

EXPLORATORY ANALYSIS ON MISSED APPOINTMENTS IN A HEADACHE CLINIC



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BACKGROUND

Headache is the second leading cause of morbidity worldwide improvements in migraine therapy did not translate in overall reduction in disability^[1]

Frequent follow-up is usually needed in the approach of patients with headache and therefore **missed patient appointments** represent:

- one of the obstacles to reaching good outcomes
- resource inefficiency ^[2]

AIM

- To identify **risk factors for absenteeism** in a headache clinic

METHODS

- Retrospective cohort study of all appointments to the headache clinic,

Studies on absenteeism suggest an association with factors such as younger age, lower income/literacy and depression

Targeted strategies were effective^[3]

between June 2017 and February 2019

- Descriptive and inferential analysis of patient and appointment

characteristics (SPSS 25[®])

RESULTS

Table 1 – Characteristics of Scheduled Population

	Overall	Shows	No-shows	P-value
 Social and demographic factors 				
Age, years (median)	39	44	35,5	0,011
Gender (female, %)	139 (83.2%)	68 (81.9%)	71 (84.5%)	0.653
Civil status - married/with partner	83 (58.0%)	50 (65.8%)	33 (49.3%)	0.046
Higher level education	29 (37.2%)	21 (45.7%)	8 (25.0%)	0.063
Currently employed	96 (71.1%)	56 (72.7%)	40 (69.0%)	0.633
Higher tier job	22 (19.0%)	13 (18.6%)	9 (19.6%)	0.795
Living near the hospital	146 (88%)	75 (90.3%)	71 (85.5%)	0.340
Disease factors				
Migraine diagnosis	92 (68.7%)	53 (63.9%)	39 (46.4%)	0.024
Analgesic overuse	28 (21.2%)	16 (19.3%)	12 (24.5%)	0.479
Psychiatric comorbidity	55 (32.9 %)	32 (38.6%)	23 (39.0%)	0.959
Major medical comorbidity	23 (13.8%)	13 (15.7%)	10 (16.7%)	0.872
Appointment factors				
Time since scheduled, days (median)	104	106	102	0.703
Primary care referral	108 (65.5%)	54 (65.1%)	54 (64.3%)	0.917
Appointment at morning period	139 (83.2%)	64 (77.1%)	75 (89.3%)	0.035
Appointment in a holiday week	39 (23.3%)	21 (25.3%)	18 (21.4%)	0.554
Appointment during Summer	28 (16.8%)	9 (10.8%)	19 (22.6%)	0.042



Global missed appointments frequency was 23.3% (84 in 360)

Overall, in a univariate analysis, the absenteeism group was:

younger less frequently married frequently scheduled scheduled

Patients with migraine diagnosis were more regular (46.4% vs 63.9%, p = 0.024)

ON FIRST APPOINTMENTS

- Same distribution of no-shows:

- In-hospital referrals (48.7% vs 69.5% referred by the general practitioner, p=0.017) and major medical co-morbidity (40.0% vs 13.3%, p=0.008) were also associated with no-shows

- However, in a multivariate analysis there were only two factors associated with no shows:





Summer appointment OR=73.7 (95% Cl 2.9 – 1855.6; p=0.009)

In-hospital referral OR=33.0 (95% Cl 1.6 – 679.1; p=0.023)

DISCUSSION AND CONCLUSIONS

This cohort of patients was representative of the usual population followed at a headache clinic (young, working adults with female predominance).

Most of our appointments took place in the morning period. Global absenteeism was 23.3%:

- Higher number during the **Summer**;
- In first appointments primary health care referrals missed less appointment \rightarrow closer bond with the general practitioner ?

We found no other association with sociodemographic factors (in the multivariate analysis) due to their possible collinearity.

This was a retrospective study, with possible information bias and some relevant variables may be missing.

Identifying such variables is key if this population is to be targeted for interventions.

BIBLIOGRAPHY:

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