

INTERNATIONAL ALLIANCE OF ALS/MND ASSOCIATIONS

## ALS/MND GENETICS

## WHY IS IT IMPORTANT TO UNDERSTAND GENETIC CAUSES OF DISEASE?



- Most people with ALS/MND develop the condition for unknown reasons.
- Some people with ALS/MND have a family history of the condition, or related disorders.
- B Historically, the above have been referred to as **sporadic and familial ALS/MND**, respectively.
- Genetic causes have not been identified in all people with familial ALS/MND.
- In some cases of sporadic ALS/MND, genetic causes have been identified.



genetic cause has not been identified.

- Our understanding of the role genetics plays in ALS/MND has advanced considerably.
- The field is moving away from a clear distinction between familial and sporadic ALS/MND, recognizing that ALS/MND exhibits a spectrum of inheritance patterns and genetic involvement.
- More than 40 genes have been identified as being associated with either causing or increasing the risk of developing ALS/MND.
- Incidence of these genetic mutations varies geographically.