

PBPI Committee Update – January 2021

General Committee Information:

- Elections held in December for the following Board positions along with the unanimous winners for each position:
 - Secretary – *Nichole Junge, Rolling Meadows*
 - Data Coordinator – *Adam Sielig, Arlington Heights*
 - Screen Coordinator – *Taylor McIntyre, Hoffman Estates*
 - Elections for Chair and Vice Chair will be in December 2021
- **Thank you Chiefs and EMS Coordinators for your continued support of the committee and allowance of your members to be more active participants within the committee.**
- 2021 PBPI Charter and Plan modified and passed in January. Copies can be found on the system web-site.
- Topics that will be reviewed this upcoming year include the following:
 - Cardiac Alert/STEMI Reverse Study
 - Naloxone Administration (moving to semi-annual review instead of quarterly)
 - Vascular Access
 - Advanced Airway
 - Stroke Screen
 - Pediatric Cardiac Arrest Care
 - Heart Failure Treatment
- *End of the Year Data Report*
 - Currently in a draft form as there were some modifications to be made at the request of the committee
 - Latest draft included with this update
 - ***The total number of PCRS completed was down 7.3%*** from last year for the system; only ***74,446*** PCRS completed this year.
 - “Surgical Face Mask Applied to Patient” came out of nowhere to be the second more popular completed procedure for 2020.
 - Elite ambulances 701 and 717 completed the most PCRS in the system respectively; A61 from Des Plaines and A2 from Arlington Heights were the top fire based ambulances respectively.
 - The “Times” report is still being reworked. There are a number of incidents with “en route” times greater than 20 minutes. Those incidents will be sent to each agency to correct if the time was in error. The various incident “time” values will be updated post those corrections.

Screen Queries:

- December – Log Compliance
 - Analysis of both the glucometer and controlled substances daily logs
 - ***Congratulations to the following agencies for 100% compliance with both logs:***
 - ***Elk Grove***
 - ***Prospect Heights***
 - ***Elk Grove Township***
 - ***Wooddale***

- *Congratulations to **Barrington Countryside** for 100% compliance with the controlled substance log.*
- *Congratulations to **Long Grove** for 100% compliance with the glucometer log.*
- Analysis and summary results for the findings currently in progress and will be hopefully be completed by February
- November – Trauma
 - Review of 4579 incidents that fell into the trauma query criteria. Data taken from January 1st to September 30th, 2020.
 - 110 of the 4579 (2.4%) incidents currently meet physiological criteria for Level 1 transport.
 - Compliance with proper hospital choice based on physiological criteria was as follows:
 - GCS < 13 with a Head Injury – 90.9%
 - Systolic Blood Pressure < 90 – 57.6%
 - Respiratory Rate >29 or <10 – 50.0%
 - Incident scene time should be held to 10 minutes or less for a Level 1 trauma
 - Average scene time for 110 Level 1 incidents: 15.6 minutes
 - 90% fractal for those 110 incidents: 25.9 minutes
 - 76 of the 110 had a scene time greater than 10 minutes and no rational given within the “Scene Delay” data field. Those incidents are currently undergoing individual review by each respective agency’s PBPI member.
 - Falls are still the top reason for traumatic injuries.
- October – Naloxone 3rd Quarter
 - Naloxone given in 94 incidents during the 3rd quarter.
 - Average dose given was 2.4 mg.
 - Population age breakdown: Average – 38, Mode – 26
 - Naloxone was given 30 times “Prior To Arrival” of EMS; Law enforcement continues to be the top provider of PTA Naloxone.
- September – Stroke
 - 579 incidents were included in the query which pulled incidents from March 1st to August 31st, 2020.
 - Patient Demographics – Average: 74.1; Mode: 82, Range: 20 to 105.
 - Incident scene time should be held to 10 minutes or less for a stroke
 - Average scene time for fire service ambulances: 13.3 minutes.
 - 90% fractal: 20.5%
 - **100% compliance was recorded with the new BEFAST worksheet developed by the CARS committee.**
 - “Unsteady gain/bearing?” was the most common BEFAST question to have a “New” response.