

## □ Median Progression-Free Survival (PFS)

**Definition:** Median Progression-Free Survival (PFS) is the **time (in months)** from the start of treatment (or diagnosis) until the disease **worsens (progresses)** or the patient **dies from any cause**, whichever occurs first — calculated across all patients in a study.

**“Median”** means that **half of the patients** had progression (or died) **before** this time point, and **half remained progression-free** beyond it.

**Use in neuro-oncology:** PFS is a key indicator of how long a treatment can **delay tumor growth** or **clinical deterioration**. In glioblastoma, typical median PFS after standard therapy is around **6-9 months**.

**Important:** PFS does **not necessarily reflect overall survival**, and may be affected by:

- Imaging interpretation variability (especially with pseudoprogression)
- Treatment toxicity
- Follow-up interval frequency

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