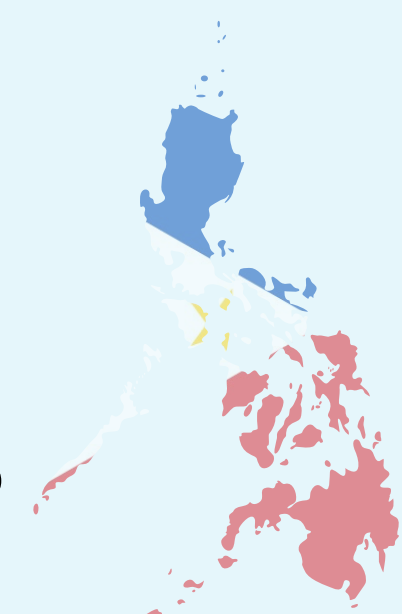


CLINICAL PROFILE OF PATIENTS WITH NEURODEVELOPMENTAL CONDITIONS LIVING IN GEOGRAPHICALLY ISOLATED DISADVANTAGED AREAS (GIDA)

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INTRODUCTION

Telemedicine in Developmental and Behavioral Pediatrics was initiated in order to identify children with special needs in GIDA.

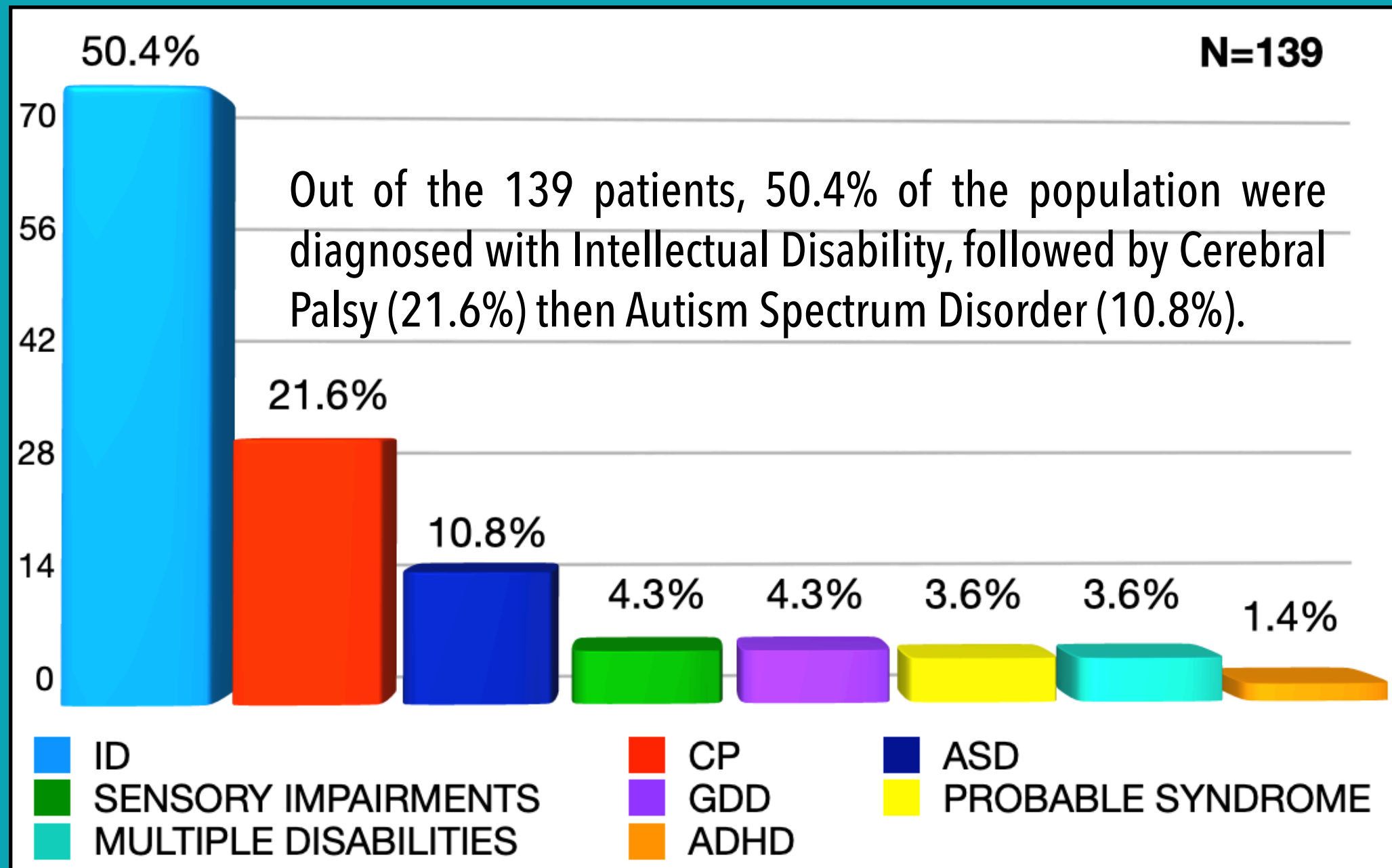
OBJECTIVES

To describe the demographic and clinical profile of patients with developmental and behavioral conditions at Marinduque, Philippines who were seen via Telemedicine Consultation from 2015-2020.

METHODOLOGY

A descriptive cross-sectional study was done in 139 patients with neurodevelopmental conditions, seen via Telemedicine from 2015 to 2020. Profile was presented using frequency and percentage for qualitative data and mean and standard deviation for quantitative data.

RESULTS



N=139

Out of the 139 patients, 50.4% of the population were diagnosed with Intellectual Disability, followed by Cerebral Palsy (21.6%) then Autism Spectrum Disorder (10.8%).

Diagnosis	Percentage
ID	50.4%
CP	21.6%
ASD	10.8%
SENSORY IMPAIRMENTS	4.3%
GDD	4.3%
PROBABLE SYNDROME	3.6%
MULTIPLE DISABILITIES	3.6%
ADHD	1.4%

CLINICAL PROFILE

- Most common presentation:
 - Learning difficulties (44.6%);
 - Motor delay (25.6%)
 - Behavioral concerns (15.1%)
 - Feeding concerns (15.1%)
 - Sleep concerns (10.8%)
- Full term (87.8%)
- Normal spontaneous delivery (91.4%)
- Home delivery (42.4%)
- Malnutrition (53.3%)
- Low birth history (20.9%)
- Perinatal asphyxia (15.8%)
- Multiparty (11.5%)
- Maternal illness (11.5%)
- Family history of seizure, developmental concerns (58.2%)
- Unremarkable medical history (69.1%)

DEMOGRAPHIC PROFILE

Mean age of diagnosis:	8.1 years old
Gender:	Male (66.9)
Referrals from:	Teachers (61.9%)
School placement:	Regular School (44%) SPED School (24%)

CONCLUSION

- The possible implication of the results of this study provides a starting point in evaluating their needs.
- The most common conditions identified were Intellectual Disability and Cerebral Palsy with a background history of maternal illness, asphyxia, LBW and malnutrition.
- These preventable variables should be prioritized through provision of adequate maternal care and access to health services.
- This study also pioneered Telemedicine in Developmental and Behavioral Pediatrics in the Philippines and has helped children from remote areas be evaluated by an expert in the field.