cases in other states- Assam, Delhi, HP, MP, Punjab, Sikkim, Uttarakhand



- 1431 KA cases were reported during 2017 till March (28.2% reduction).

# Progress towards elimination

## Comparative Block Level KA Elimination Status

		2016		2017	
State (Districts)	Number of Endemic Blocks	Number of Blocks with Cases < 1/10,000 Pop.	Number of Blocks with Cases > 1/10,000 Pop.	Number of Blocks with Cases < 1/10,000 Pop	Number of blocks with > 1/10,000 Pop. Cases
<b>Bihar (33)</b>	458	390 (85%)	68 (15%)	411 (89.7%)	47 (10.3%)
<b>Jharkhand (4)</b>	33	9 (27%)	24 (73%)	8 (24%)	25 (76%)
<b>West Bengal (11)</b>	120	118 (98%)	2 (2%)	120 (100%)	0
<b>UP(6)</b>	22	22 (100%)	0	22(100%)	0
<b>Total</b>	<b>633</b>	<b>539 (85%)</b>	<b>94 (15%)</b>	<b>561 (88.6%)</b>	<b>72 (11.4%)</b>

# The Three Ones for Kala-Azar Elimination

- ★ One standardized service delivery package
- ★ One authority and one division of labour
- ★ One monitoring & evaluation system

# Implementation science agenda

Determining optimal vector control  
strategies



Stand-alone surveillance system or horizontal  
integration of disease programs ?

Towards elimination of visceral leishmaniasis :  
translating research to practice

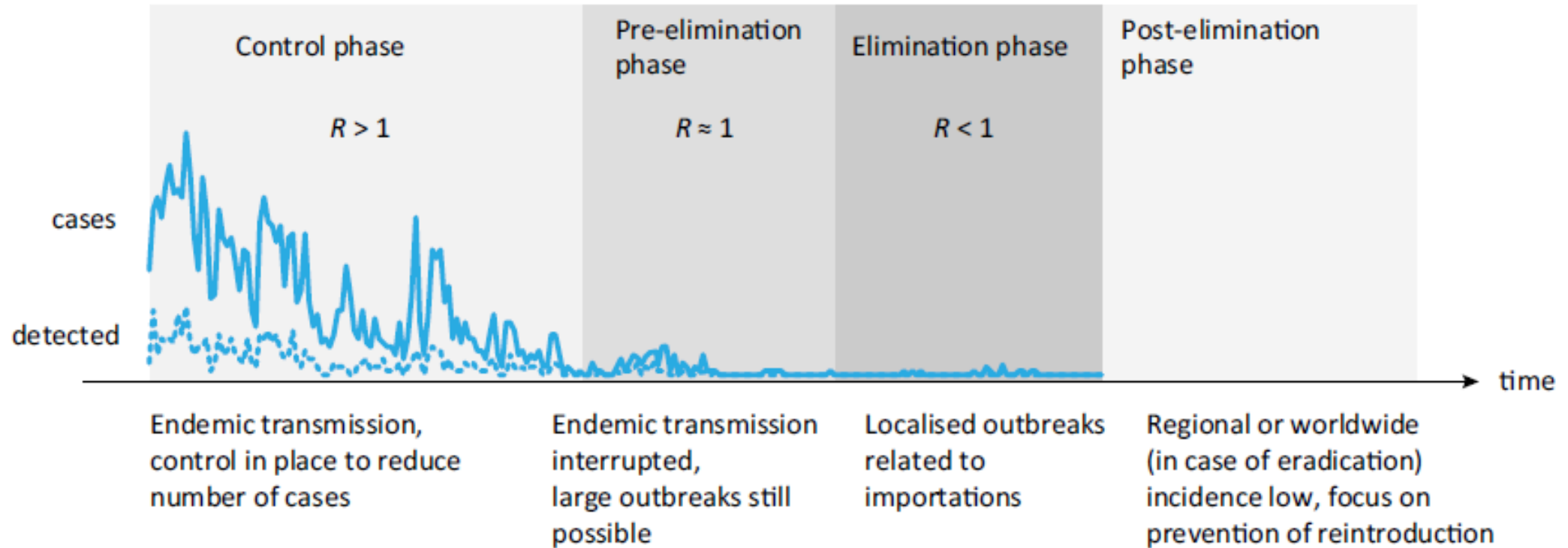
# Mathematical modeling

# Projections of block-level incidence : Bihar



Courtesy :Lloyd Chapman

## *...on the path to Elimination*



*THANK YOU*