CONCUSSION BINGO 2017

PROJECT BACKGROUND

Five regional sports concussion seminars were held across Missouri through collaboration with the Brain Injury Association of Missouri, the Missouri Department of Health and Senior Services, and the University of Missouri Kansas City - Institute for Human Development.

A self-assessment form, Concussion BINGO - Are you prepared?, was shared with all seminar participants with the intent to gather information on if and how frequently Missouri schools implement a variety of TBI screening and education policies and practices.

WHO PARTICIPATED?

252 Concussion Bingo forms received from 750 attendees across Missouri

Percentage of attendees who completed Concussion Bingo form by workshop location:
- Cape Girardeau: 18.0%
- Kansas City: 41.5%
- Saint Louis: 25.0%
- Columbia: 40.4%
- Springfield: 34.4%

Primary roles of attendees who completed BINGO forms:

WHAT IS CONCUSSION BINGO?

As topics were discussed throughout the seminar, attendees were asked to complete the Concussion BINGO assessment (as pictured below) with regard to their concussion management practices within their school or team.

Ratings for each item range from 0 = does not currently implement to 5 = yes, implementing 100% of the time. Additional ratings include:
- 1 = implementing up to 24% of the time;
- 2 = implementing between 25-49% of the time;
- 3 = implementing between 50-74% of the time; and
- 4 = implementing between 75-100% of the time.

CONCUSSION BINGO RESULTS

3.8 Overall average rating statewide for both 2016 and 2017. Note: a rating of 3 = implementation of the policy or practice 50-74% of the time.

Concussion BINGO ratings remained relatively stable from 2016 to 2017 throughout each of the 5 regions.

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Columbia, Kansas City, Springfield, and St. Louis region respondents reported having an "ambulance at all contests" was implemented less than 50% of the time, on average. Other policies or practices implemented less than 50% of the time included:

- **KANSAS CITY**
  - "financial commitment to best practice"
- **SPRINGFIELD**
  - "team doctor"
  - "baseline testing"
  - "school board meeting and education"
- **ST. LOUIS**
  - "ambulance at some contests"
  - "school board meeting and education"

**Average Statewide Ratings**

- **"Physical evaluation form"**
  - Rated 4.5
  - Highest average rating statewide
  - Note: a rating of 4 = implementation of the policy or practice between 75-100% of the time.

- **"Ambulance at all contests"**
  - Rated 2.6
  - Lowest average rating statewide
  - Note: a rating of 2 = implementation of the policy or practice between 25-49% of the time.

Additional policy or practice items that received an average statewide rating of 4.0 or higher include:

- Return to play form
- Coach's education
- Safety equipment check
- School nurse education
- Emergency action plan

**Overall Statistically Significant Rating Changes from 2016 to 2017**

- **Increased Ratings**
  - "emergency action plan practice"
  - "administration meeting and education"

- **Decreased Ratings**
  - "certified athletic trainer (part-time)"
  - "pre-participation physical education form"

**Statistically Significant Rating Changes by Region, 2016 to 2017**

*NOTE: Given the diversity in respondents' professional roles, their knowledge and awareness of current policies and practices within their organization may vary. Moreover, given the low sample sizes from some of the regions, results should be interpreted with caution.*