

EPIQ Lung Health Group Update

Presented by Amit Mukerji & Brooke Read
February 2021



Evidence-based Practice for Improving Quality

Vision

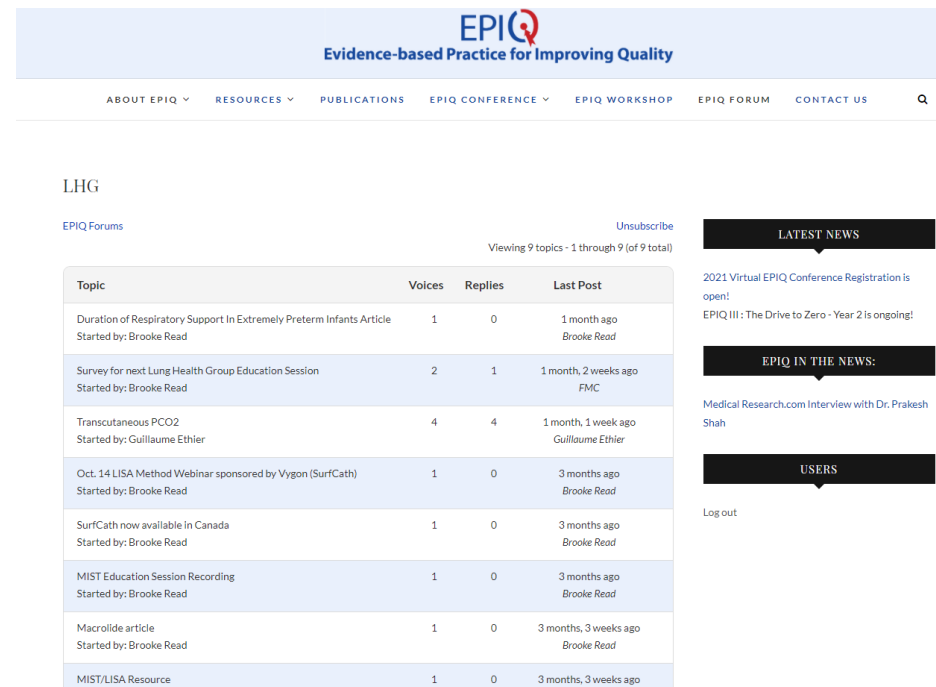
- Foster communication and dialogue (including resource sharing) across centres
- BPD bundle: Prevention/Management practices uptake and Incidence of BPD
- Education (new!) and Research activities

Lung Health Group Site Reps

- Active and up-to-date contact list for Lung Health Group representatives and members
- MDs and allied healthcare professionals (RRT, RN or NP)
- 90% representation of CNN sites (as of Jan 2021)

Lung Health Group Forum

- “Relaunched” the EPIQ Lung Health Group Forum
- Set up login for Lung Health Group Reps to receive email notifications for the forum



The screenshot shows the EPIQ website header with the logo and navigation menu. Below the header, the forum page for the Lung Health Group (LHG) is displayed. It includes a table of forum topics with columns for Topic, Voices, Replies, and Last Post. The table lists several topics, including 'Duration of Respiratory Support In Extremely Preterm Infants Article', 'Survey for next Lung Health Group Education Session', 'Transcutaneous PCO2', 'Oct. 14 LISA Method Webinar sponsored by Vygon (SurfCath)', 'SurfCath now available in Canada', 'MIST Education Session Recording', 'Macrolide article', and 'MIST/LISA Resource'. To the right of the table, there are sections for 'LATEST NEWS' and 'EPIQ IN THE NEWS', and a 'USERS' section with a 'Log out' link.

EPIQ
Evidence-based Practice for Improving Quality

ABOUT EPIQ ▾ RESOURCES ▾ PUBLICATIONS EPIQ CONFERENCE ▾ EPIQ WORKSHOP EPIQ FORUM CONTACT US Q

LHG

EPIQ Forums Unsubscribe

Viewing 9 topics - 1 through 9 (of 9 total)

Topic	Voices	Replies	Last Post
Duration of Respiratory Support In Extremely Preterm Infants Article Started by: Brooke Read	1	0	1 month ago Brooke Read
Survey for next Lung Health Group Education Session Started by: Brooke Read	2	1	1 month, 2 weeks ago FMC
Transcutaneous PCO2 Started by: Guillaume Ethier	4	4	1 month, 1 week ago Guillaume Ethier
Oct. 14 LISA Method Webinar sponsored by Vygon (SurfCath) Started by: Brooke Read	1	0	3 months ago Brooke Read
SurfCath now available in Canada Started by: Brooke Read	1	0	3 months ago Brooke Read
MIST Education Session Recording Started by: Brooke Read	1	0	3 months ago Brooke Read
Macrolide article Started by: Brooke Read	1	0	3 months, 3 weeks ago Brooke Read
MIST/LISA Resource	1	0	3 months, 3 weeks ago

LATEST NEWS

2021 Virtual EPIQ Conference Registration is open!
EPIQ III: The Drive to Zero - Year 2 is ongoing!

EPIQ IN THE NEWS:

Medical Research.com Interview with Dr. Prakesh Shah

USERS

Log out

Lung Health Group Resources

- Resources sub-site for the Lung Health Group
- Relevant documents for the Lung Health Group uploaded and available
 - BPD bundle
 - Evidence reviews for bundle
 - LHG site rep list
 - Education resources



LHG

LHG Site Reps for Forum	(download)
LHG Literature Review for BPD bundle	(download)
EPIQ III BPD BUNDLE	(download)
LHG Education Session on the Implementation of Minimally Invasive Surfactant Therapy (MIST) September 24, 2020	(download)
LHG Education Session MIST September 24, 2020 (video)	(download)

Vision

- Foster communication and dialogue (including resource sharing) across centres
- BPD bundle: Prevention/Management practices uptake and Incidence of BPD
- Education (new!) and Research activities

BPD Bundle: Released Feb 2020

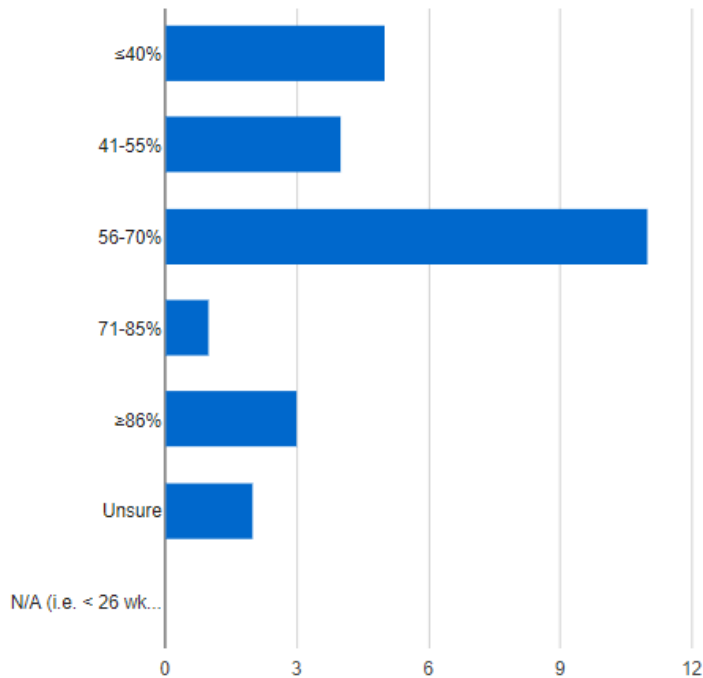
Antenatal Steroids	Use of distending pressure post-resuscitation
CPAP as initial respiratory management	Volume targeted ventilation
Surfactant administration (including repeat dosing)	Avoidance of lung de-recruitment
LISA/MIST	Assessment for extubation
Macrolides	Immediate post-extubation management
Systemic steroids	Oxygen/Medical therapy (including Caffeine)
Inhaled Steroids	Prevention of unplanned extubations

BPD Bundle: Baseline Survey of Site Practices

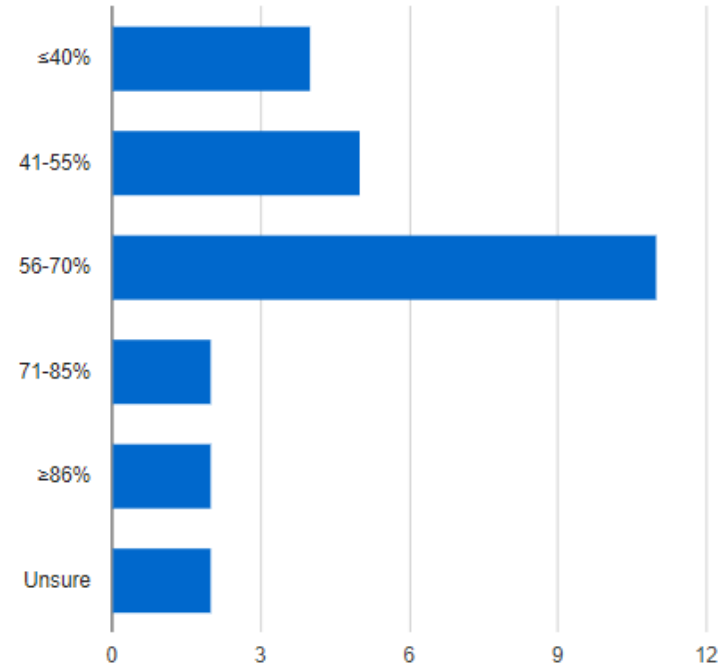
- Creation and dissemination of online survey based on BPD bundle to all LHG site reps
- Objective: to understand practices of Canadian centres for BPD prevention/management
- As of Feb 2021: 26 out of 32 sites have completed the survey

Baseline Survey: Preliminary Results (Antenatal Steroids)

<26 weeks

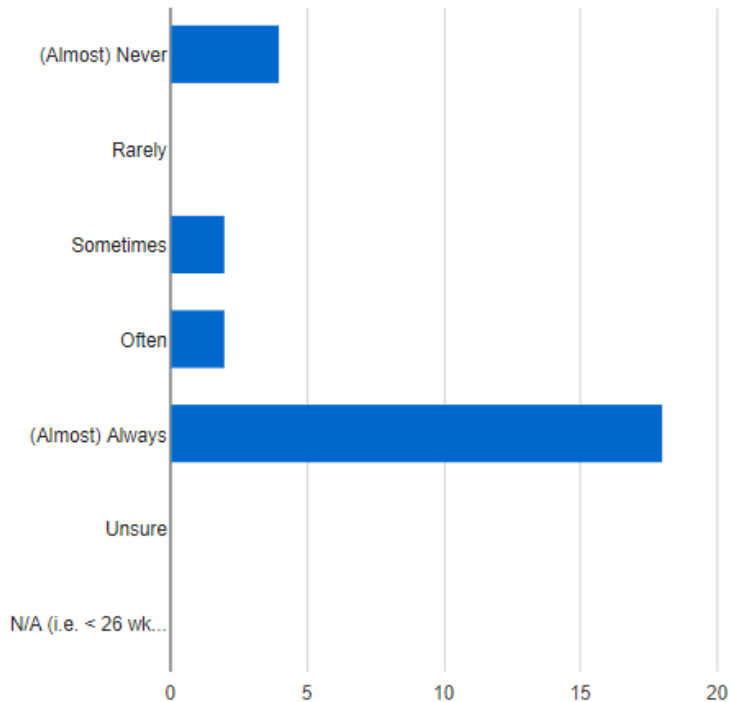


26-28 weeks

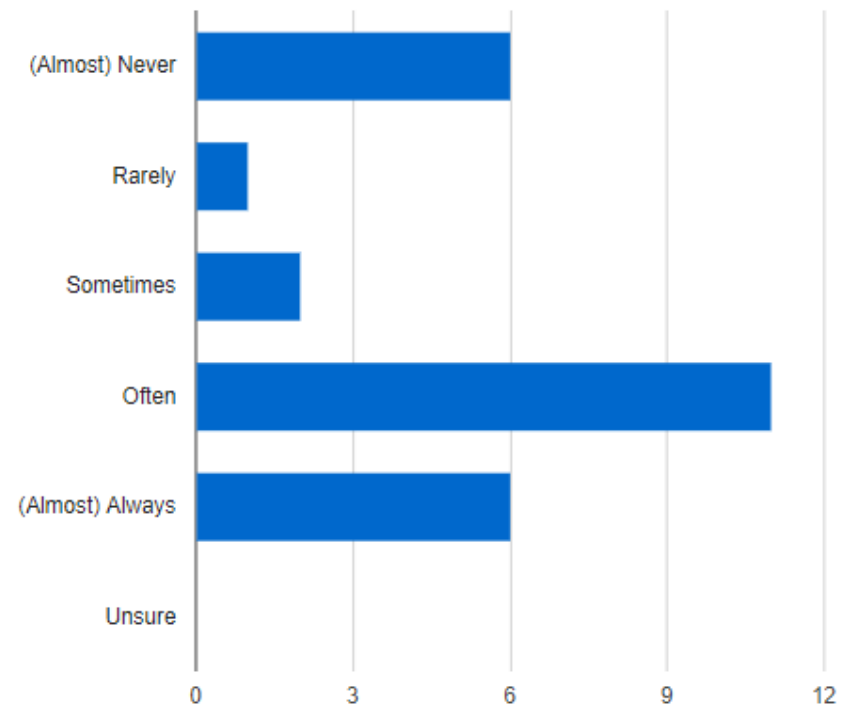


Baseline Survey: Preliminary Results (Prophylactic surfactant if intubated)

<26 weeks



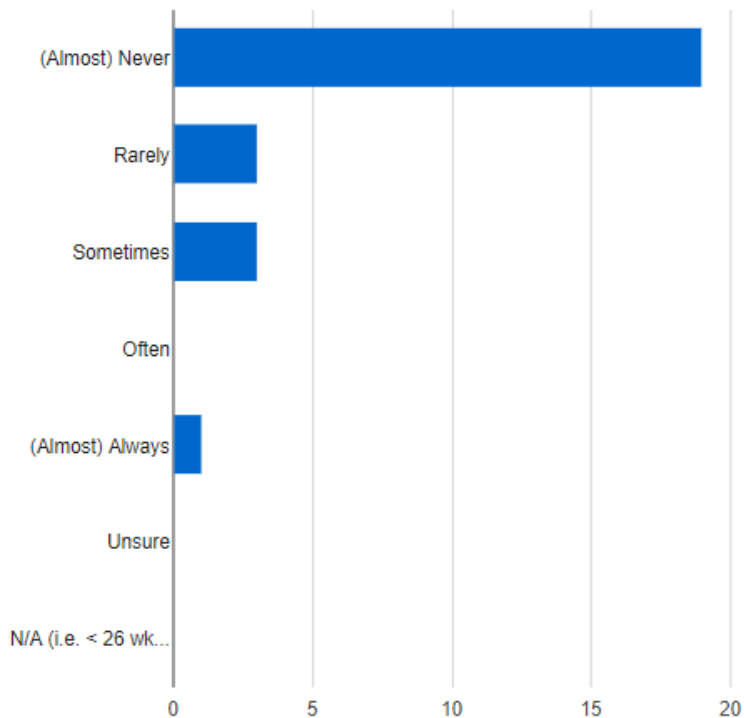
26-28 weeks



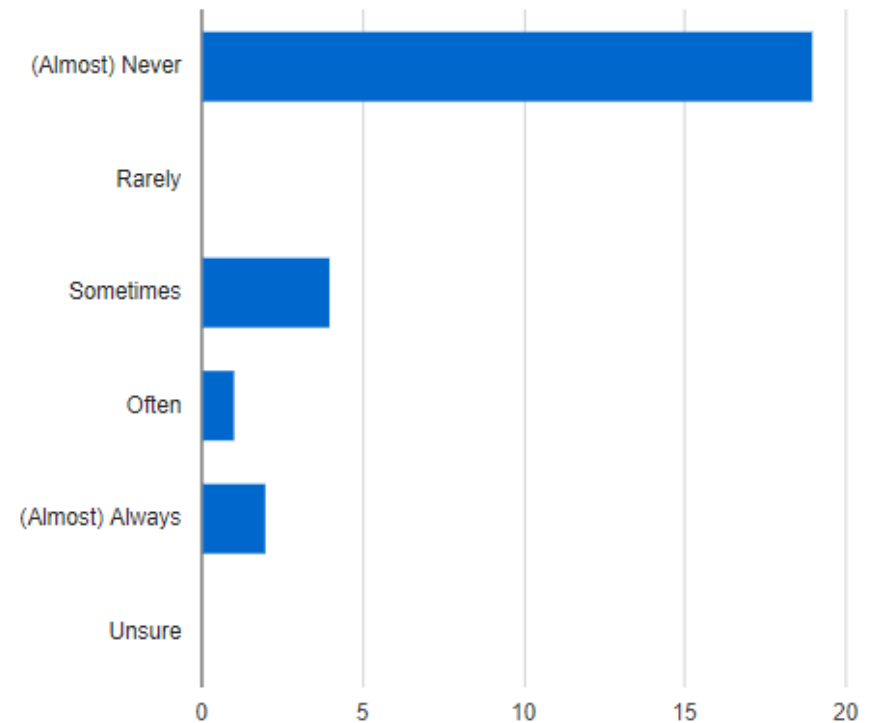
Baseline Survey: Preliminary Results

(MIST/LISA)

<26 weeks

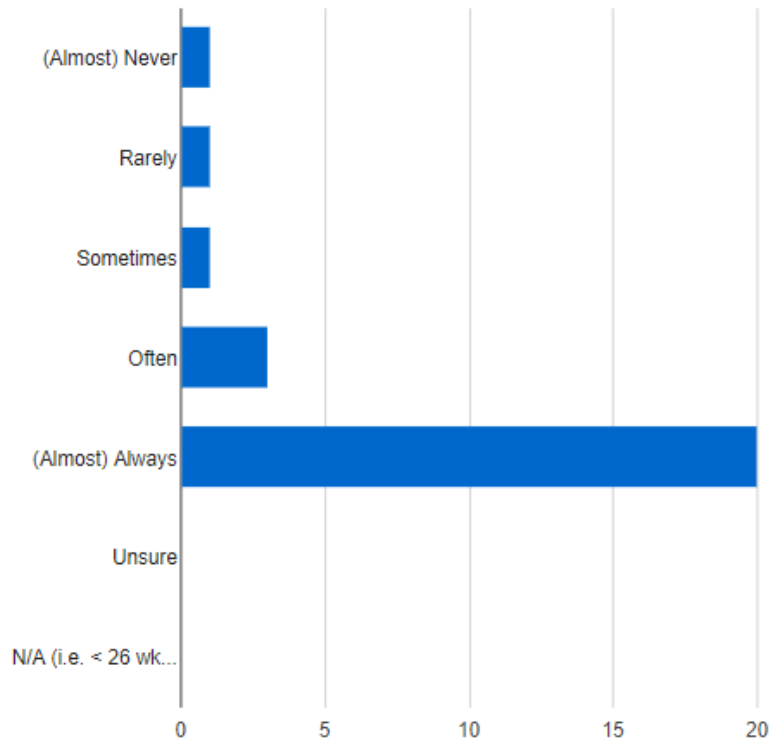


26-28 weeks

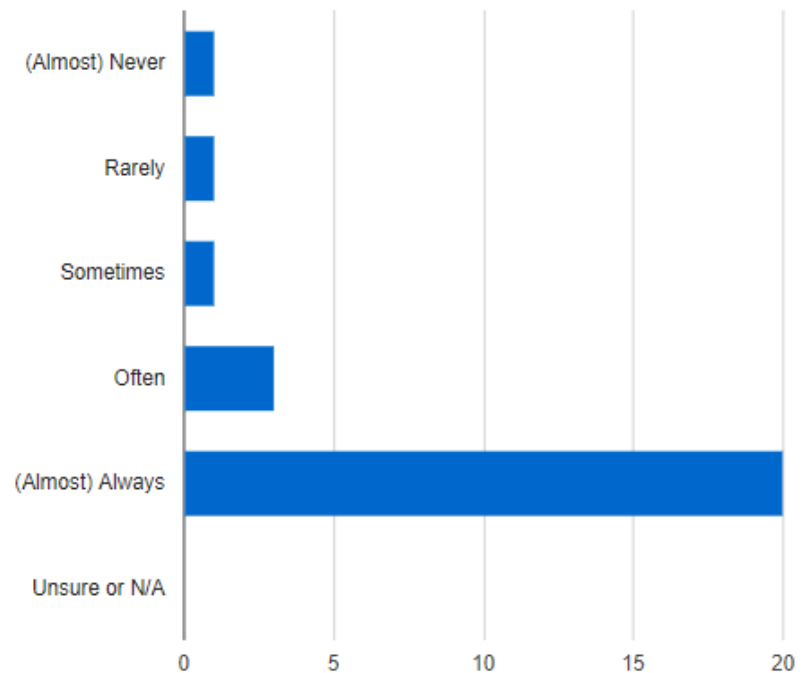


Baseline Survey: Preliminary Results (VTV during conventional ventilation)

<26 weeks

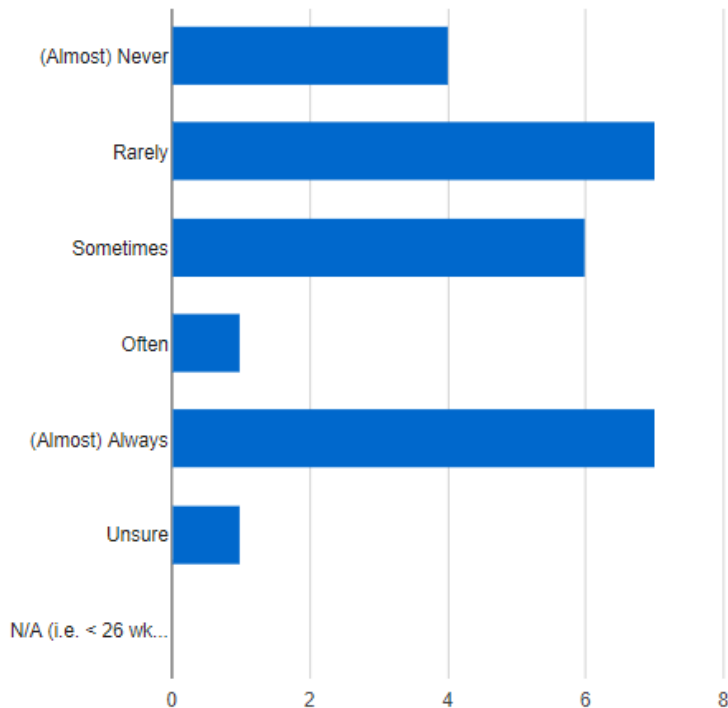


26-28 weeks

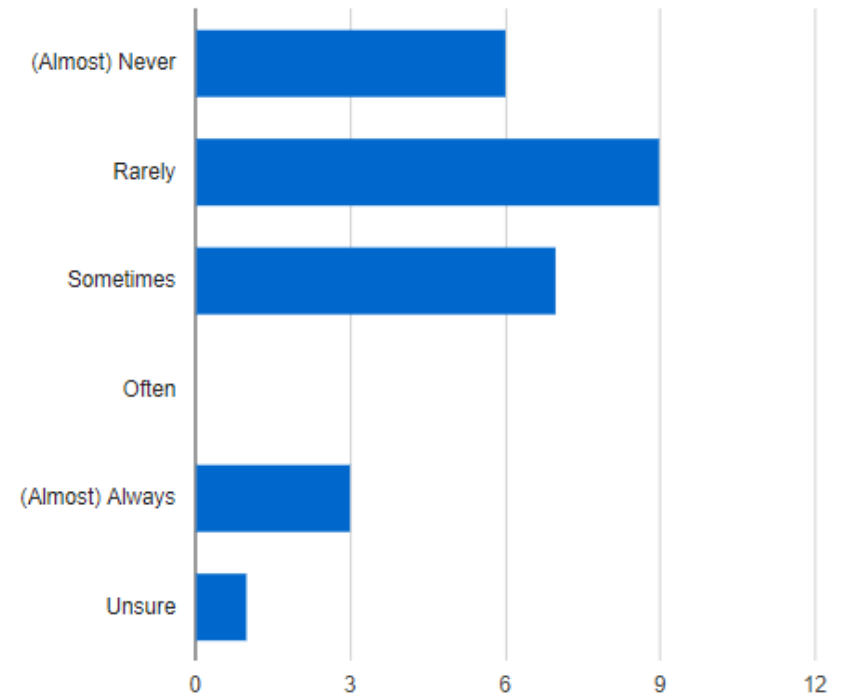


Baseline Survey: Preliminary Results (Prophylactic HFOV use)

<26 weeks



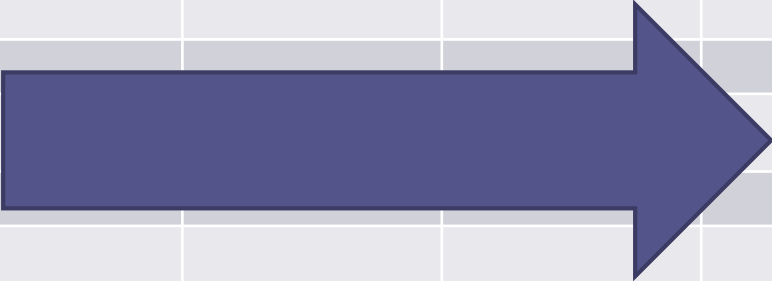
26-28 weeks



Next Steps:

Ongoing surveillance of practices

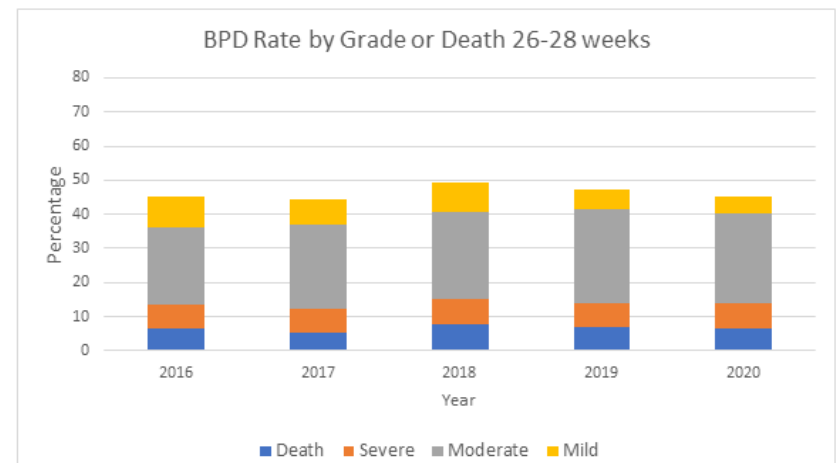
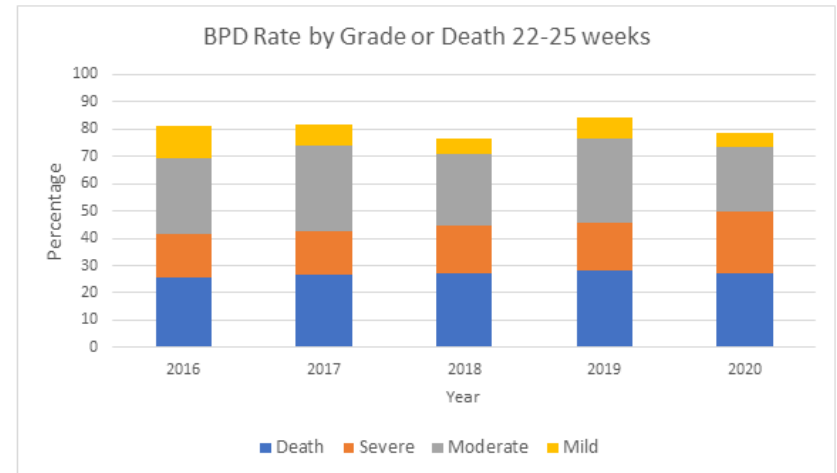
Practices	Baseline	6 months	12 months	18 months
Antenatal steroids adherence				
Initial DR mngmt with CPAP				
Surfactant administration criteria (including repeat dosing)				
LISA/MIST				
Macrolide use policy/guideline				
Systemic steroids policy/guideline				
Inhaled steroids guideline/policy				
Use of VTV on conventional ventilation				
Policy for avoiding lung de-recruitment				
Formal extubation assessment policy				
Early caffeine				
Policy for Avoiding/minimizing Unplanned extubations				
Other (unit-specific) initiative				



BPD incidence

- National BPD Report 2016-2020
 - 22-25 weeks
 - 26-28 weeks
 - BPD by severity/ death
- Future plans
 - Site reports on BPD data in comparison to National BPD data for Lung Health Group Reps
 - Trend changes over the years in BPD incidence

EPIQ Lung Health Group BPD Report 2016-June 2020



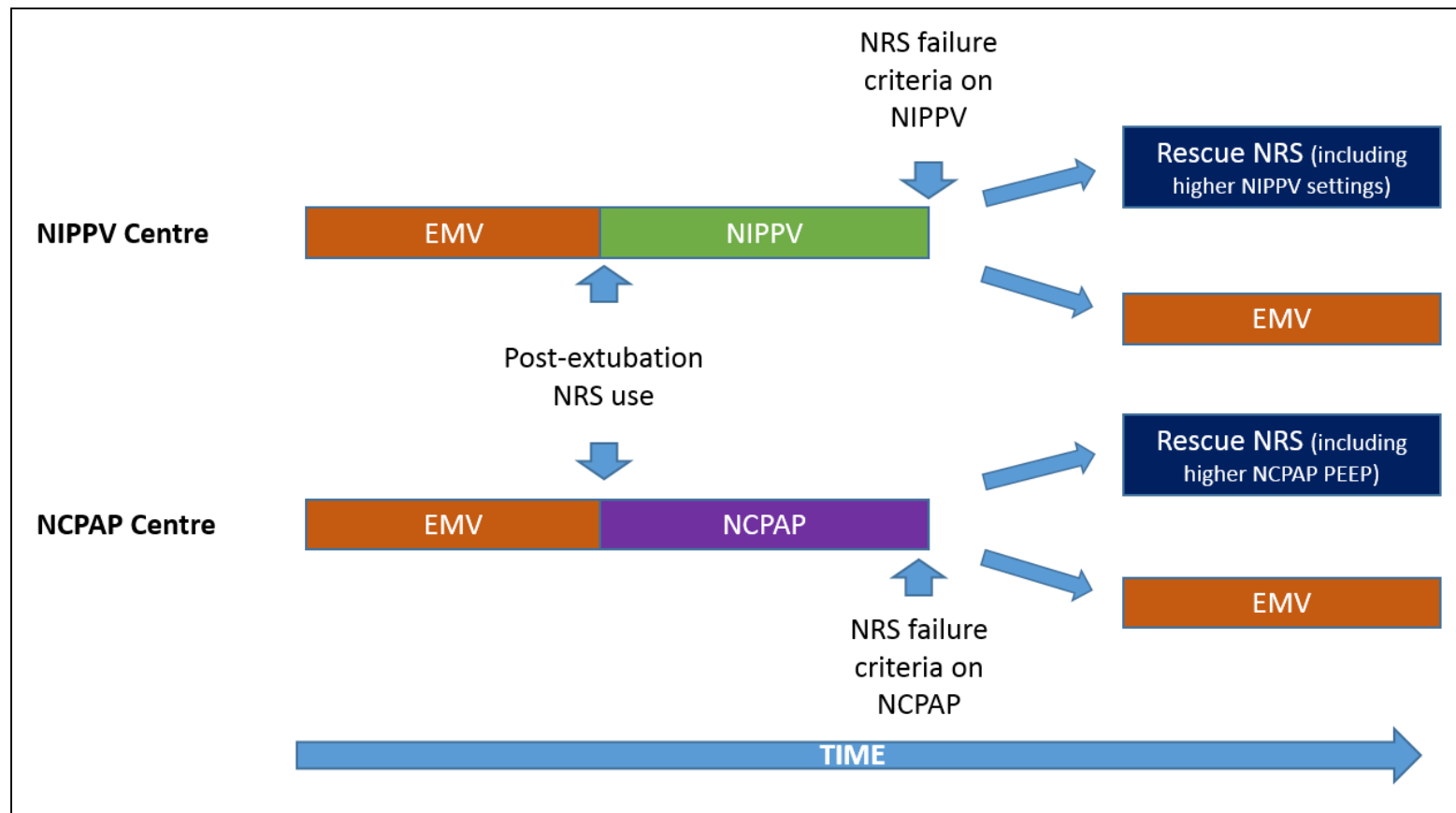
Vision

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Education

- Hosted our first Lung Health Group Education Session in September of 2020
 - Implementation of Minimally Invasive Surfactant Therapy
 - Three sites shared their experience with MIST
- Plan to organize Education Sessions twice/year
 - Next session scheduled for April 21th, 2021 (1400 EST)
 - Topic: Prophylactic/Elective use of HFOV

Research/QI: NIPPV CER Study



Research/QI

- Ongoing projects
 - NIPPV vs CPAP CER study
 - BPD baseline practices survey
- Use the LHG as a platform for new collaborative QI and research projects
 - BPD practices and incidence
 - Systemic steroids working group



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