Gleason Score
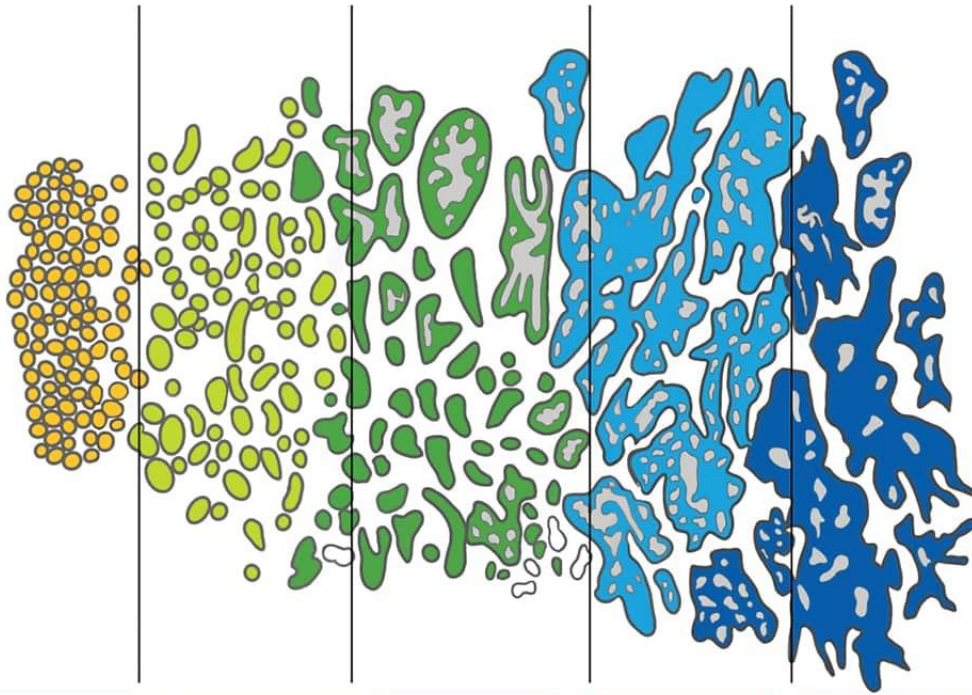
- Pathologist looks at a prostate biopsy
- Identify the two most common tissue patterns
- Grade each one from 3 to 5:
  - 3: Cells still look fairly close to normal
  - 4: Cells look more irregular and disorganized
  - 5: Cells look very abnormal and aggressive
- The two numbers are added together:
- Gleason score = primary pattern + secondary pattern

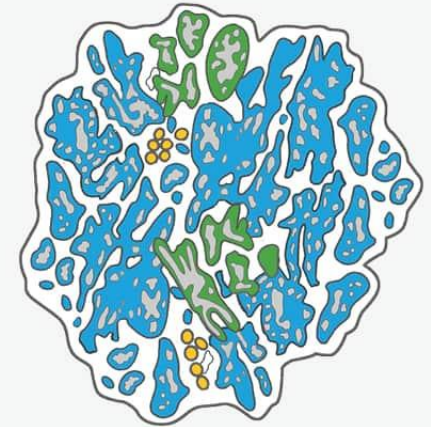# What Is a Gleason Score for Prostate Cancer?

Most Normal → Least Normal

GRADE 1 | GRADE 2 | GRADE 3 | GRADE 4 | GRADE 5

In this prostate tumor, the most common pattern is GRADE 4 , and the second most common is GRADE 3 .

4 + 3 = Gleason score 7

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Gleason Score	Grade Group	Characteristics
6	Grade Group 1	• Less aggressive • Very slow growing • Low risk
3 + 4 = 7	Grade Group 2	• Slightly aggressive • Slow growing • Low to Intermediate risk
4 + 3 = 7	Grade Group 3	• Moderately aggressive • Fast growing • Intermediate to High risk
8	Grade Group 4	• Aggressive • Rapidly growing • High risk
9-10	Grade Group 5	• Highly aggressive • Rapidly growing • High risk

Grade Group is newer

Prostate Cancer Groups

Gleason Score	Grade Group
Gleason 6 (3 + 3)	1
Gleason 7 (3 + 4)	2
Gleason 7 (4 + 3)	3
Gleason 8 (4 + 4)	4
Gleason 9 (4 + 5, 5 + 4) Gleason 10 (5 + 5)	5

Clinically Insignificant
Active Surveillance

Clinically Significant
Treatment