

Bayesian Networks For Improving Medical Pathways

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To treat or not to treat ?

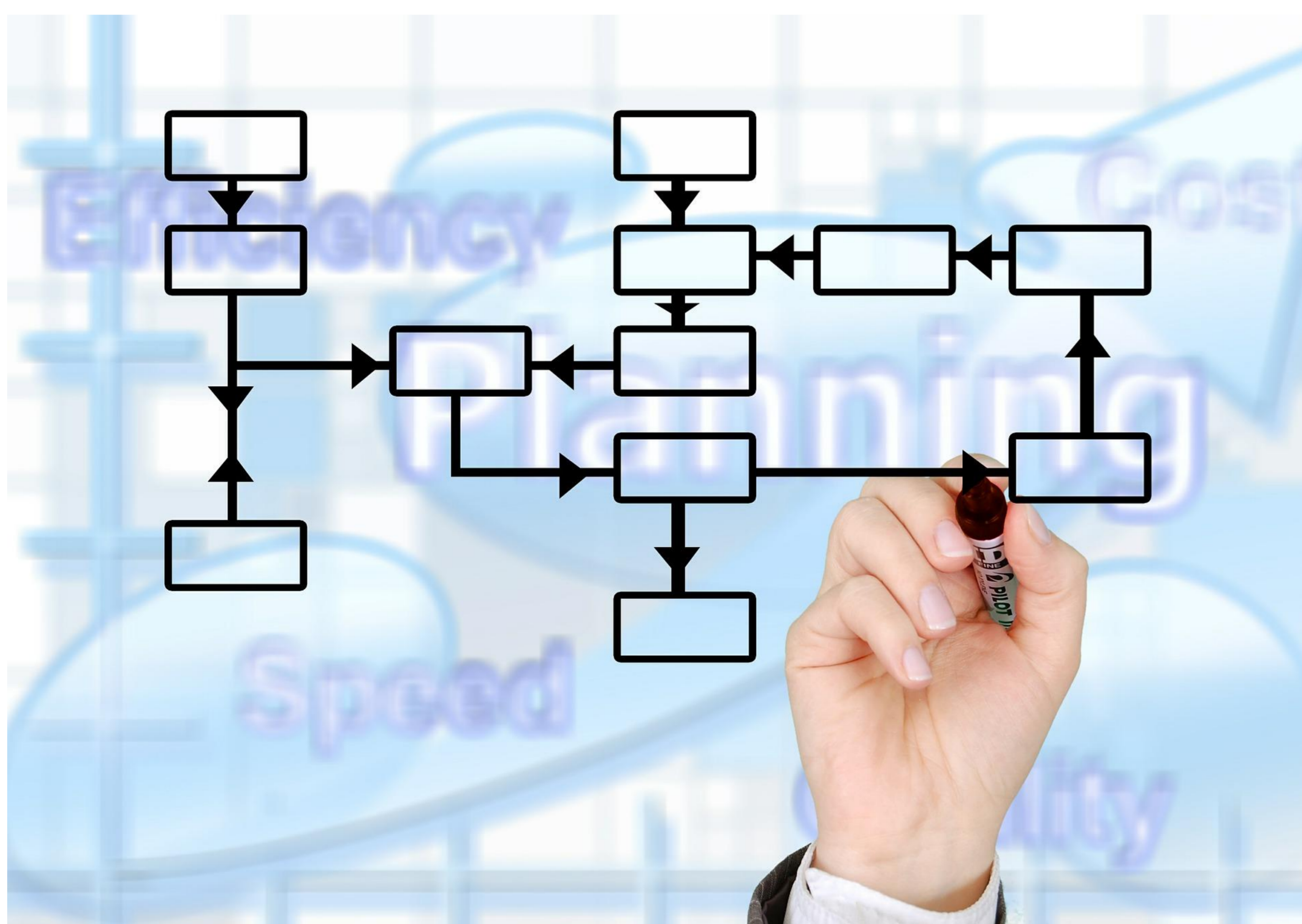
During their career, doctors take thousand high-risk decisions related to :

- Diagnosis
- Prognosis
- Treatment selection



WHAT are the advantages of Bayesian Networks?

- Model complex problems with a significant degree of uncertainty
- Combine data and experts' judgement
- Have a meaningful graphical structure
- Model causal interventions
- Reason both diagnostically and prognostically



Bayesian networks aim to **assist** doctors to follow the optimal medical pathway and **NOT to replace** them.