

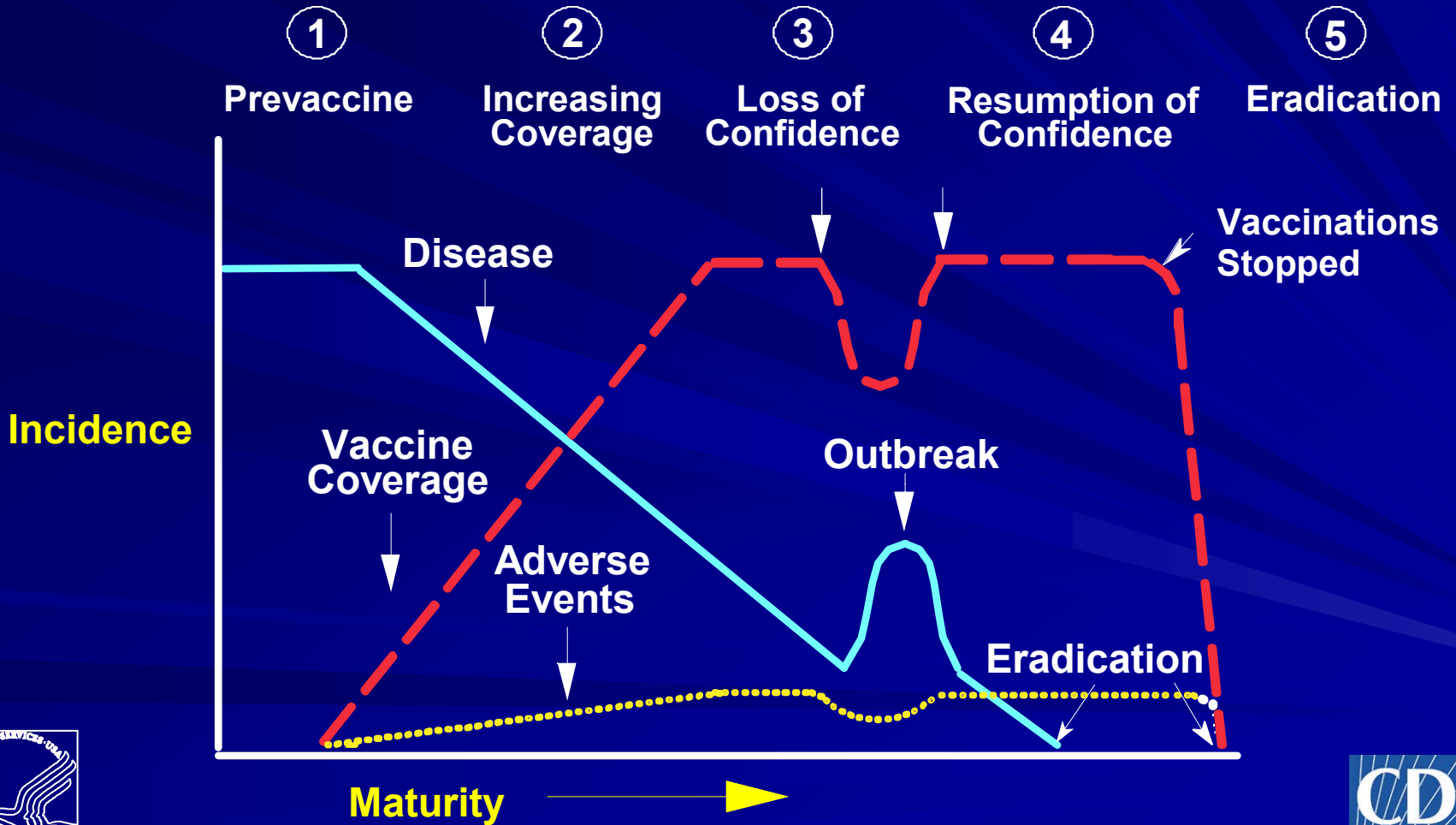
New Horizons in Vaccine Safety



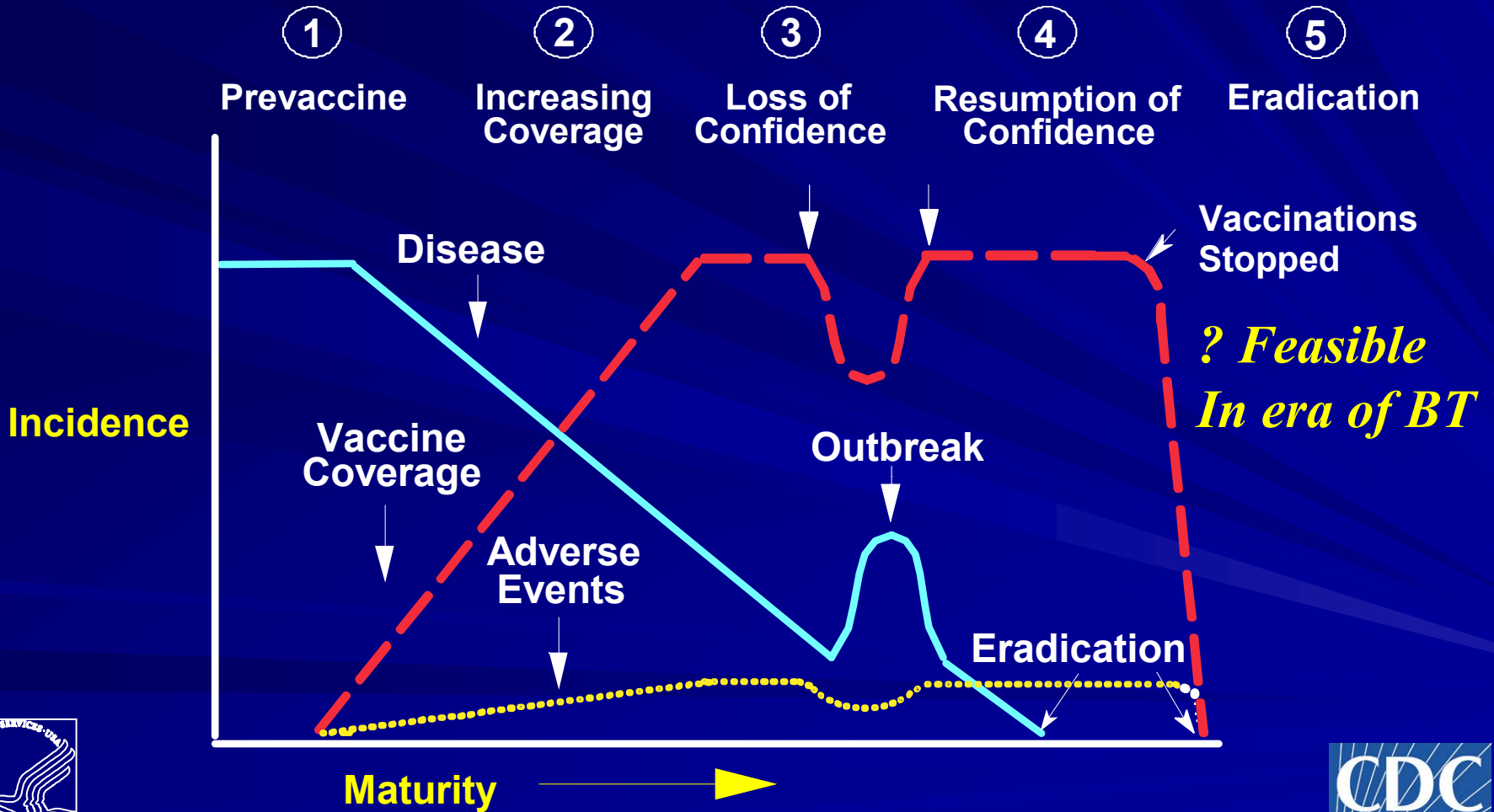
CDC Team Safely Home in Atlanta, Sept 12, 2001



Evolution of Immunization Program and Prominence of Vaccine Safety



Evolution of Immunization Program and Prominence of Vaccine Safety



How to Sustain (+ Advance) Mature National Immunization Programs I?

- **New chapter /challenge in human history**
- **Education on benefits in absence of VPD**
- **Computerized immunization registries**
- **Risk of VPD if not vaccinated**



How to Sustain (+ Advance) Mature National Immunization Programs II?

- Assess + reduce immunization risks
 - Change paradigm in immunization program goals => reduce all disease:
 - vaccine-induced +
 - vaccine preventable
 - Need for immunization safety system
 - Best, timely scientific data
 - Credible to stakeholders



“Rick Rollens...shocked me into wanting to take action by telling me that our CDC research was dead on arrival”.....

Roger Bernier
opening remarks
Wingspread 7/31/02



Other Crises of Confidence

■ Aviation:

- NASA and Challenger/Columbia shuttle disasters
- Valuejet, TWA800, JFK Jr., & other plane crashes

■ Financial:

- Enron & Arthur Andersen (+ Worldcom, etc.)

■ Health:

- HIV contamination of blood products
- BSE (or Mad Cow Disease) and meat

■ Religious:

- Priests and child abuse



Good Governance Principles (to prevent loss of confidence)

- Transparency
- Ethics/Lack of conflict of interest
- Accountability
- Checks and balances
- Objective investigations
- Adequate resources
- Admit unknown risks
- No fault compensations
- Public education
- Participation of stakeholders in decision making



Vaccine Safety Plenary Session Speakers

37th National Immunization Conference

- Dr. Phillipe Duclos
- Dr. Ed Marcuse
- Dr. Bob Davis
- Dr. Colin Marchant
- Dr. Roger Bernier



Comparison of Maximum and Current Reported Morbidity, Vaccine-Preventable Diseases and Vaccine Adverse Events, United States

Disease	Pre-vaccine Era*	2002**	% change
Diphtheria	175,885	1	99.99
Measles	503,282	37	99.99
Mumps	152,209	238	99.80
Pertussis	147,271	8,296	94.40
Polio paralytic)	16,316	0	100.00
Rubella	47,745	14	99.97
Cong. Rubella Synd.	823	3	99.60
Tetanus	1,314	23	97.90
H. <i>Influenzae</i> type b and Unknown (< 5 yrs)	20,000+	282	98.60
Total	1,064,854	8,894	-99.16

Vaccine Adverse Events	0	7,773 ^	+++
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- * Maximum cases reported in pre-vaccine era and year
- + Estimated because no national reporting existed in the prevaccine era
- ^ Total reports to Vaccine Adverse Event Reporting System = 14,199
- ** Provisional (01/06/2003)

