We assess. Can Med Substantial tracings S, C, J J. Intra Obstet A, 1996;25: 137 and inter O, Koss KS, cardiotocogram Weighted kappa was used for ordered categorical Agreement Statistical analysis performed using Cohen Group instruction of all labor and delivery team members Szabo Fetal heart rate (FHR) monitoring is (simple), teaching. Med 2005; 33: 241 Scand Med 1998;43:367 0.69 (simple), 0.72 (simple), 0.80 0.73 (weighted) 0.72 (simple), 0.79 (weighted) 0.85 (weighted) Nearly-perfect Substantial Nearly-perfect Substantial Substantial Perfect Perfect Perfect Perfect Perfect Perfect Perfect Perfect Perfect Perfect Perfect Perfect Perfect Perfect Perfect Perfect Perfect Perfect Perfect Perfect Nearly-perfect Nearly-perfect The development and evaluation of a computer-assisted teaching programme for intrapartum fetal monitoring. Br J Obstet Gynaecol 2009;116:1138 – 1144. The National Institute of Child Health and Human Development (NICHD) published updated FHR interpretation guidelines in 2008. To address this, the National Institute of Child Health and Human Development (NICHD) published updated FHR interpretation guidelines in 2008. To facilitate their implementation at Froedtert Hospital and the Medical College of Wisconsin, quarterly conferences were held where nurses and physicians reviewed FHR tracings using these guidelines. We studied intra-observer variability in FHR tracing interpretation among providers who attended at least three of these strip review sessions.

### Methods

- Providers who had attended at least three conferences were recruited to review 15 tracings. These tracings were particularly challenging, in order to test the finer points of the NICHD definitions.
- Staff physicians (6), residents (12) and L&D nurses (4) participated.
- For each strip, reviewers interpreted baseline; variability; presence of accelerations; presence of; and type, of decelerations; contraction patterns; and category.
- After a minimum of 30 days had elapsed, reviewers were asked to re-interpret the same tracings in a shuffled order.
- A statistical analysis performed using Cohen-Kappa.
- Weighted kappa was used for ordered categorical variables such as baseline, category and variability.

### Conclusions

- We found much higher agreement, even with difficult strips that required detailed knowledge of the guidelines, than previous authors.
- Group instruction of all labor and delivery team members in the 2008 NICHD guidelines led to nearly-perfect agreement in the interpretation of the key FHT elements that assess fetal acid-base status – accelerations and variability.
- Other institutions may benefit from implementing similar multi-disciplinary sessions aimed at interpreting FHT tracings using the 2008 NICHD guidelines.

### References