

OPPORTUNISTIC IMMUNISATION AND SYDNEY CHILDREN'S HOSPITAL



Sarkozy V¹, Moline A¹, Sivertsen L¹, Orr
K², Savage M¹, Katf H¹, Zwi K¹,
Williams K¹, Ferson M²

1.Sydney Children's Hospital, Sydney, New South Wales

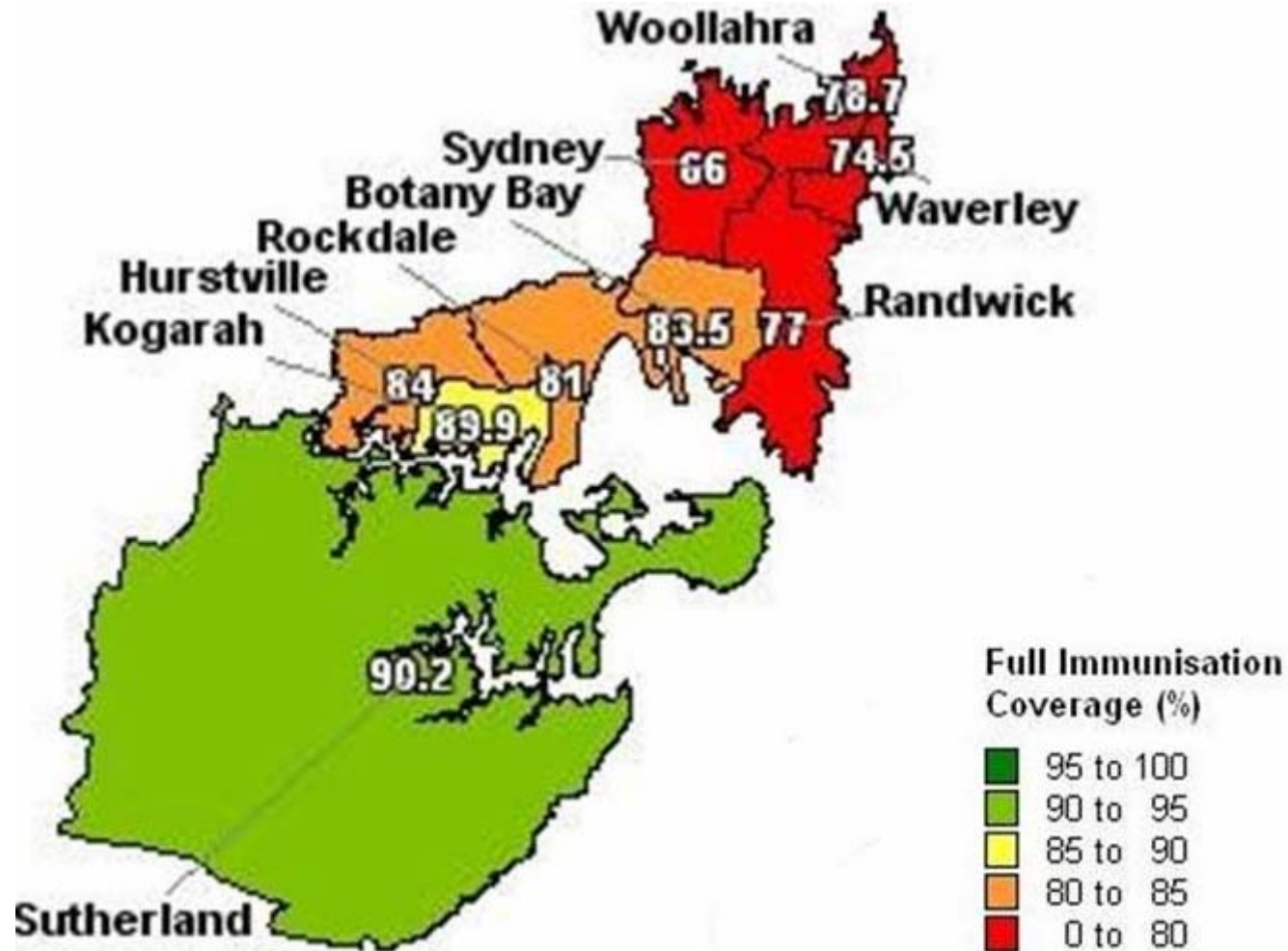
2.Public Health Unit, Sydney, New South Wales



Immunisation Rates

	12- 15mth	24- 27mth	72- 75mth
Randwick	88%	87%	77%
SESIAHS	90%	91%	85%
NSW	91%	92%	85%
Australia	91%	92%	85%

Fully Immunised at 72-75mths





Opportunistic Immunisation at Sydney Children's Hospital

- **Stage I:** To identify the numbers of children who are not fully immunised attending Sydney Children's Hospital and evaluate our documentation of immunisation status.
- **Stage II:** To investigate options with regard to a sustainable system to identify those children whose immunisation is not up to date.
- **Stage III:** To trial and evaluate the sustainable system of identifying those children whose immunisation is not up to date.
- **Stage IV:** To develop a system of offering opportunistic immunisation to children who attend Sydney Children's Hospital.



Opportunistic Immunisation at Sydney Children's Hospital

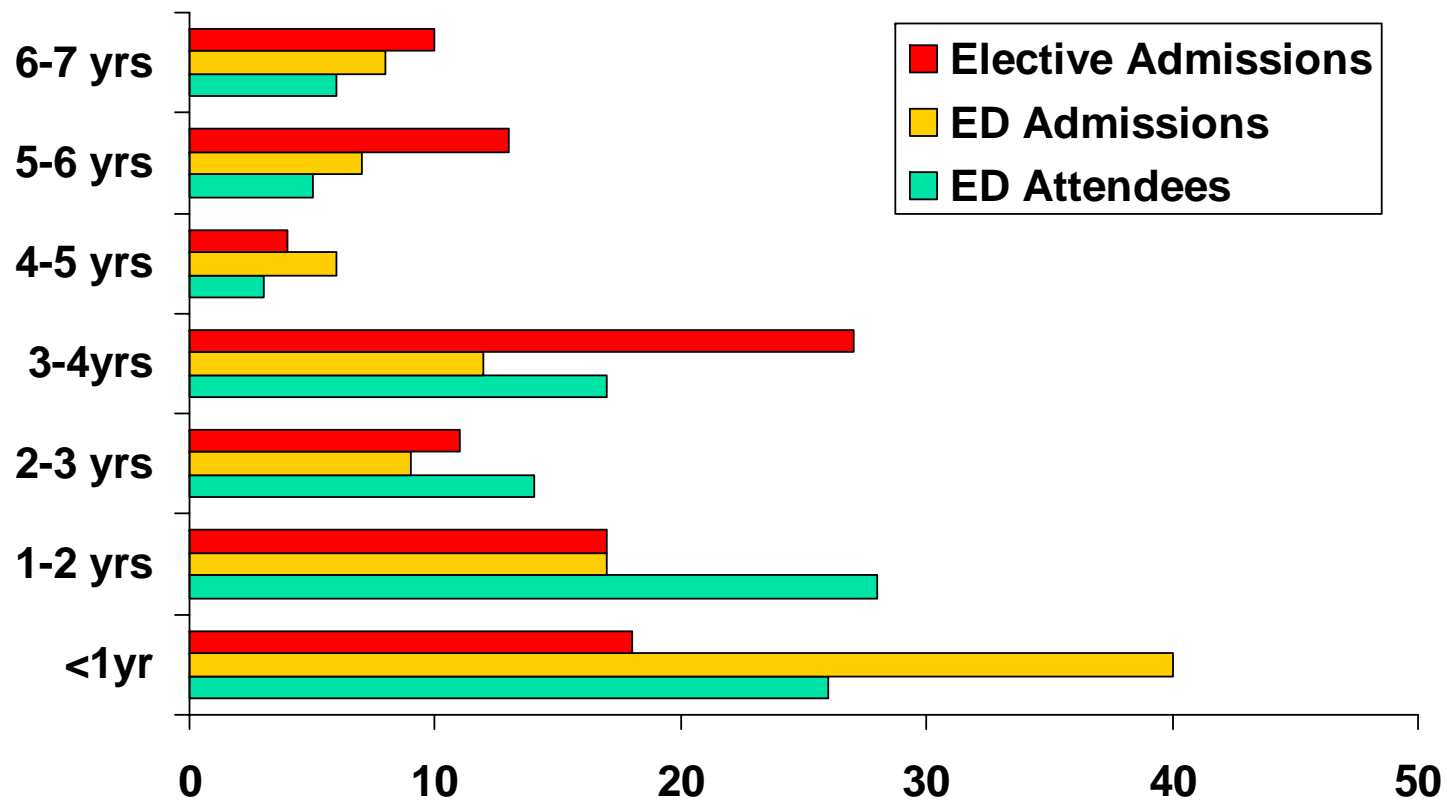
- Stage I – Who is Up To Date (UTD)?
 - Assess immunisation rates in SCH patients
 - Assess accuracy of immunisation documentation
 - Inform the remainder of the process



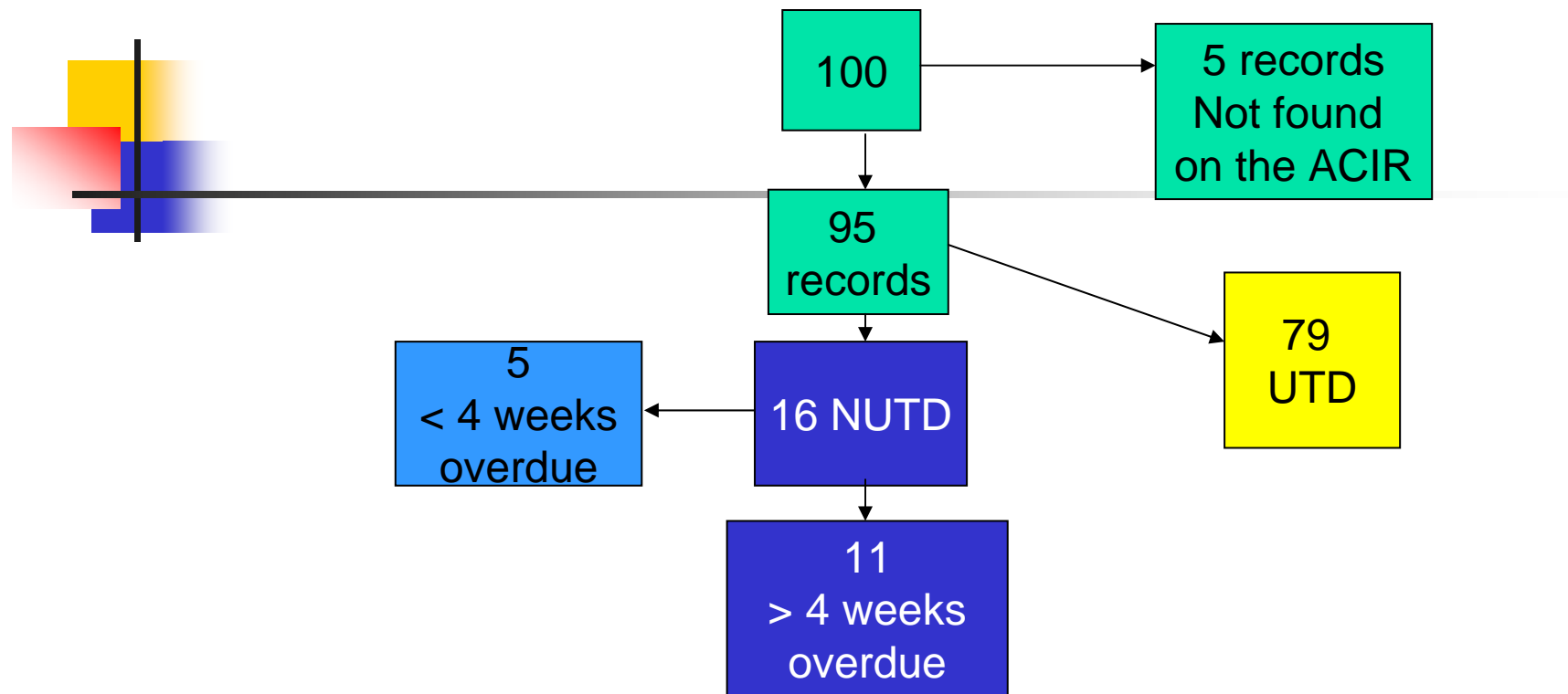
Sydney Children's Hospital - Method

- Records for review were gathered from
 - Emergency department (ED) Attendees 100 (100)
 - ED Admissions 100 (100)
 - Elective Admissions 100 (75)
- Immunisation status according to medical and nursing patient records
- “Gold standard” immunisation status was gathered using Australian Childhood Immunisation Register (ACIR)

Age of children reviewed



Review of 100 notes of ED Attendees

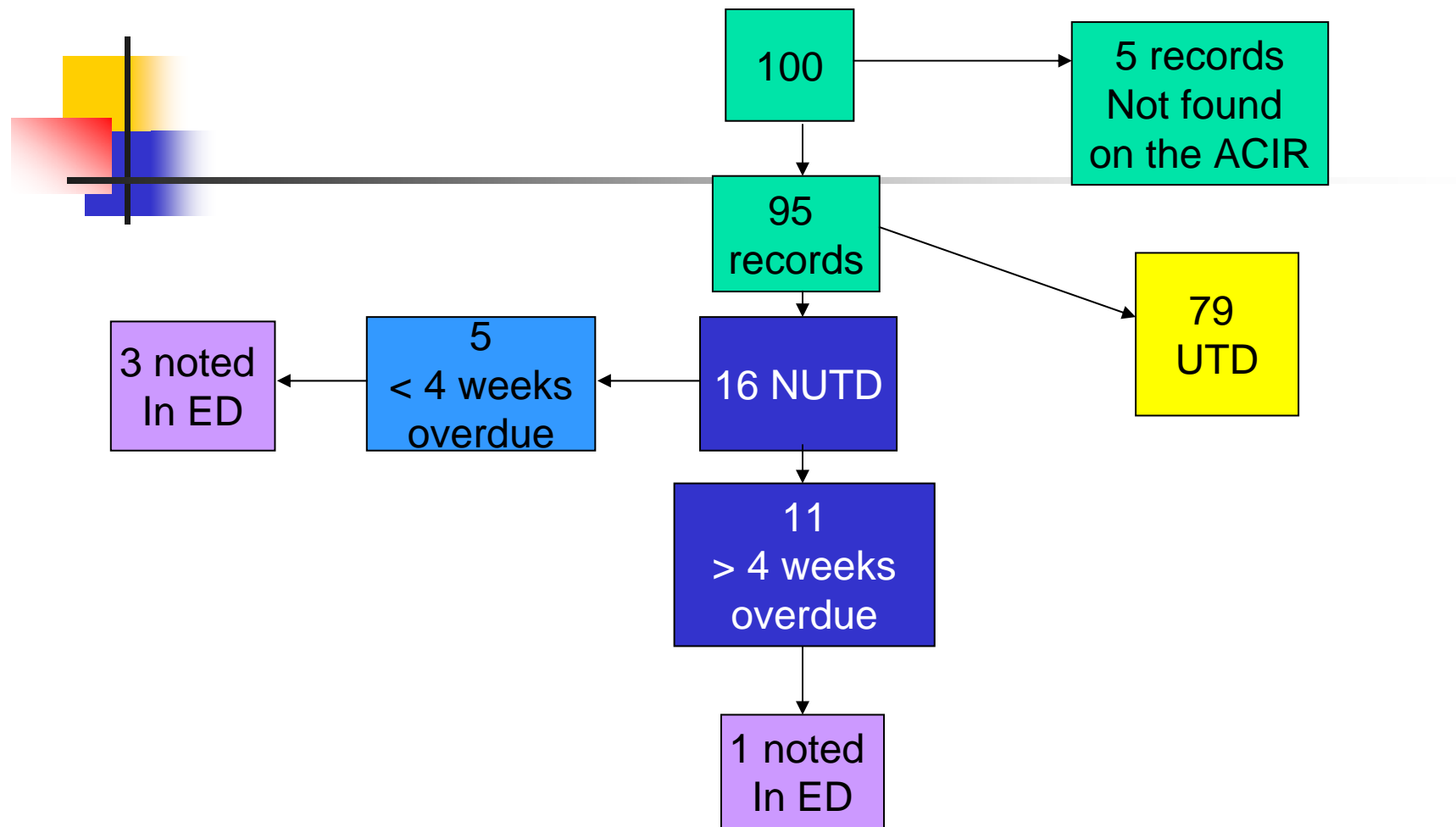




Summary of Results

	ED Attendees	ED Admissions	Booked Admissions	Total
Records requested	100	100	100	300
Records Found	100	100	75	275
ACIR records	95	95	71	261
UTD	79(83%)	80(84%)	61(86%)	220(84%)
NUTD total	16(17%)	15(16%)	10(14%)	41(16%)
NUTD >4 wk	11(12%)	14(15%)	10(14%)	35(13%)

Review of 100 notes of ED Attendees





ED Attendees

	NUTD as per ACIR	UTD as per ACIR	
NUTD as per the ED staff	4	2	6
UTD as per ED staff	11	65	76
No information documented	1	12	13
	16	79	95



ED Attendees

- **NUTD** children **correctly** identified by ED staff 4/16 = **25%**
- **UTD** children **correctly** identified by ED staff 65/79 = **82%**
- **No information** documented for 13 children (12 UTD , 1 NUTD) = **14%**



Summary of Results

	ED Attendees	ED Admissions	Elective Admissions	Total
UTD	79	80	61	220
Correctly Identified	65(82%)	63(79%)	50(82%)	178(81%)
NUTD	16	15	10	41
Correctly Identified	4(25%)	4(27%)	2(20%)	10(24%)

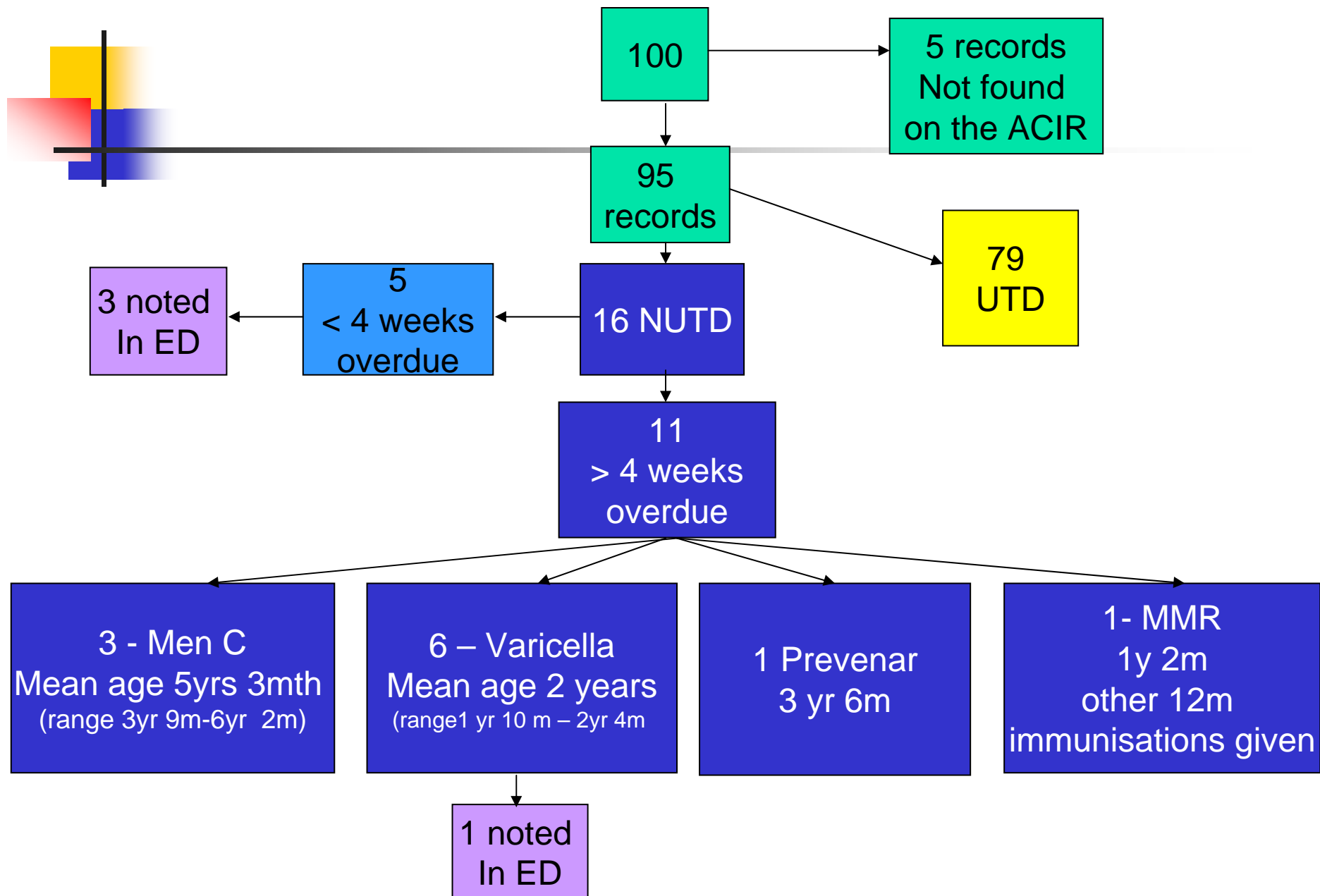


Summary of Results

	ED Attendees	ED Admissions	Booked Admissions	Overall
NUTD as per ACIR	17% (11-26%)	16% (10-18%)	14% (8-24%)	16% (12-21%)
NUTD ➤ 4 weeks ➤ ACIR	12% (6-20%)	15% (9-23%)	14% (8-24%)	13% (10-18%)
Correct detection of NUTD	25% (10-50%)	27% (11-52%)	20% (5-52%)	24% (14-40%)
Correct detection of UTD	82% (72-89%)	79% (68-86%)	82% (70-89%)	81% (70-89%)

Information in brackets: 95% CI

Review of 100 notes of ED Attendees





Summary of Results

	ED Attendees	ED Admissions	Elective Admissions	Total
NIL	0	3	1	4
Prevenar	1	3	4	8
Men C	3	4	5	12
MMR	1	0	0	1
Varicella	6	2	0	8
Pre-School	0	3	0	3
Other	0	1	1	2



Conclusion

- **13%** of the sample were under immunised
- **24%** of under immunised children were identified using current systems
- **1.5%** of our sample had chosen not to immunise their children
- The newer immunisations were over represented amongst the overdue immunisations



Opportunistic Immunisation - Stage II and Beyond

- Review our systems for identifying children who are overdue their immunisation



Questions?
