



UNIVERSITY of MARYLAND
SCHOOL OF MEDICINE

Referral Gaps and Risk Factors for Long-Term Headaches in Patients with Craniofacial Fractures

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Posttraumatic headache is a
major public health issue



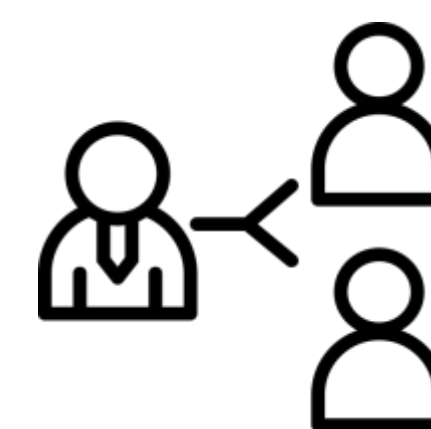
High morbidity and
impact on quality of
life



Increased
healthcare burden



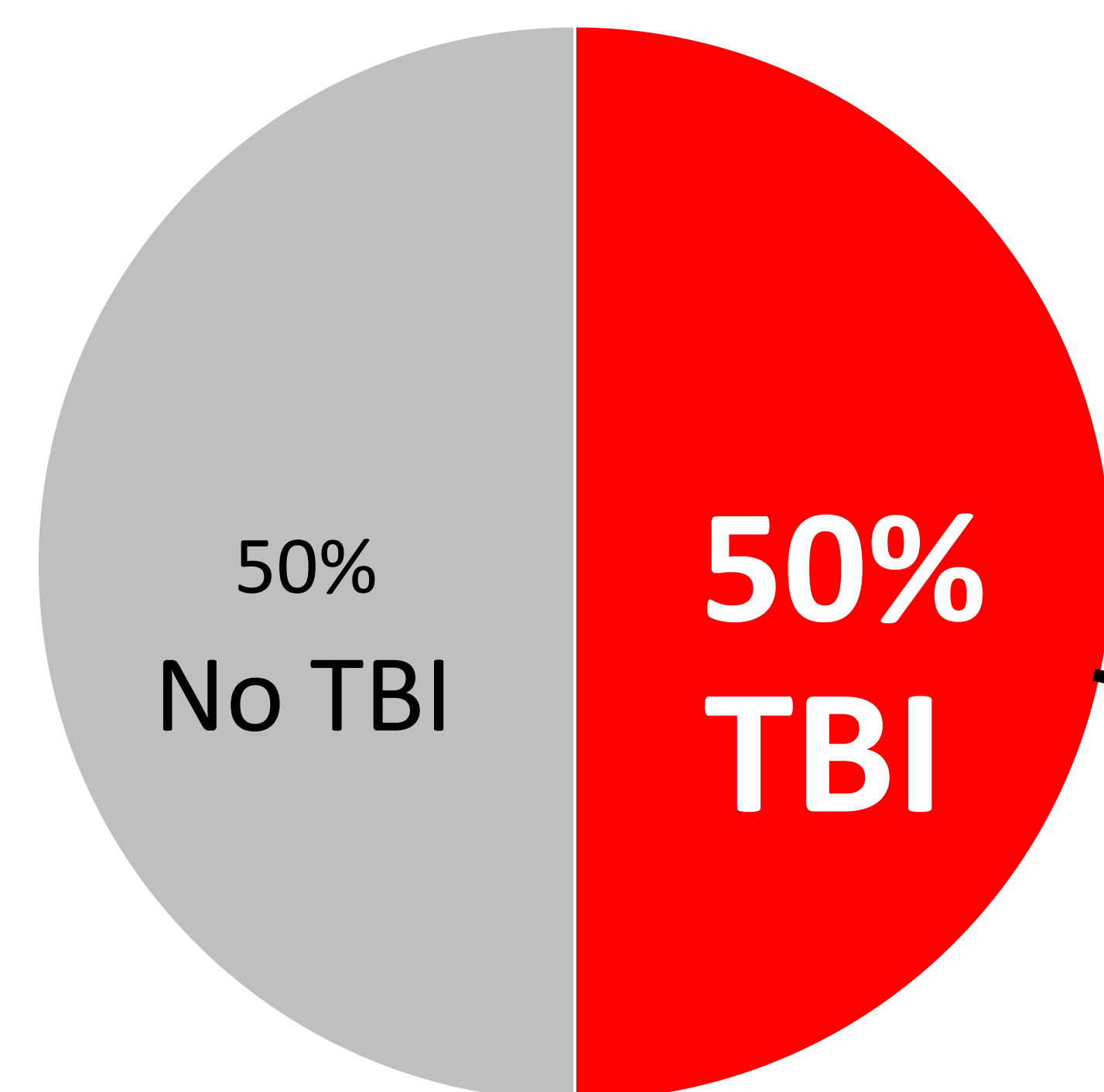
Limited access to
education and
resources



Gaps in
specialist
referrals

Patients with facial trauma are **not**
always managed properly

622 patients presented with **craniofacial fractures** to **Shock Trauma** in our retrospective cohort study (2018-2019)

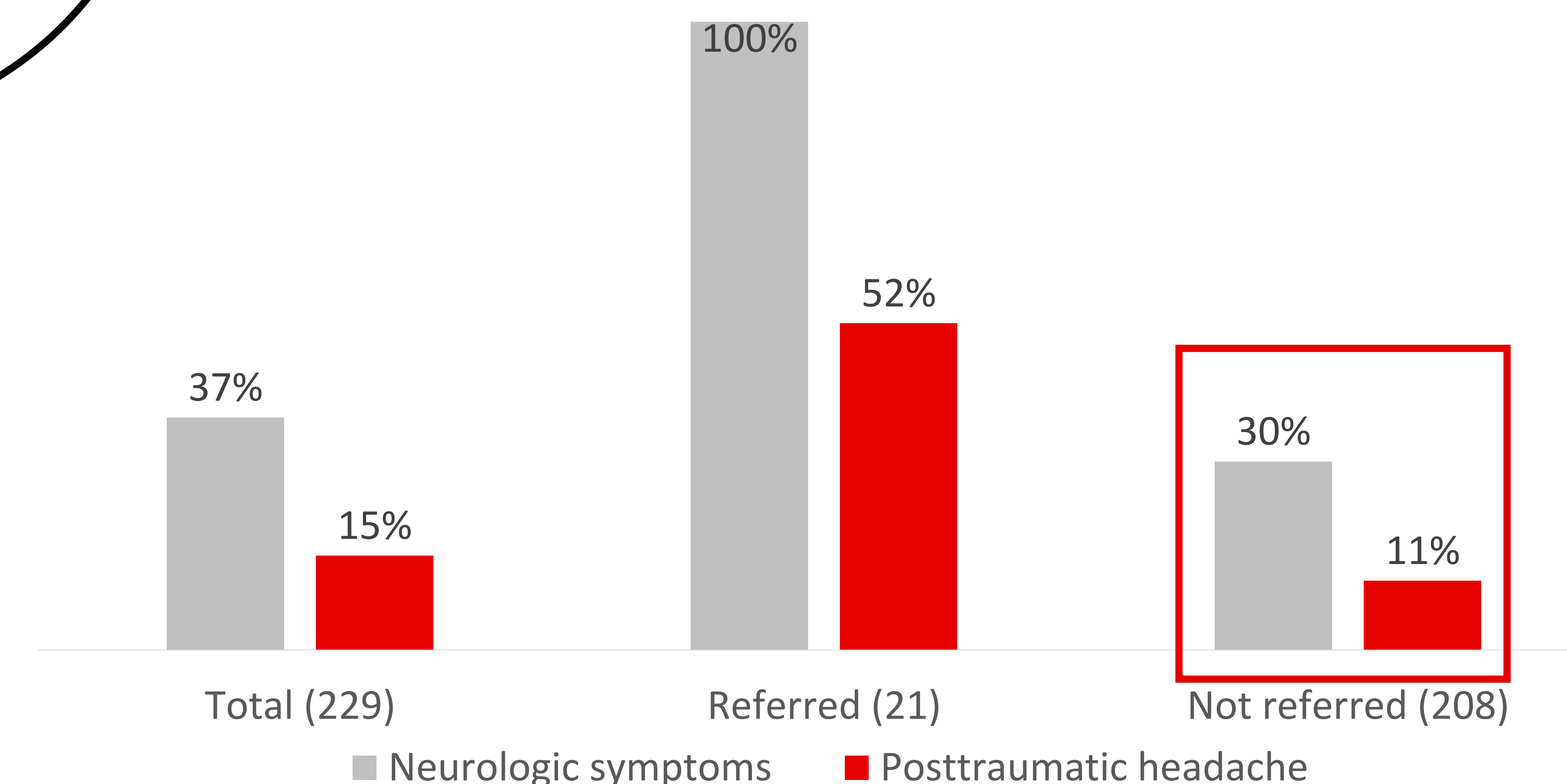


Up to **80%** of 310 patients with **TBI** on
presentation were **NOT referred** to
neurology/neurosurgery

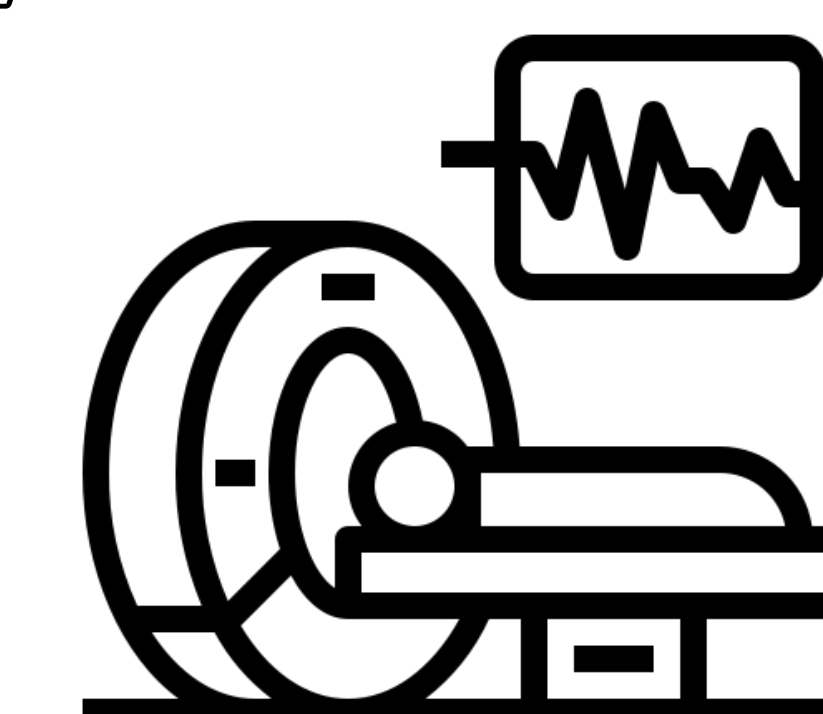
What are the **risk factors** for
posttraumatic headaches >one year
after injury?

How many patients with
craniofacial fractures reported
headaches **>one year later?**

15% of 229 patients who followed up for a median (IQR)
duration of **4 (2-5) years** reported **persistent** or **new-onset**
headaches



Using multivariable logistic
regression



Abnormal head CT scan findings
on presentation

aOR [95% CI] 5 [2-15]
 $P=0.004$

aOR [95% CI] 4 [1-14]
 $P=0.03$

Pre-trauma headaches