

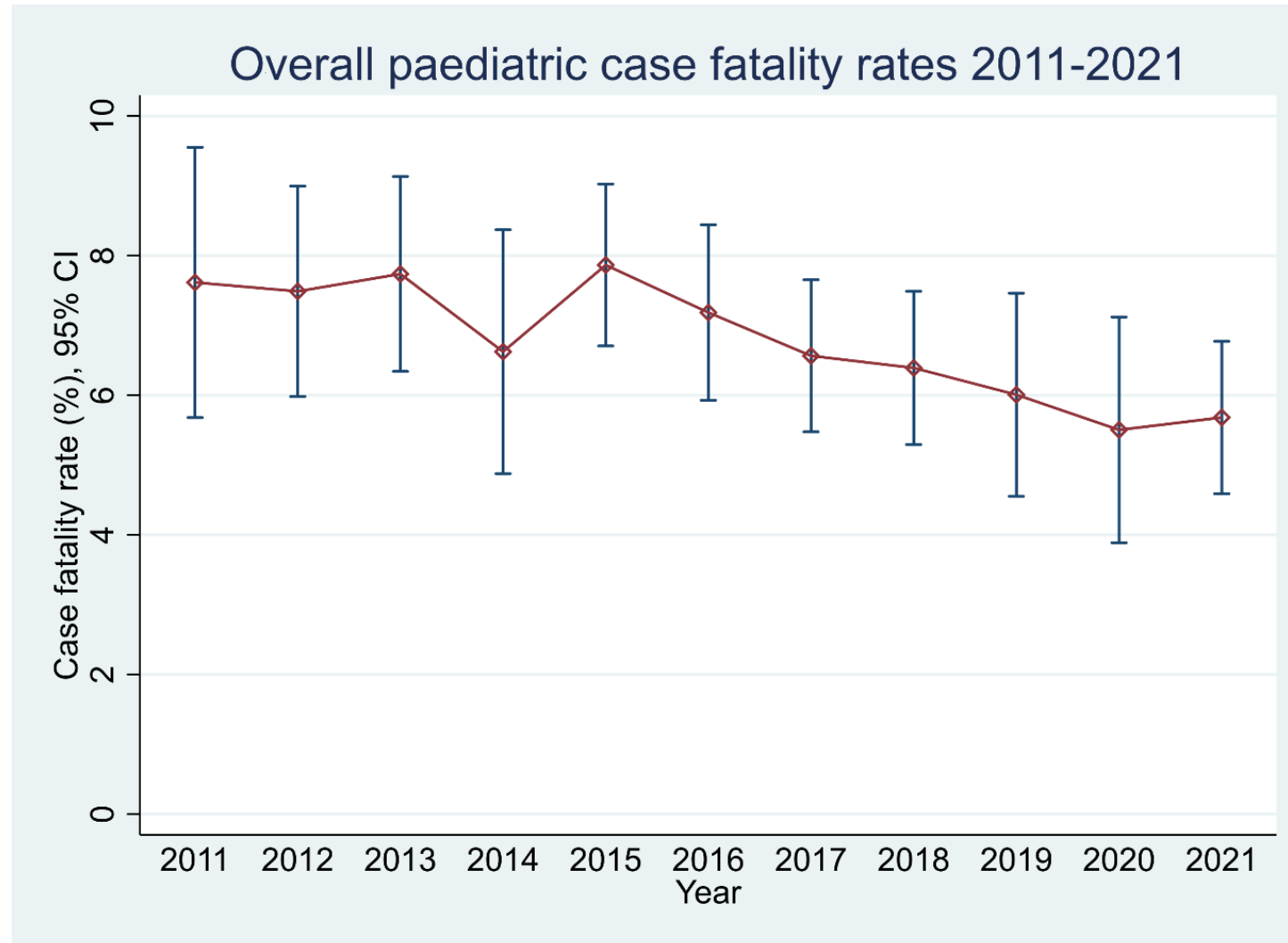
# PHR 2021

Mr Edilson Yano and Prof Trevor Duke

# PHR in 2021

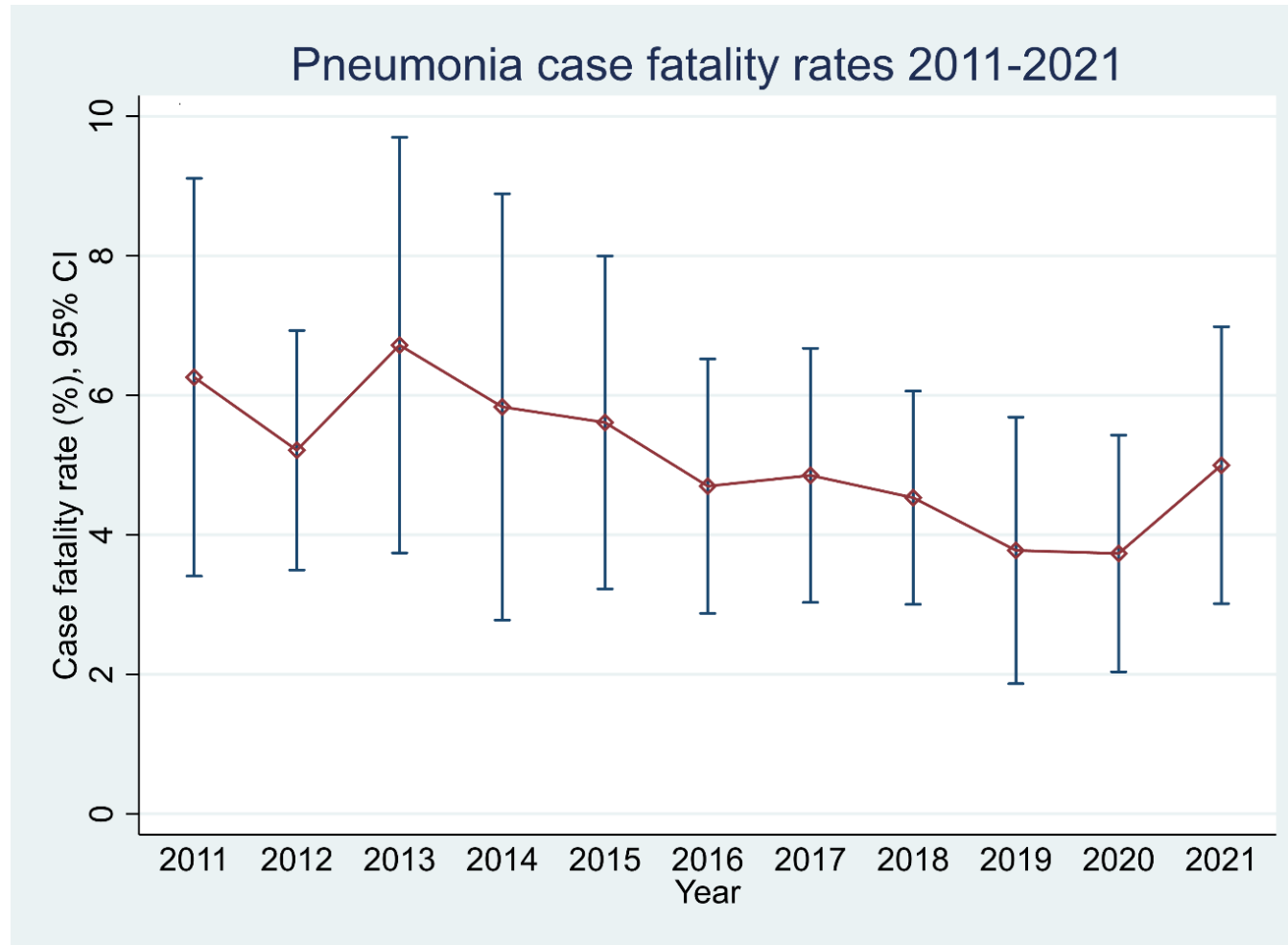
- 18 hospitals contributed complete data
- 29,485 admissions, 1582 deaths

# Overall gains in mortality sustained

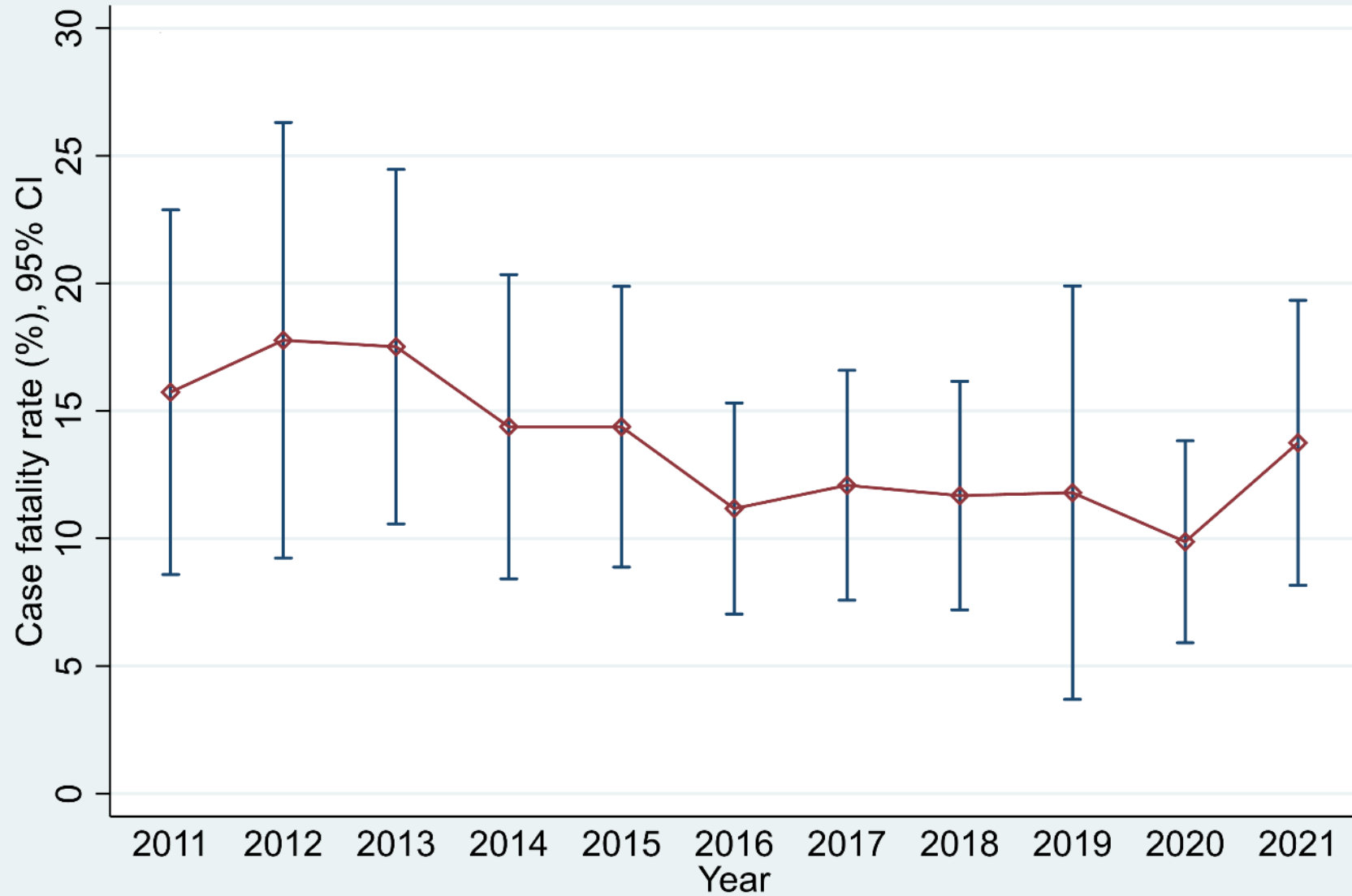


<b>Diagnoses</b>	<b>Admissions 2021</b>	<b>Deaths 2021</b>	<b>Case fatality rate 2021</b>	<b>Average CFR 2009-2021</b>
<b>All paediatric admissions</b>	29485	1582	5.4	6.83
Pneumonia	4967	211	4.2	4.40
Severe pneumonia	1984	183	9.2	10.38
Neonatal conditions	12292	726	5.9	8.23
Diarrhoea	2179	91	4.2	4.31
Malaria	829	34	4.1	4.43
Severe malnutrition	2514	256	10.2	15.43
Tuberculosis	1953	156	8.0	10.09
Meningitis	836	104	12.4	16.91
HIV	384	61	15.9	15.23
Anaemia	2184	277	12.7	12.71
Rheumatic heart disease	170	15	8.8	10.52
Congenital heart disease	466	64	13.7	17.30
Measles	3	0	0.0	2.95
Cancer	138	39	28.3	30.80
Tetanus	10	2	20.0	17.57
Acute flaccid paralysis	21	4	19.0	4.96
Whooping cough	33	0	0.0	0.84
Child protection	127	30	23.6	17.93
Trauma and injuries	331	3	0.9	1.06

# Pneumonia deaths worse in 2021



## Severe pneumonia case fatality rates 2011-2021



# Excess deaths from pneumonia in 2021

- 48 excess deaths, based on mortality rate from 2020 & 2019
- $361/11035 = 3.37\%$  (2.95 – 3.62%)
- Expected deaths 163 out of 4967 cases (95% CI 147-180)
- Observed deaths 211
- Therefore  $211-163 = 48$  (CI 31-64)

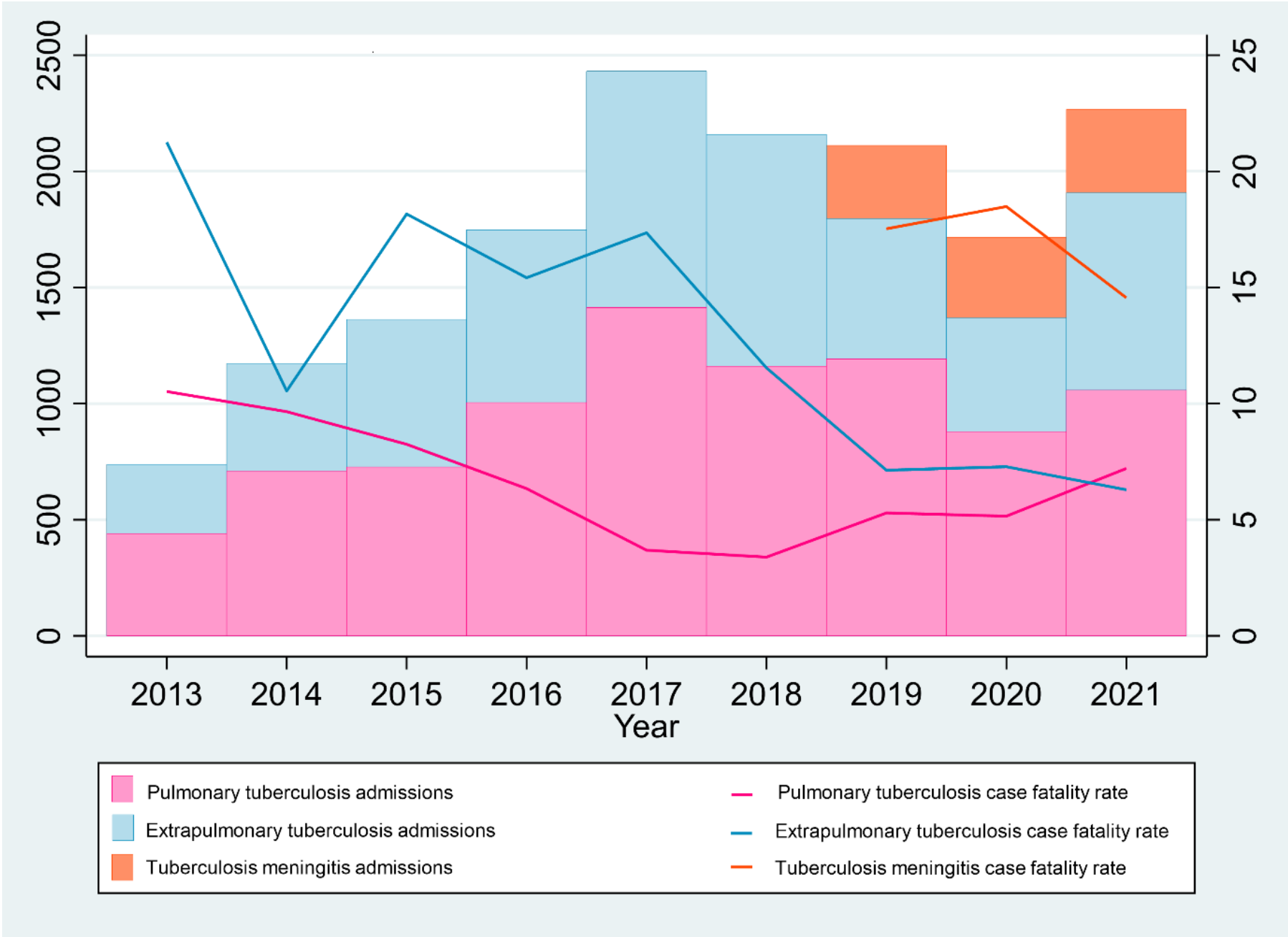
## Why

- Oxygen crisis?
- Covid-19 in children?
- Other?

# Reduction in children with HIV being admitted

<b>Year</b>	<b>Admission of children with HIV</b>	<b>Deaths in children with HIV</b>
2016	532	86
2017	545	89
2018	547	87
2019	389	48
2020	479	82
2021	384	61





- 4 deaths from AFP – presumably Guillain Barre syndrome
- 30 deaths from child protection issues
- Persistence of anaemia as a comorbidity in child deaths

# PHR the future

- Wide distribution of the 2021 Annual Report, to disseminate the lessons
- More consistent reporting in 2022 using PHR V12.2
- Editorial committee to write the Annual Report
- Maternal / obstetric reporting
- No changes to the program for 5 years (except correction of any errors). PHR program now downloadable at [www.pngpaediatricsociety.org](http://www.pngpaediatricsociety.org)