

Audit of Valproate use in women of child bearing potential in Hywel Dda Health Board

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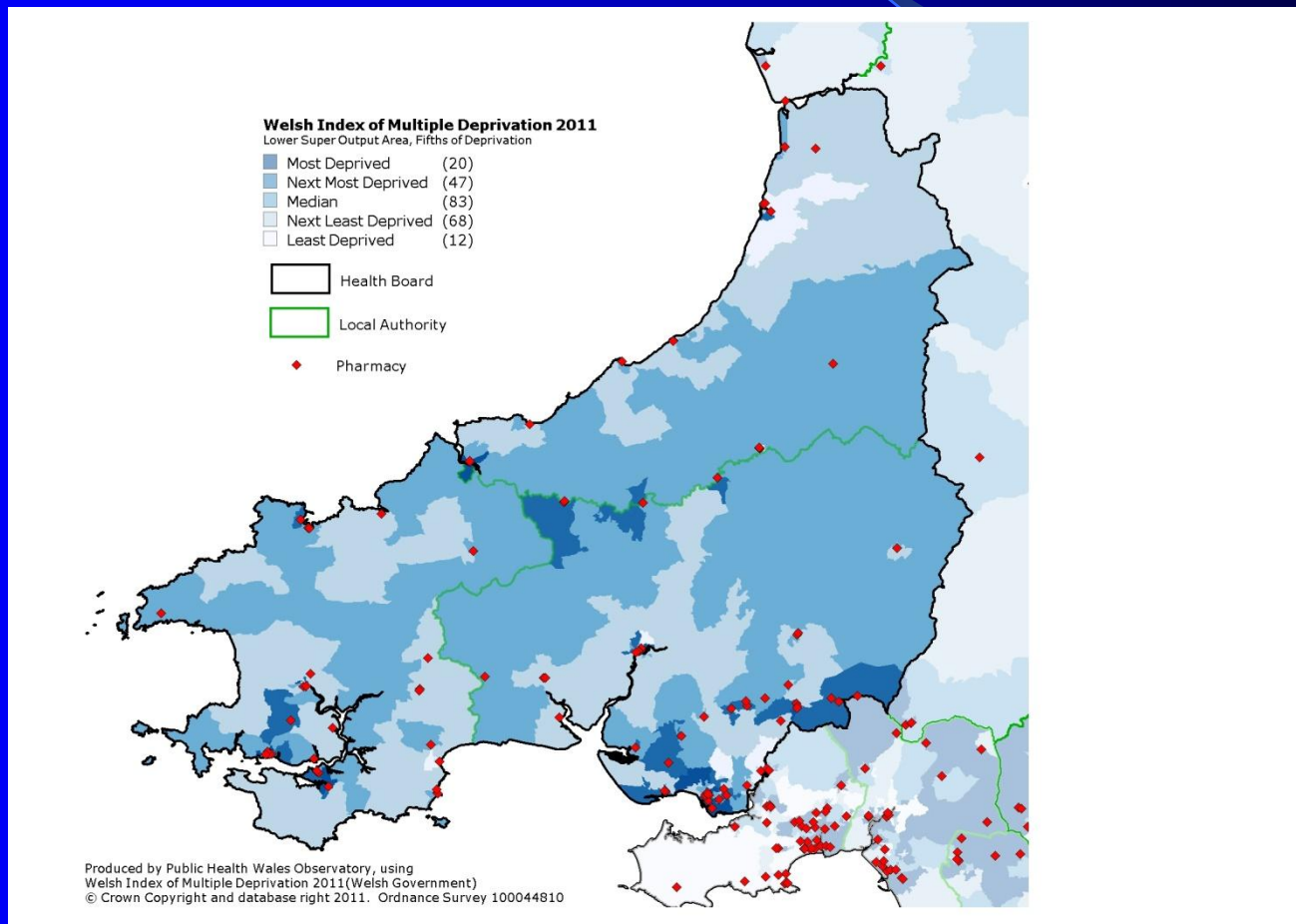
Background

- Valproate is bad for foetal development
- 4 in 10 babies born to mothers taking valproate are at risk of a developmental disorder.
- 1 in 10 at risk of MCM

Hywel Dda Health Board



Hywel Dda Health Board



Hywel Dda Health Board

- Population 392 000
- 2 WTE Neurologists (1 per 196 000)
- Presents particular problems due to geography and neurology provision

objective

How to audit valproate usage?

- Hospital data
- WWG pharmacy identified 15 women age 15-50 taking valproate in 12 months
- 28% - taking for Psychiatric disorder
- Only 20% currently under neurologist
- Limitation of audit based on hospital data

General practice data

- QOF (Quality and outcomes framework)
 - Part of GMS contract
 - Rewards practices for provision of quality of care
 - Central database – interrogates GP practice databases on monthly basis
 - Very useful

QOF database

- <https://www.gpcontract.co.uk/browse/862/Epilepsy/15>
- Useful for analysing patterns of disease
 - Differences in referral patterns
 - <https://www.gpcontract.co.uk/browse/W92065/Epilepsy/15>
 - Disease prevalence
 - <https://www.gpcontract.co.uk/browse/862/Epilepsy/15>

QOF database

- No of Women < 55 taking anticonvulsants in Hywel Dda = 508
- No received info/counselling = 488 (96%)
- <https://www.gpcontract.co.uk/browse/862/Epilepsy/15>

Limitations

- No info in respect to specific anticonvulsants or advice

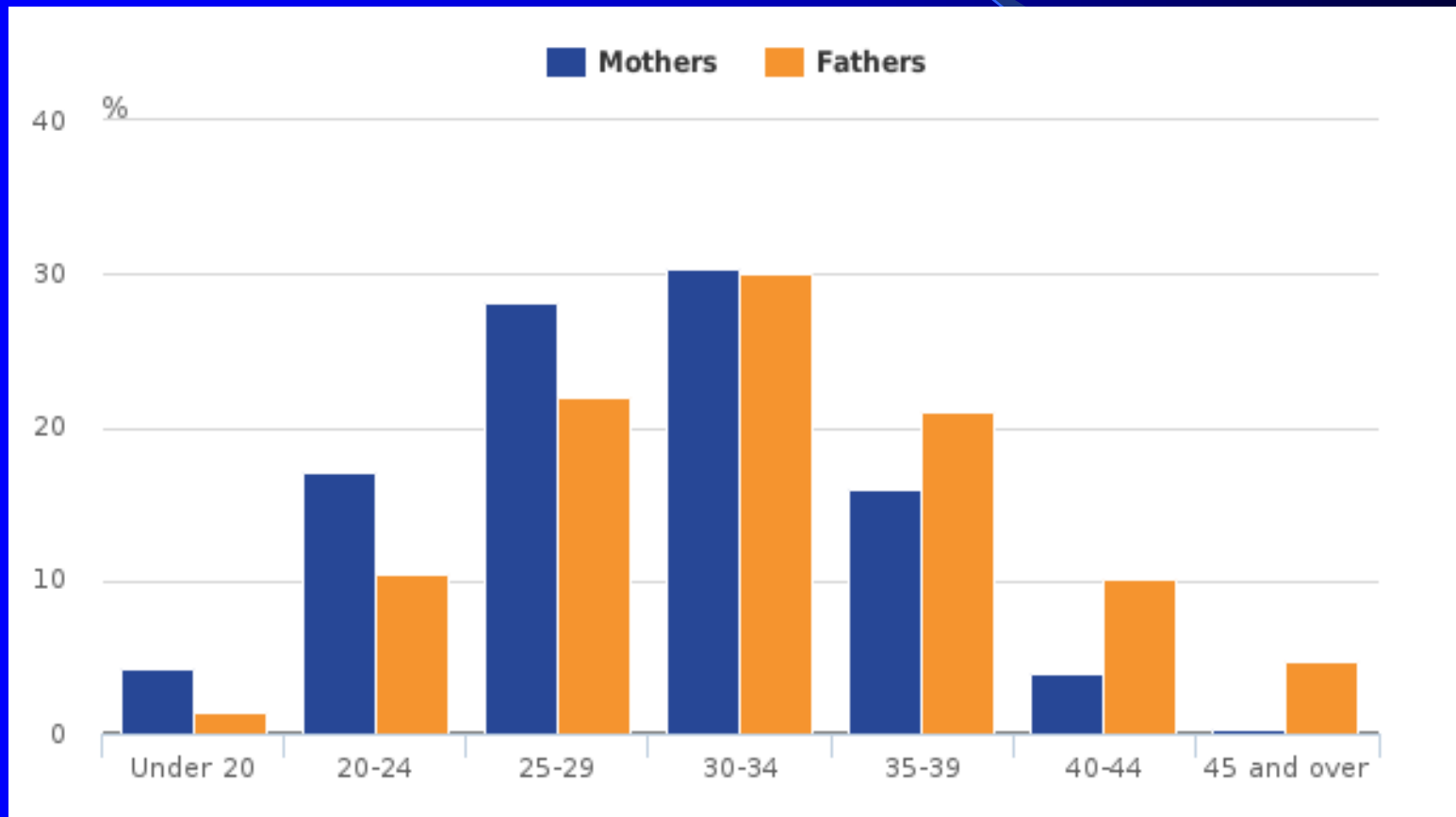
GP practice Data

- GP practices contacted
- Requested to provide numbers and/or details of women taking valproate <55
- 22/46 practices responded
- Collective list size 156000 (40%)

The Practice data

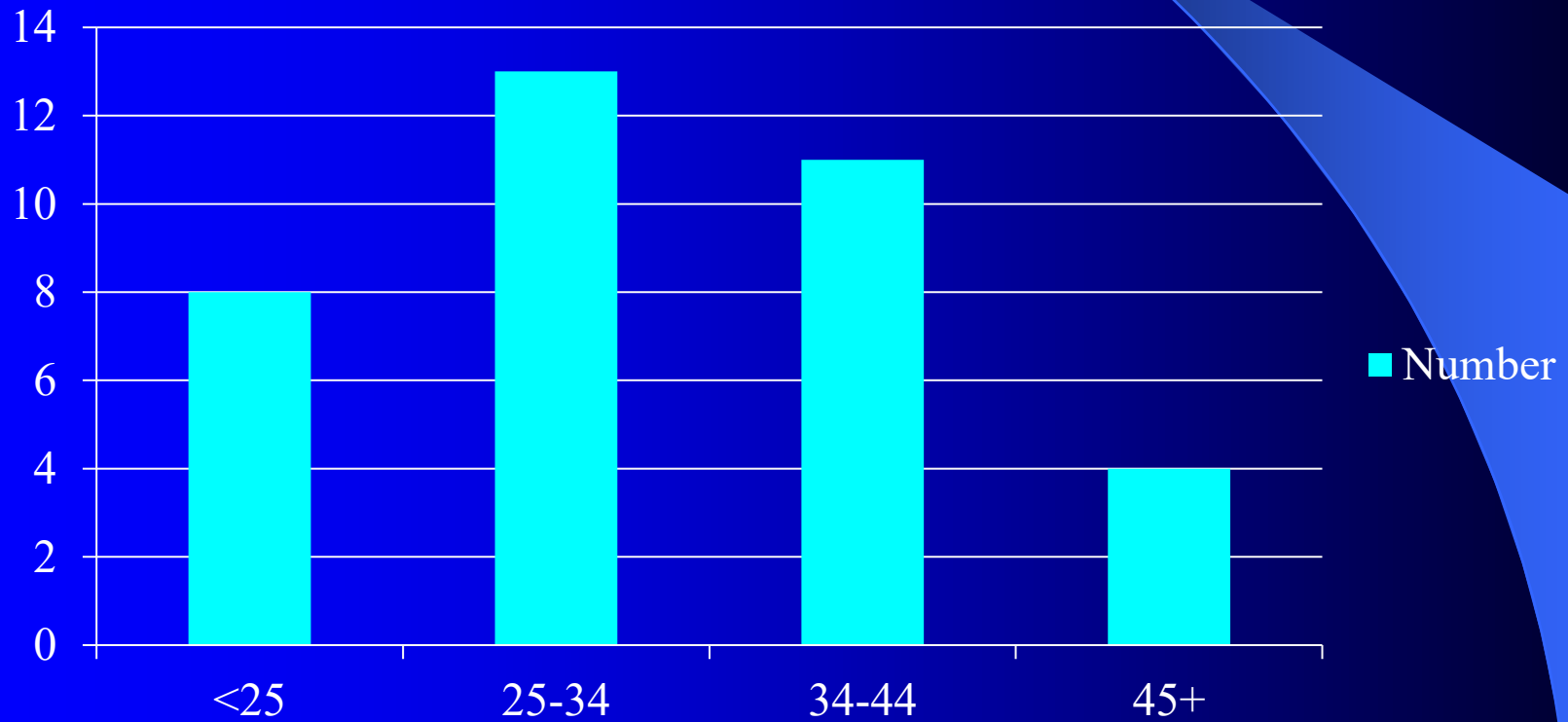
- 208 women <55 on anticonvulsant
 - 88% (96%) EP003W
- 36 (17%) taking valproate

Office National statistics



Demographics

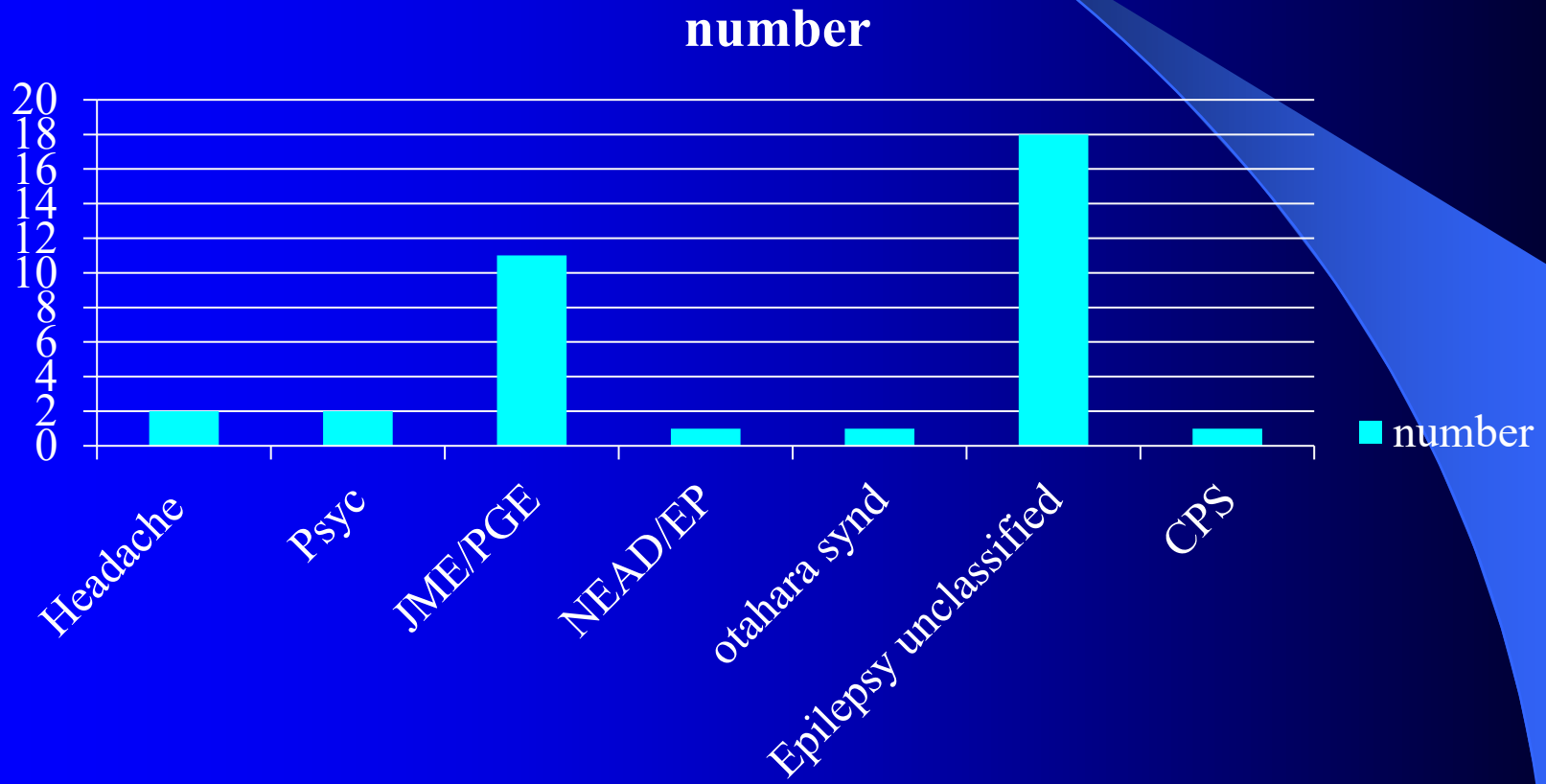
Number



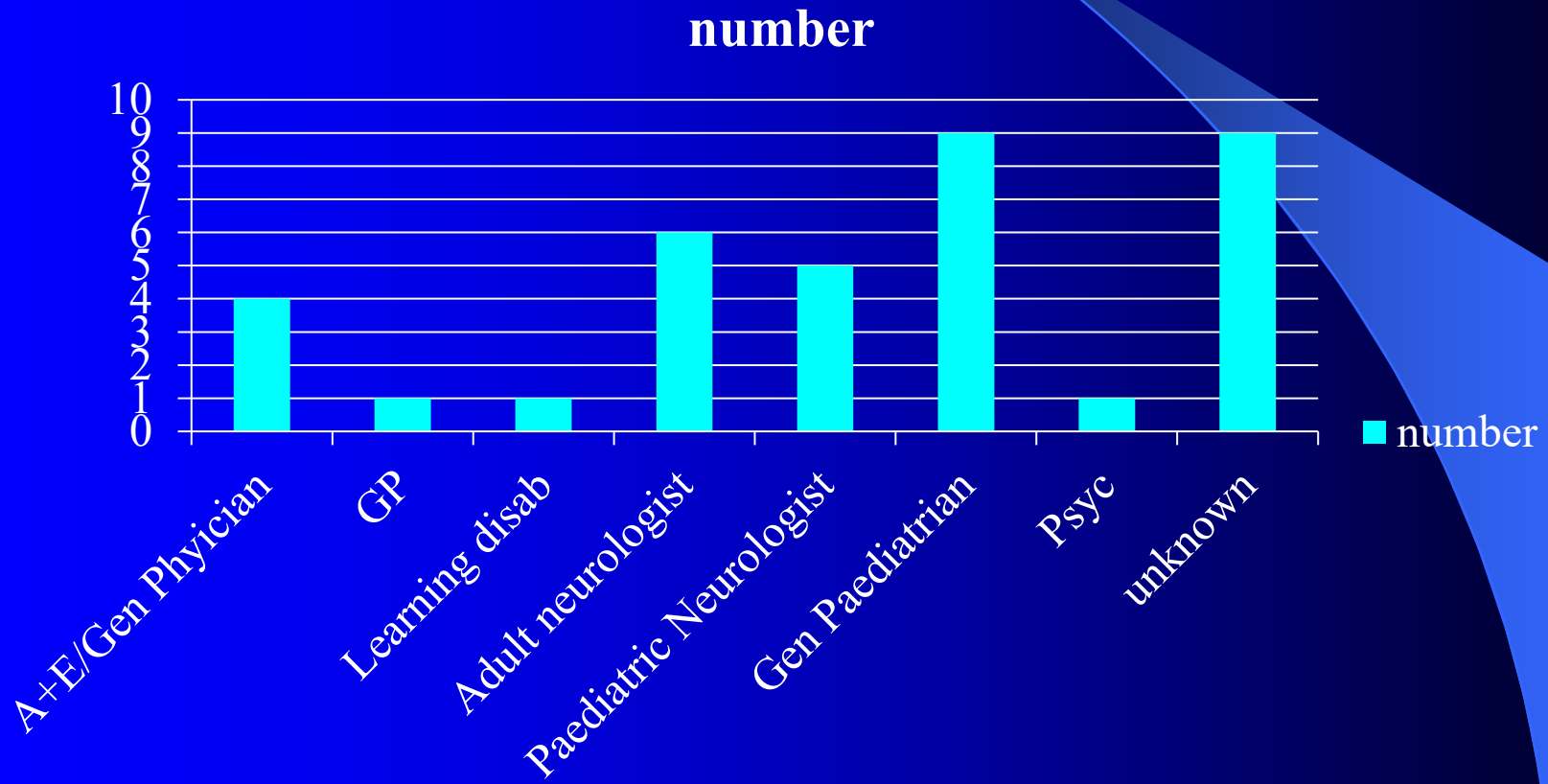
Age when valproate started

- Mean - 18
- Median - 14

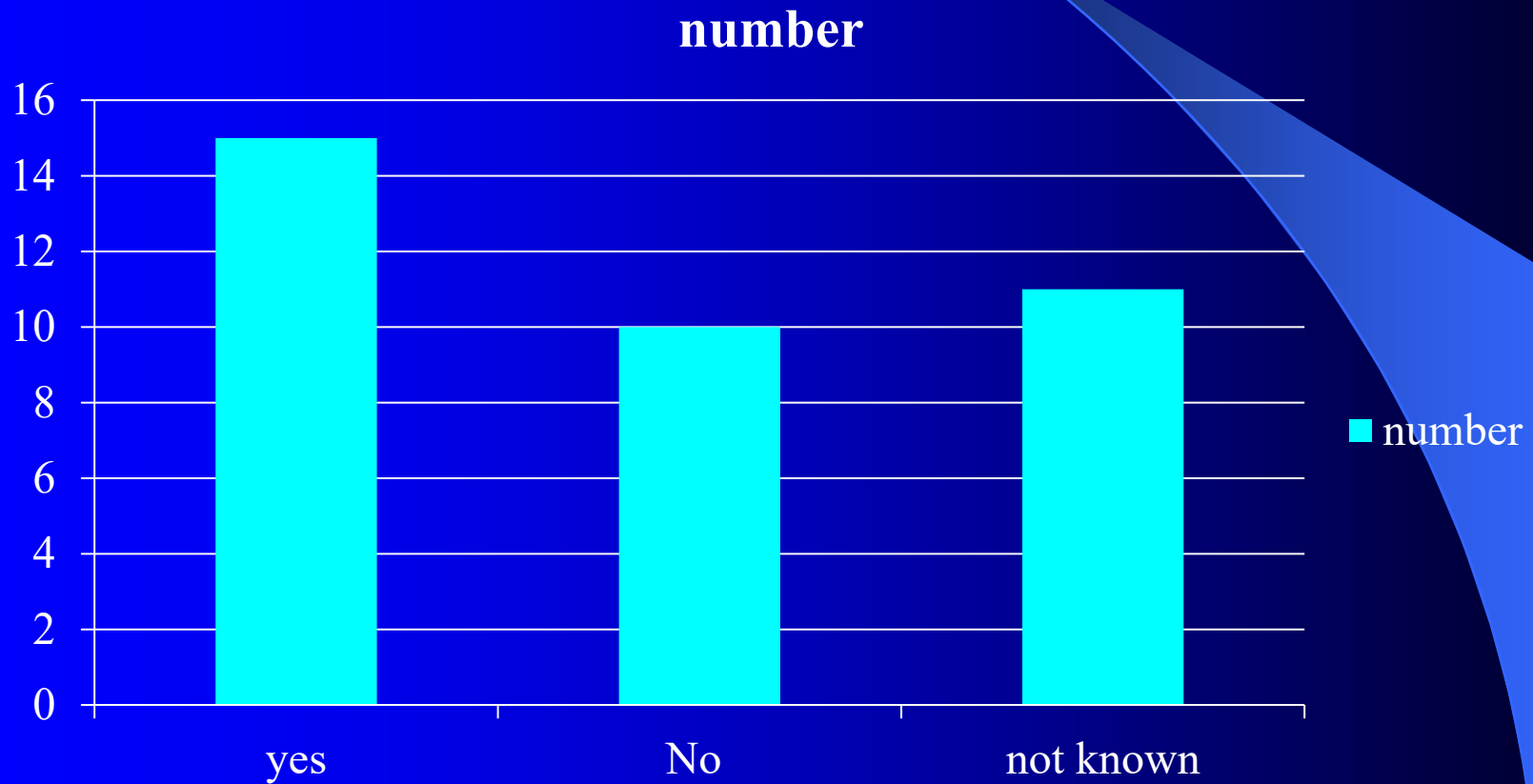
Diagnosis



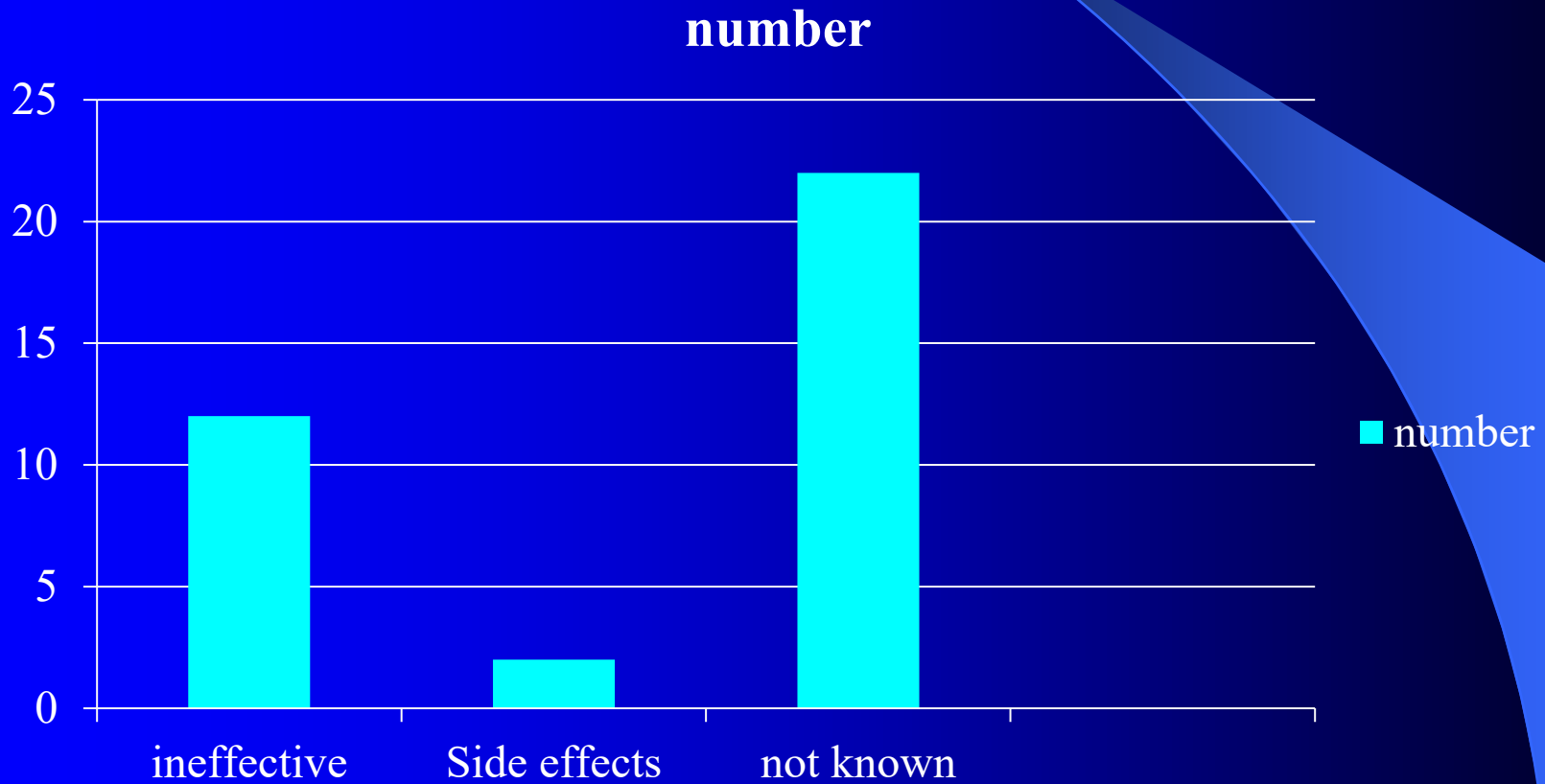
Who initiated valproate



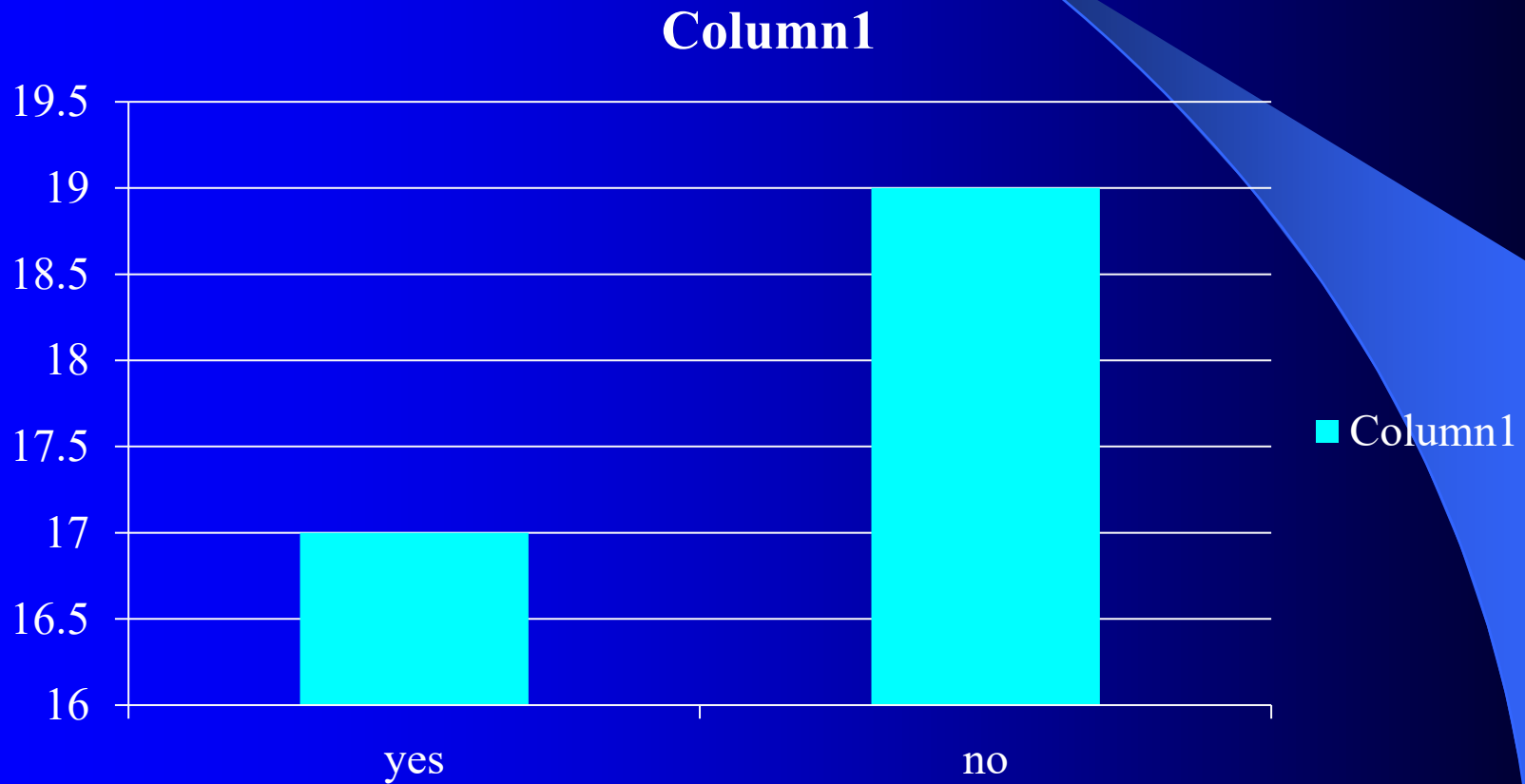
Where alternatives tried



Reason alternative discontinued



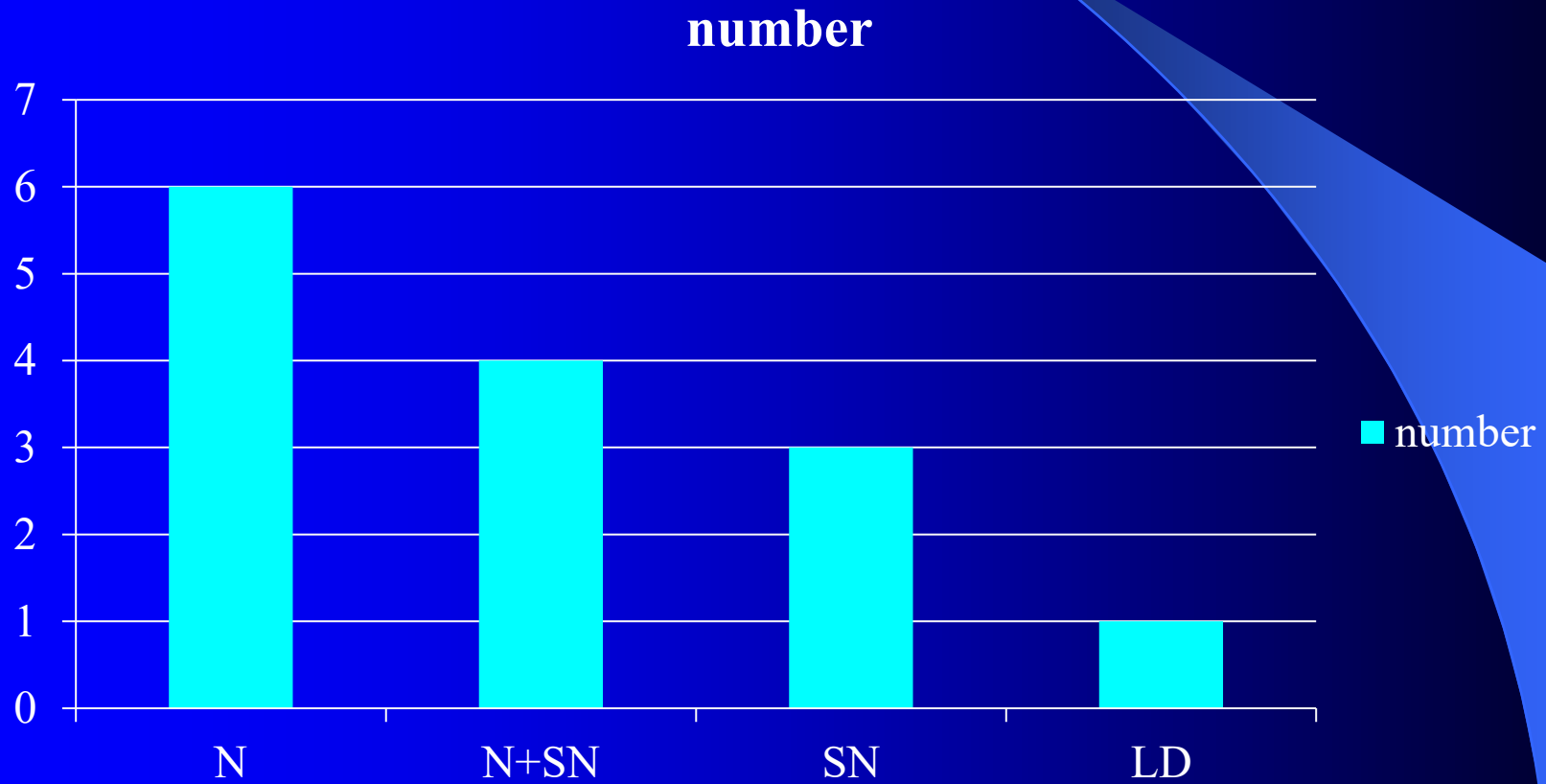
Currently under Neurologist



Child bearing potential

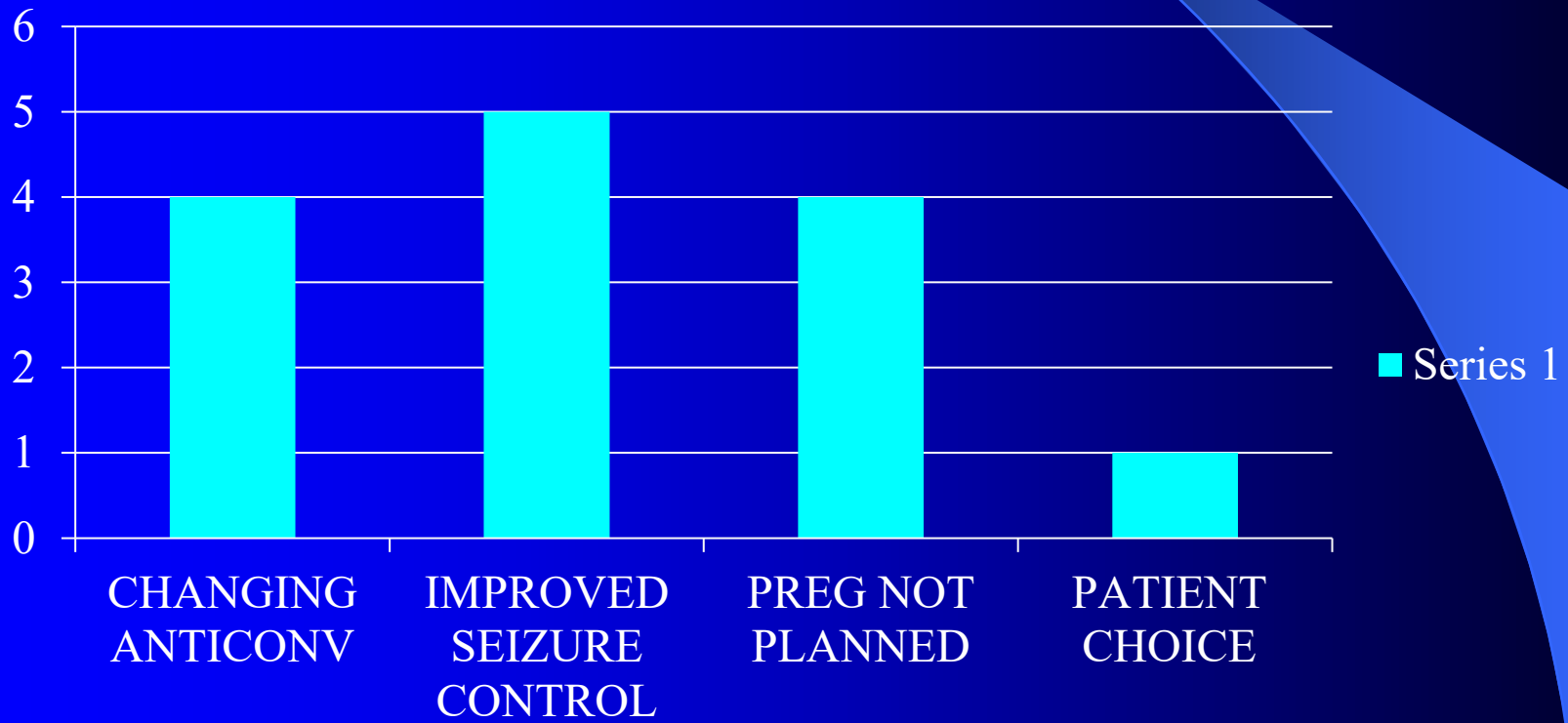
- No in whom pregnancy unlikely or taking for Psych = 8
- No of women of CBP = 28
- No under Neurologist = 15/28 (54%)
- Risk Documented = 19/28 (68%)
- Performance Neurologist = 14/15 (93%)
- Performance others = 4/13 (31%)

Who discussed risk?



Rational for valproate

Series 1



Conclusion

- Approx half patient on valproate under active review by neuro team Hywel Dda.
 - Probably approximately 35 patients with epilepsy in Hywel Dda NOT under neurology
- Specific advice best given by Neuro Team
- Plans: Request GP practices identify patients for referral to Neuro team