

## Big Data Commission

### 2023 Annual Report

#### MEMBERS

Colin Josephson (Canada), chair  
Elenora Aronica (Netherlands)  
Sandor Beniczky (Denmark)  
Danielle Boyce (USA)  
Gianpiero Cavalleri (Ireland)  
Spiros Denaxas (UK)  
Jacqueline French (USA)  
Lara Jehi (USA)  
Hyunyong Koh (USA)

Patrick Kwan (Australia)  
Samden Lhatoo (USA)  
James Mitchell (UK)  
Stefan Rampp (Germany)  
Lynette Sadleir (New Zealand)  
Irene Wang (USA)  
Brett Youngerman (USA)  
Samuel Wiebe (Canada), MC liaison

#### COMMON DATA MODEL TASK FORCE

Colin Josephson (Canada), chair  
Danielle Boyce (USA)  
Spiros Denaxas (UK)

James Mitchell (UK)  
Samuel Wiebe (Canada)  
Brett Youngerman (USA)

#### EEG Data TASK FORCE

Sandor Beniczky (Denmark), co-chair  
Stefan Rampp (Germany), co-chair  
Harald Aurlien (Norway)  
Benjamin Brinkmann (USA)

Birgit Frauscher (Canada)  
Jonathan Halford (USA)  
Andreas Schulze-Bonhage (Germany)

#### MRI Data TASK FORCE

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Ezequiel Gleichgerrcht (USA)  
Carrie McDonald (USA)  
Victoria Morgan (USA)

Sanjay Sisodiya (UK)  
David Vaughan (Australia)  
Clarissa Yasuda (Brazil)  
Kai Zhang (China)

#### SNOMED TASK FORCE

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Derrick Chan (Singapore)  
J. Helen Cross (UK)  
Colin Josephson (Canada)  
David Lewis-Smith (UK)  
Rima Nabbout (France)  
Robert Robinson (UK)

Guido Rubboli (Denmark)  
Ingrid Scheffer (Australia)  
Eugen Trinkka (Austria)  
Elaine Wirrell (USA)  
Yue-Hua Helen Zhang (China)  
Sameer M. Zuberi (UK)

## HIGHLIGHTS

- Ongoing update of SNOMED terminology.
- Creating a 'whitepaper' series on Big Data and AI in epilepsy to support the global community.
- Liaising with the Global Advocacy Committee to create a statement on the use of ethical AI in epilepsy.

## MEETINGS

The Big Data Commission held two meetings in 2023.

## ACTIVITIES

Meeting at the American Epilepsy Society Annual Meeting, December 2023 in Orlando, USA

## ACCOMPLISHMENTS

1. Ongoing update of SNOMED terminology: We have finished focal epilepsies and status epilepticus.
2. The first whitepaper was completed and is currently being reviewed by the Commission prior to publication.
3. An ethical Artificial intelligence (AI) team has been created who will liaise with the Global Advocacy Council to lobby for ethical AI in epilepsy.
4. A GitHub page has been created to facilitate understanding and deployment of Big Data and Common Data Models in the epilepsy realm.

*Report submitted by Colin Josephson*