Healthcare Organization Commitment

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APSS

What Patient Safety Challenge does your Commitment address?
Challenge 7B - Detecting Critical Congenital Heart Disease in Newborns

Commitment Name
Detection of Critical Congenital Heart Disease (CCHD) in Newborns - Update - 12.30.2019
How many hospitals are represented in this commitment?

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<th>Last Report</th>
<th>Current</th>
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Did you download and use the APSS in tandem with your action plan?
Yes

If yes, was the APSS valuable?
Yes

Self Assessment Tool

Create a universal pulse oximetry screening program

| Choose a proven technology that can accurately monitor and read through during motion and low perfusion | Yes |
| Example: Masimo SET pulse oximetry (until another technology is proven to be equivalent) |
| Determine the screening protocol: |
| Screen newborns more than 24 hours after delivery or before discharge |
| Get pulse oximetry measurements from preductal (right hand) and postductal (either foot) sites. The following results should be considered positive and require further testing: |
| SpO2 of less than 90% from any site, or SpO2 of less than 95% from the right hand or either foot. For these results, take 2nd and 3rd measurements, and: |
| If the 2nd and 3rd measurements are greater than 95%, the screening is negative |
| If the 2nd and 3rd measurements are less than 95%, the screening is positive |
| A greater-than 3% difference in SpO2 measurements between the right hand and either foot. For these results, take 2nd and 3rd measurements as described in the items above. | Yes |
Take a perfusion index (PI) measurement: Yes

For a PI measurement of less than 0.7, increase the need for assessment Yes

For a PI measurement of less than 0.4, assess the baby immediately Yes

Provide regular pulse oximetry screening training for all care providers. This will help them: Yes

Engage with families Yes

Understand protocols for positive screenings Yes

Understand the results reporting policy Yes

Develop a process for continuous improvement:

Educate and communicate with staff Yes

Implement measures to improve processes to meet the universal newborn screening objective Yes

Use patient stories – in written and video forms – to find gaps and inspire change in your staff Yes

Boxes Marked Yes: 17

Your Score: 100%

Commitment Details

Commitment Update
The strategies described in the action plan have been implemented, which has allowed us to improve the screening processes. The actions that will continue to be carried out to strengthen the process include: - Increase the percentage of studies carried out in newborn patients through education with family members about the importance of performing this screening. - Continuous training of health personnel on the importance of screening studies - Analysis of the metrics related to the cardiological screening process.
Please describe any best practices your organization has learned through your commitment and share valuable lessons or challenges that were overcome. The importance of carrying out diagnostic studies in the first hours of birth has allowed the identification of congenital heart disease and being able to provide treatment in a timely manner.

**Action Plan**

**Impact Details**

**Lives Saved**

**Lives Spared Total**
0.5774999999999993

For reporting purposes, the number has been rounded up to the nearest whole number. **Lives Spared Total**
1

**Acknowledgement**
Yes, I acknowledge that this commitment may be used for external communication and publicly announced at the World Patient Safety, Science & Technology Summit. Furthermore, I agree that this commitment may appear on the website of The Patient Safety Movement Foundation or the Masimo Foundation. I also give permission for my commitment to be used in support of the promotion of the World Patient Safety, Science & Technology Summit as well as The Patient Safety Movement initiative.