Objective

- Provide update on data currently in the Jockey Injury Database
- Provide Considerations for Future Directions

http://youtu.be/RzyJYH0kMVE
The new data collection system has been created with the assistance of Keeneland, The Jockey Club and the National Thoroughbred Racing Association (NTRA) Safety and Integrity Alliance.

Jockeys' Guild announces launch of Jockey Injury Database; aim is to track trends, protect riders

CHOLASVILLE, Ky. (April 4, 2012) – The Jockeys' Guild today announced the creation of the Jockey Injury Database, a new program aimed at preventing rider injuries in the future.

The Jockey Injury Database will collect information on jockey injuries at racetracks, including where, when and how injuries occurred, what type of equipment riders were wearing at the time, and the nature and severity of the injuries.

When a jockey injury occurs, the information will be gathered confidentially by medical personnel at racetracks, as well as by Guild representatives, and then entered into a database to be analyzed at a later date. In the database, jockeys will not be identified by name, nor will the tracks where incidents occur.
Professional Jockeys
• On average weigh approximately 110 pounds

• Reported to be in better physical condition than professional football, baseball, basketball, and hockey players.

Professional Jockeys
• Ride an animal which weighs approximately 2,000 pounds, running at speeds of 45 mph.

• Injuries at these speeds can have catastrophic consequences
## Jockey Injury Database

Currently 369 entries

| 1. Date | 10/20/16 |
| 2. Type of Injury | Knocked off or fell |
| 3. Location of Injuries | Knee, elbow, and ankle |
| 4. Jockey | John Velazquez |
| 5. Race Track | Belmont Park |
| 6. Race | G1 - Queen Elizabeth II Challenge Cup |
| 7. Race Number | 9 |
| 8. Distance | 1 1/4 miles |
| 9. Race Notes | Injured on the track after the fall |

### Race Notes:
- Injured on the track after the fall
- Received immediate medical care
- Sent to the hospital for further treatment

### Medical History:
- Fractures: Right ankle, left elbow, left knee
- Dislocations: Right elbow

### Race Details:
- Winning Jockey: John Velazquez
- Winning Trainer: Todd Pletcher
- Winning Owner: Robert M. Florey

### Aftercare:
- Follow-up with a specialist
- Physical therapy for 6 weeks
- Rest for 4 weeks

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### Additional Notes:
- Jockey also received a sprain in the right ankle during the fall.
- Further tests revealed a minor tear in the left knee.

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### Contact Information:
- Dr. Michael Smith
- 555 Horse Owners Blvd
- Phone: (123) 456-7890

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### Insurance Details:
- Policy Number: 12345678
- Coverage Amount: $500,000

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### Return to Racing:
- Medical clearance required
- 2 weeks of rest
- 1 week of light exercise

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### Race Results:
- Finisher: 3rd
- Time: 1:45.67
- Margin: 1 1/4 lengths

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### Injury Prevention:
- Wear proper protective gear
- Regular physical therapy
- Balance and strength training
• Of the 148 incidents where there was an injury, 111 did not return the same day and 37 were able to return the same day.

• 263 total incidents in database where a jockey came off a horse.

• Of those, 163 resulted in an injury.

• Therefore for the data that we currently have, half of the times a jockey comes unseated they will suffer an injury!

• Number of Days Out
  Mean  16.7  36.01
  Median 1.5
  Mode  0
Challenges

• In order to capture the incidence of an injury

Incidence:
Number of new cases of the disease/injury over a period of time
Number of people at risk during that period

Absolute incidence rate: Number of injuries
Number of exposure-events (games)

Relative incidence rate: Number of new cases
Population time

Incidence

• Need Number of
  – Race Rides
  – Races
  – Race Meets

  – Usually Number of new injuries or Fall per 1000 exposures or per 1000 race rides

Future Considerations

• Under representative data
  – Based on 1993-1996 study by waller 6500 injuries
  – Therefore ~ 1000-2000 per year
Future Considerations

- COOPERATION OF
  - JOCKEYS
  - Tracks
  - Regional Managers
- Initiative
- Importance of factors we can’t control
- Common denominator
- Accreditation

Identification of Injuries will provide the ability to better protect and seek preventative mechanisms to put the welfare of the Jockey at the forefront

Better understanding equipment needs and Medical Response

Thanks
January 16, 2009

Thank You!