

WHEN TO STOP *IRS*



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Joint Director

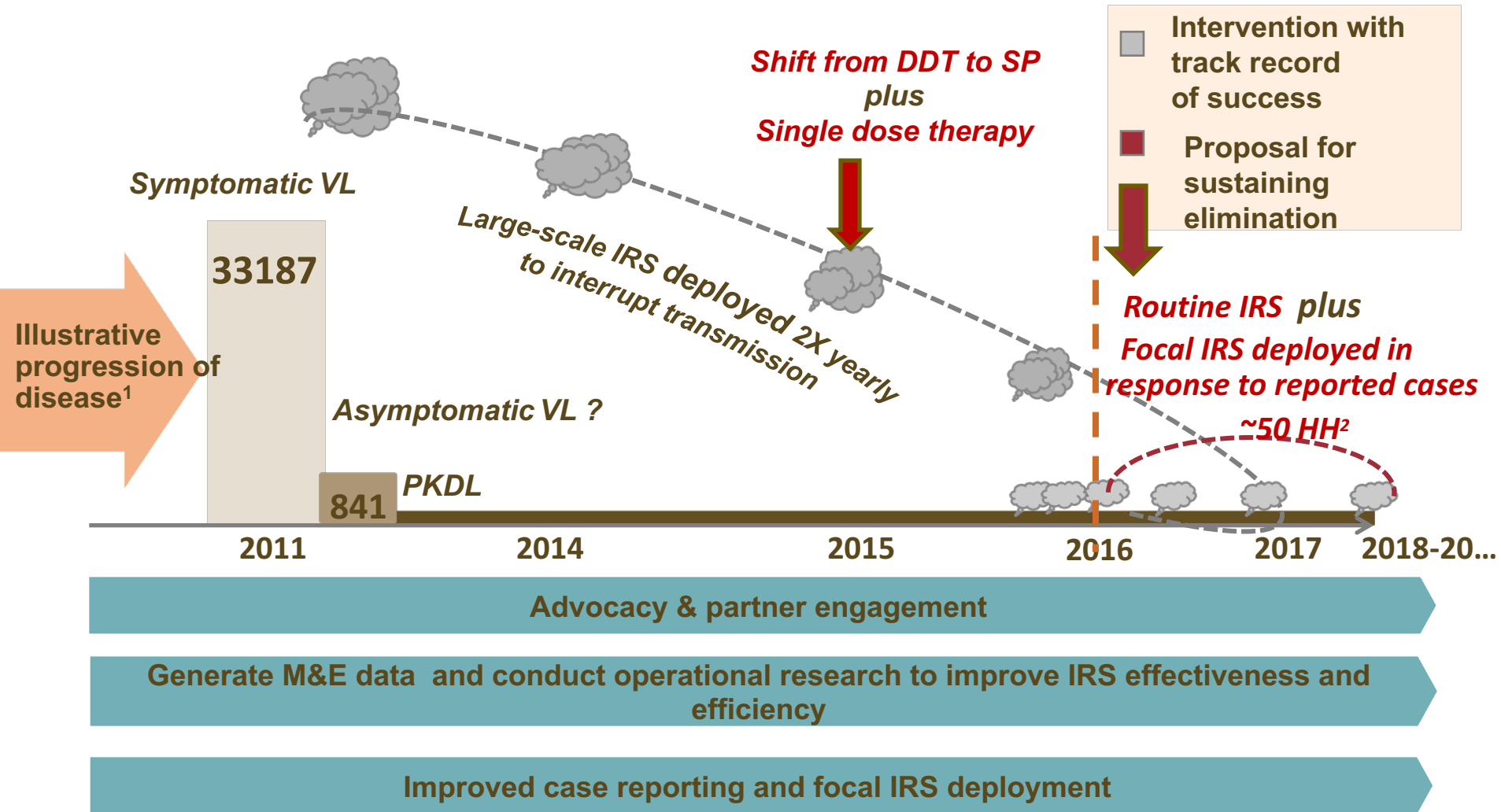
**National Vector Borne Disease Control Programme
(Directorate General of Health Services)**

**Ministry of Health & Family Welfare
Government of India
3-5th November 2016**

When to Stop *IRS*

- As per National Health Policy (2002)- Kala-azar elimination slated for 2010 and subsequently revised to 2015
- Pentilateral MoU signed in 2014 by India, Nepal, Bangladesh, Bhutan and Thailand envisage elimination on or before 2017

Sustainable elimination



¹ Height = relative prevalence in population; Width = relative length of a person may be in or at-risk of the disease condition

² Estimated 50 HH to be treated in response to each of 1 case reporting triggers: ~ 50 HH

Summary of perspective

- 1. Near term, we believe large scale IRS is capable of getting VL in Endemic states below the 1 case per 10,000 goal**
 - Programme contributions will be focused on generating impact, measurement & evaluation data for IRS and conducting operations research
 - Stakeholders support through the funding of technical and programmatic assistance for IRS, IEC/BCC and HR
- 2. In the long-term, we believe sentinel VL case reporting can be used to target **reactive IRS** to prevent re-emergence**
 - Programme contributions will be focused on improving the case reporting system, which will need to include geographic mapping of cases
 - Will rely on our partners to use the sentinel case reporting as a guide for focal IRS response

Challenges are - *adoption of preferred treatment protocols, the development of vaccine, diagnostic and novel vector control tools and a deeper understanding of infection transmission*

When to Stop *IRS*

- Continue routine sprays of insecticide *twice* a year with quality monitoring until there are no traces of the disease
- After reaching that target, the aim is to ensure *zero transmission* of the disease through targeted sprays to avoid its resurgence

THANKS...

Years wise Kala-azar Cases - India 2011-2015

DDT for KA used under Malaria control programme

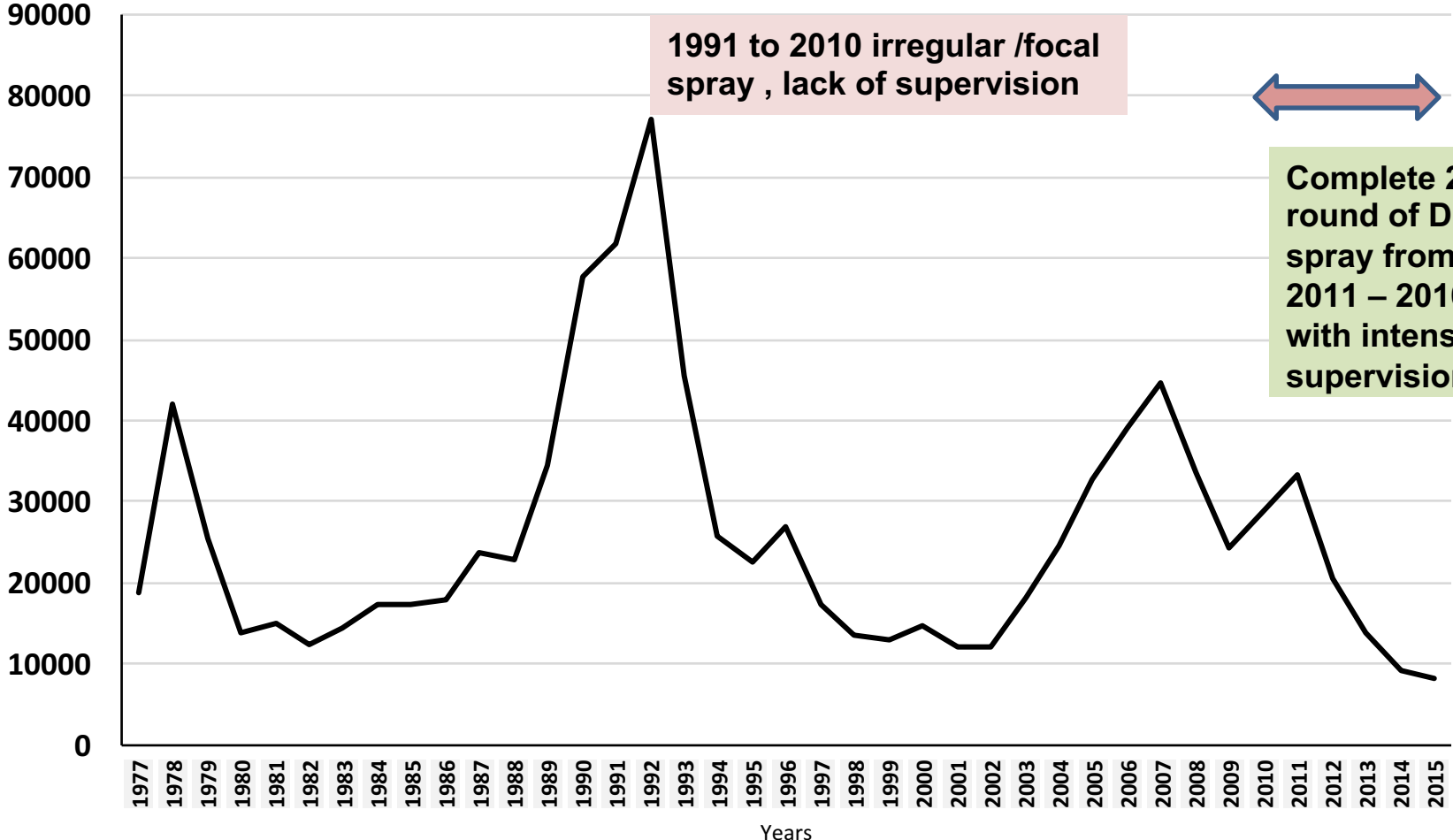
Separate Kala-azar control programme launched in 1991 & KA Elimination launched in 2002

1977-1990

1991-2015

1991 to 2010 irregular /focal spray , lack of supervision

Complete 2 round of DDT spray from 2011 – 2016 with intensified supervision



— No of cases