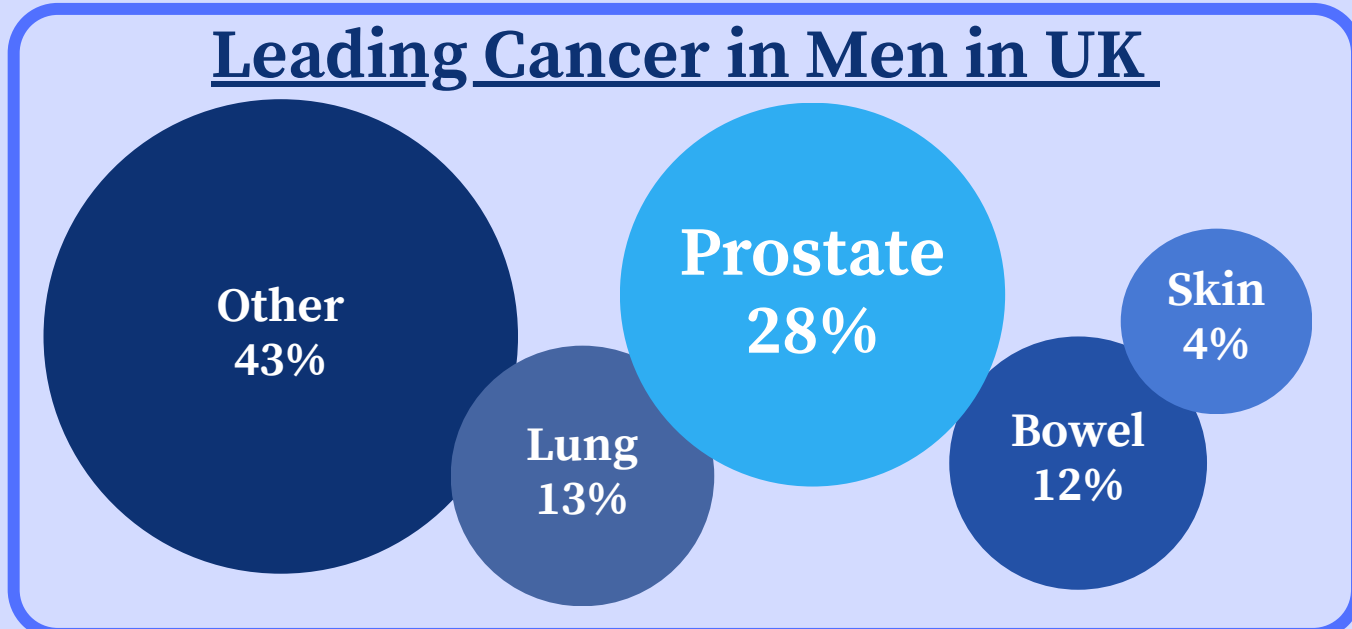
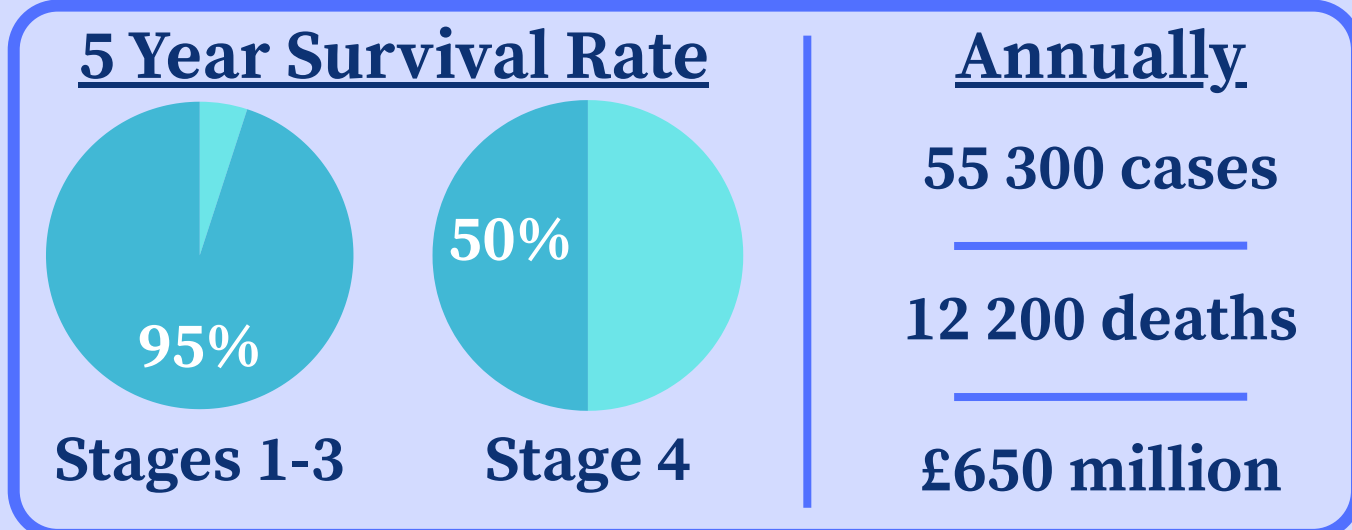
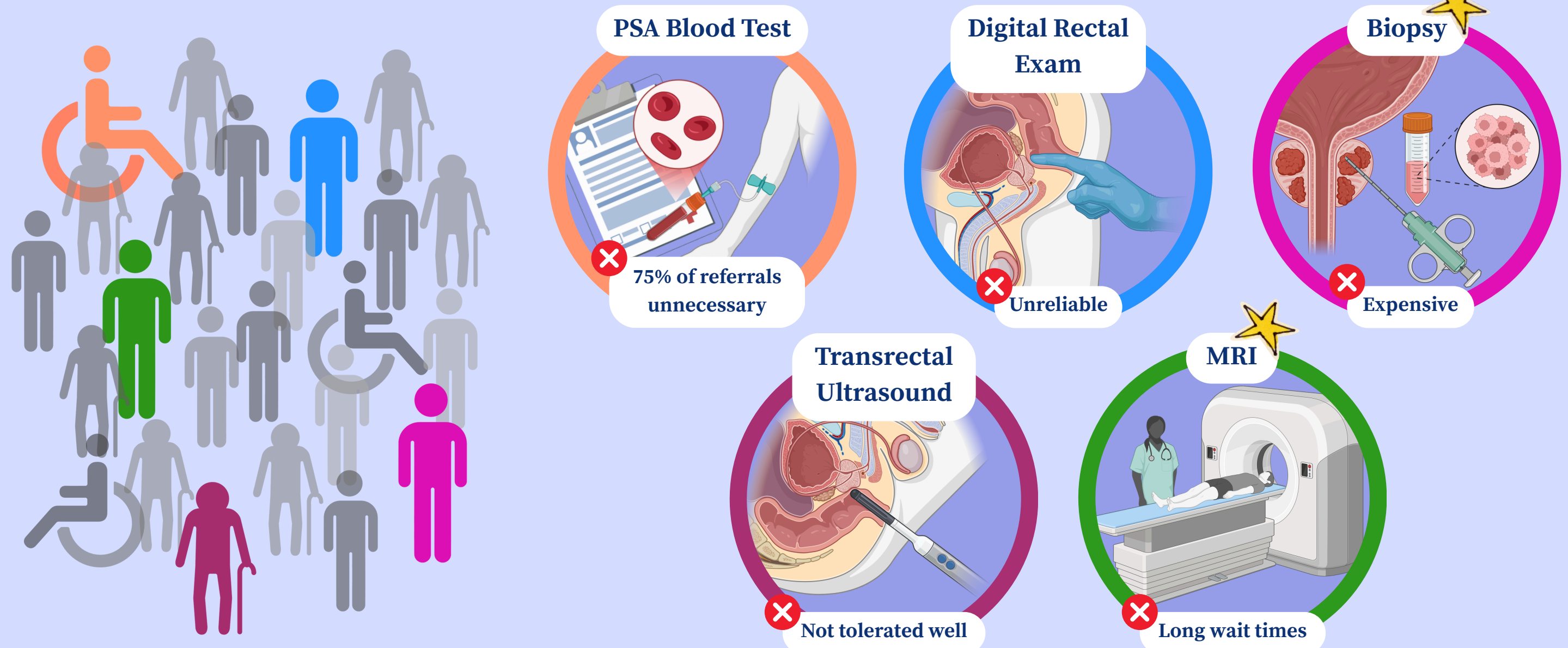


Clinical Need

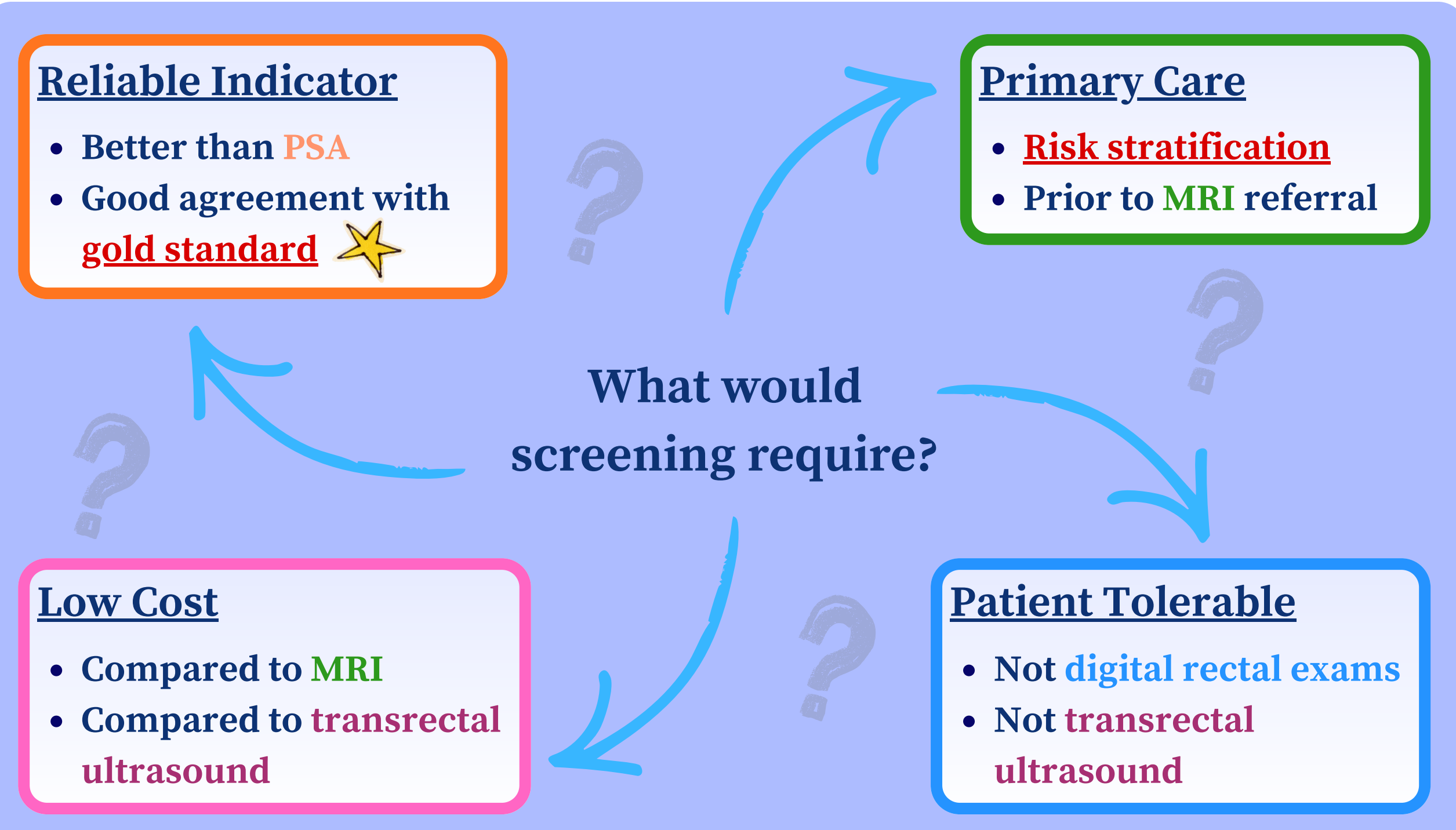
Prostate Cancer affects 1 in 6 men



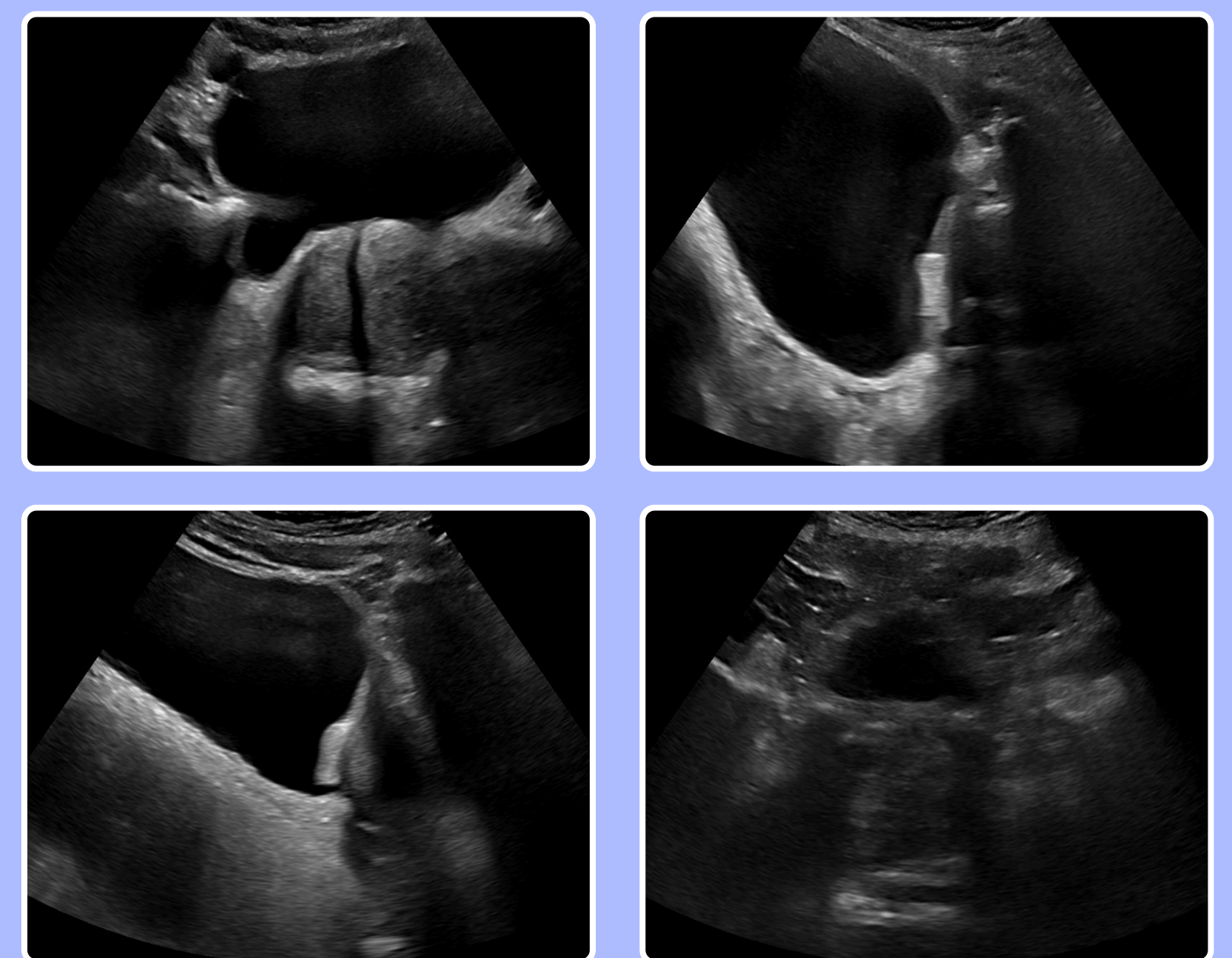
Early detection is key - so why isn't screening recommended?



Addressing the Problem



Locating the Prostate



Progress

AI-Guided Prostate Tracking

Point-of-Care Ultrasound

Using state-of-the-art deep learning frameworks real-time prostate tracking is possible. This ensures high-quality scans from minimally trained personnel.

AI-Assisted Prostate Size Estimation

Ellipsoid Assumption: From Scan to Prostate-Specific Antigen Density

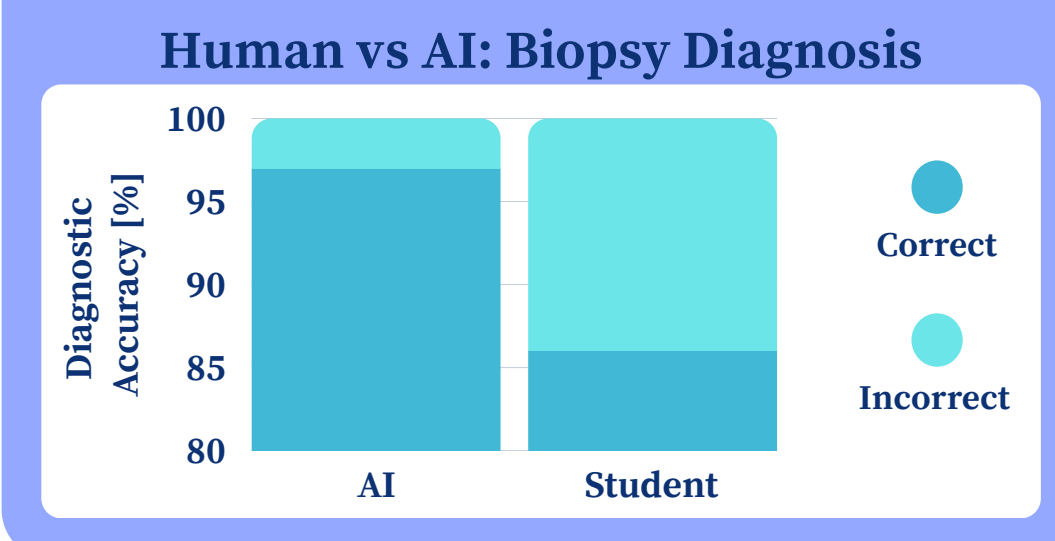
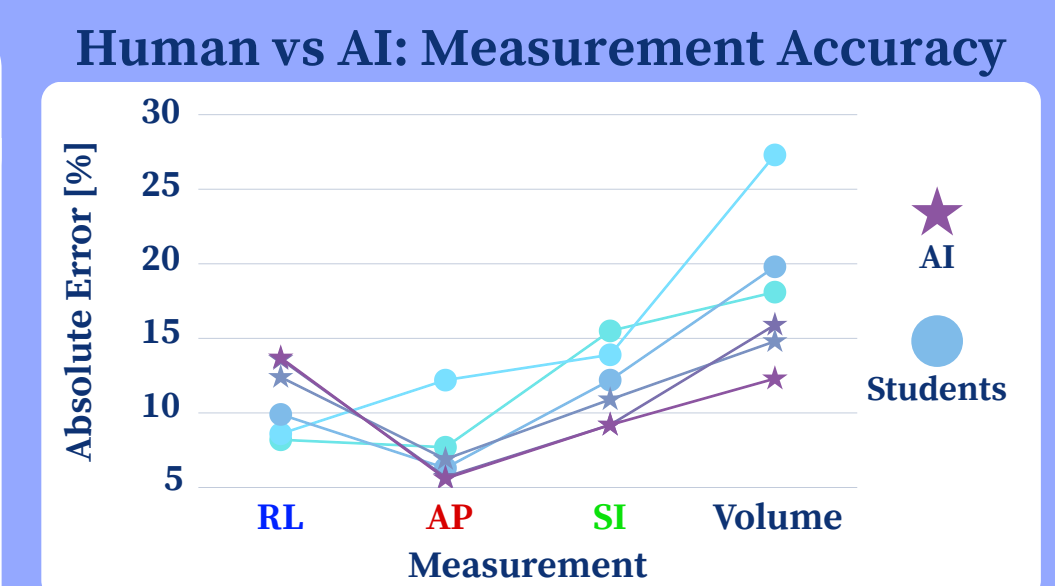
1. Scan
2. Detect
3. Segment
4. Size
5. PSA

Requires two scans + Simple and fast

AI-Assisted Full-Prostate Segmentation

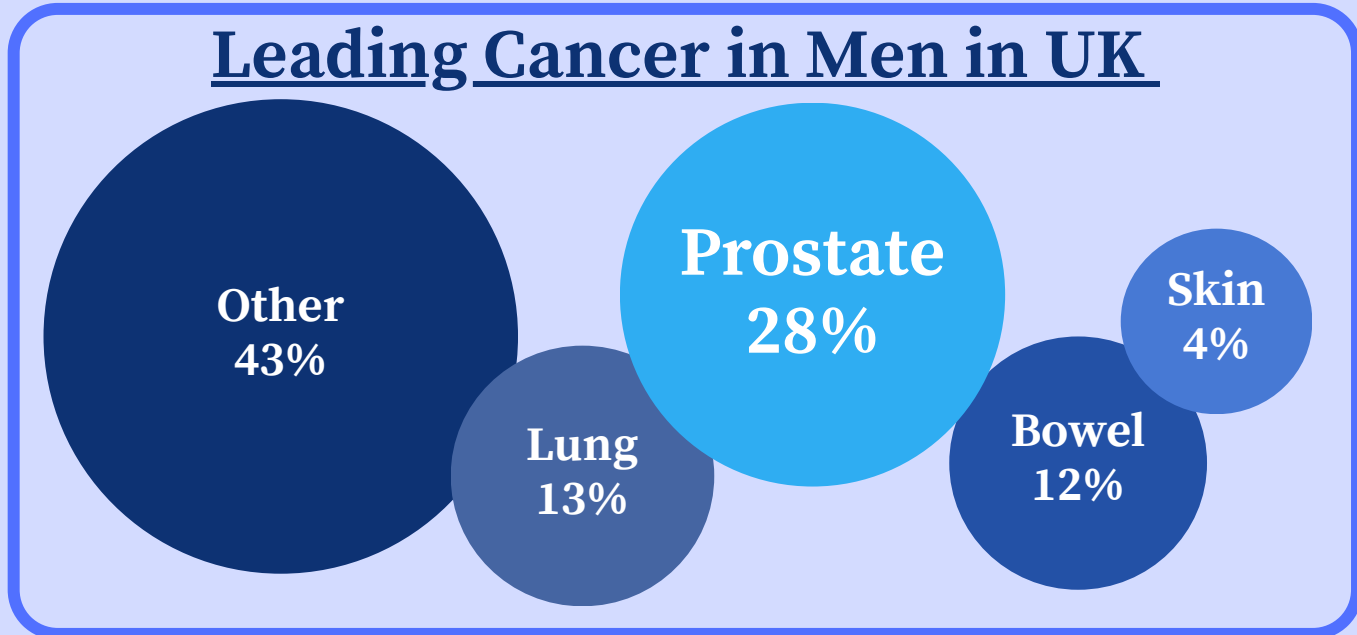
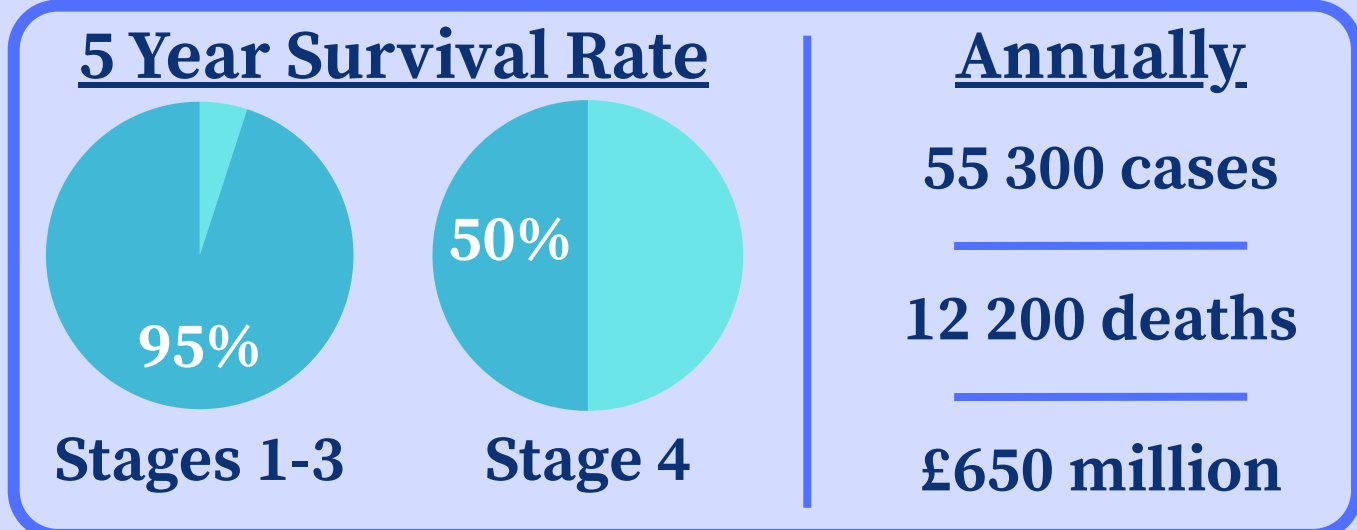
Accurately capture irregular contours

Size estimate from a single scan

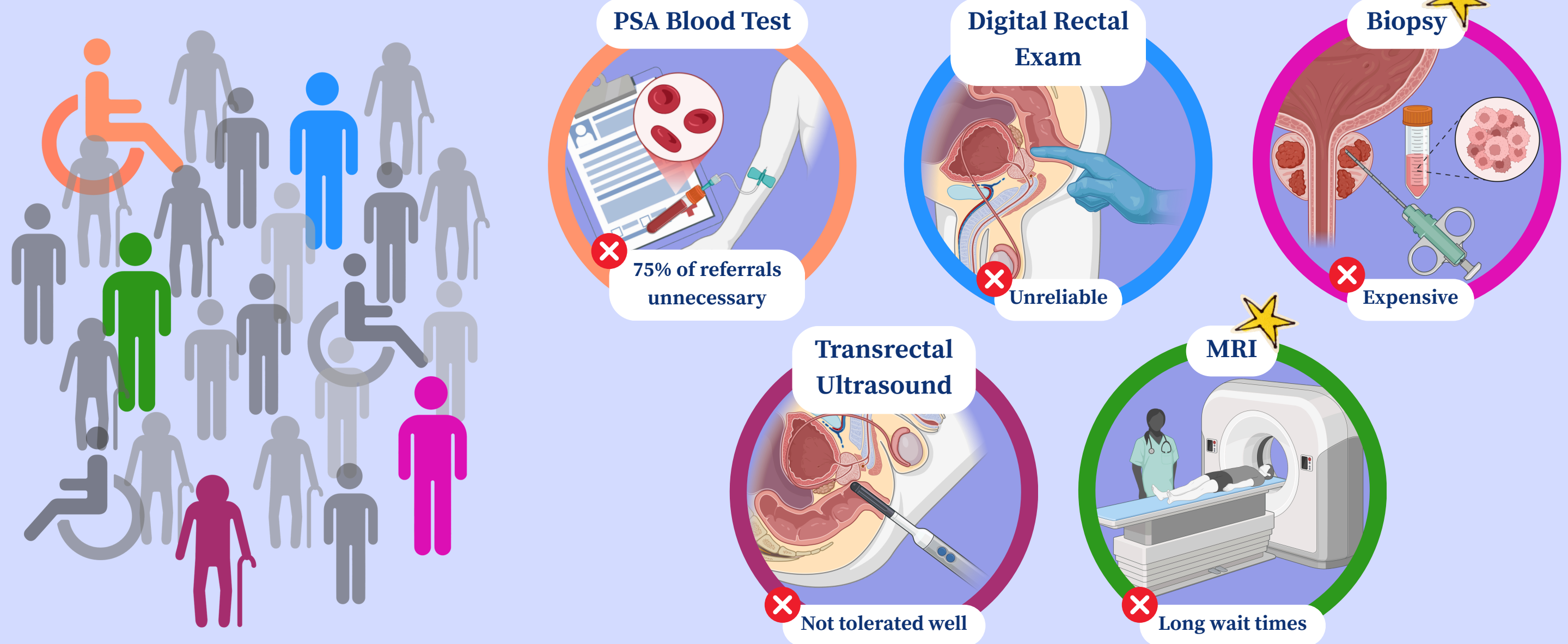


Clinical Need

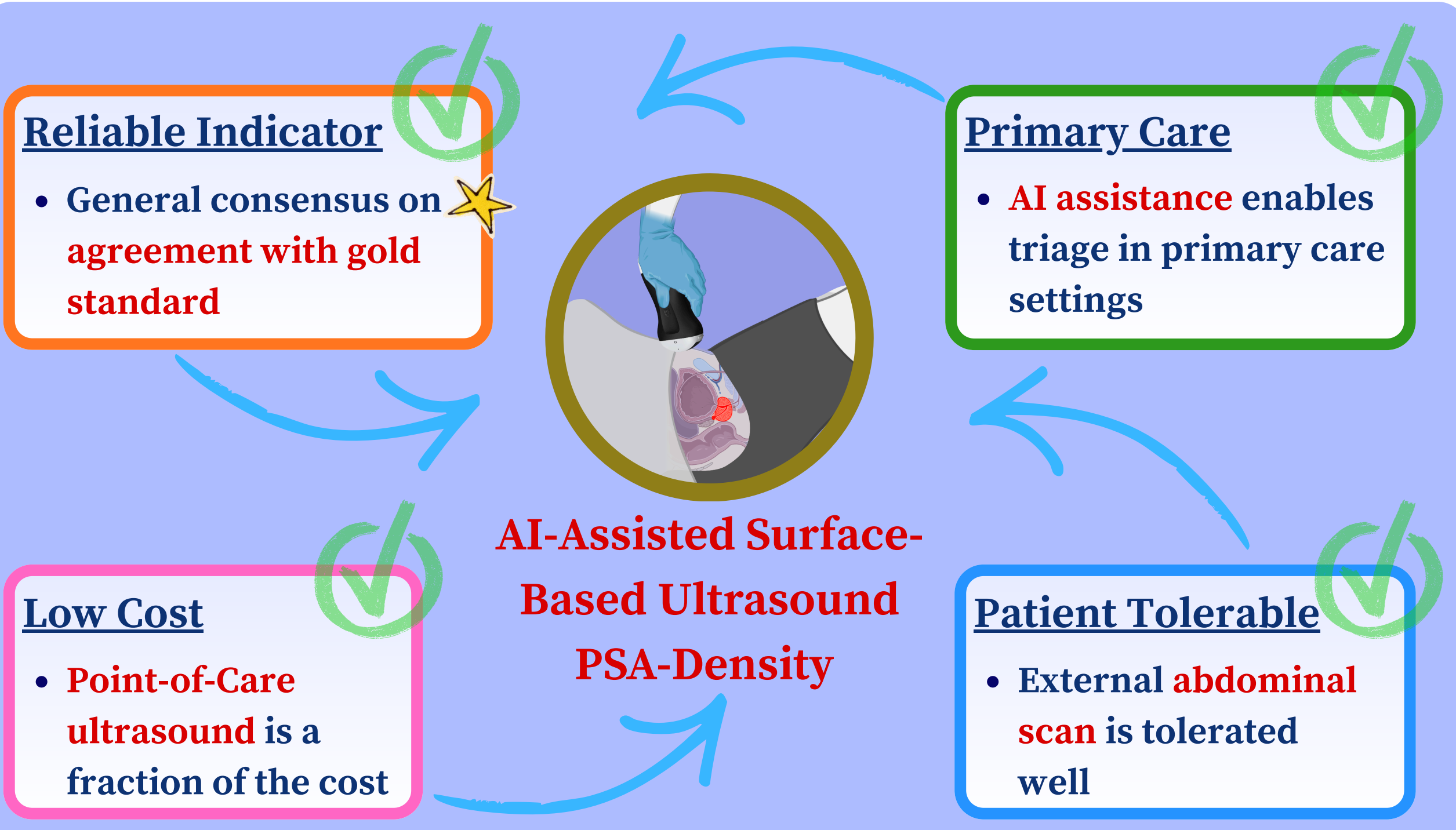
Prostate Cancer affects 1 in 6 men



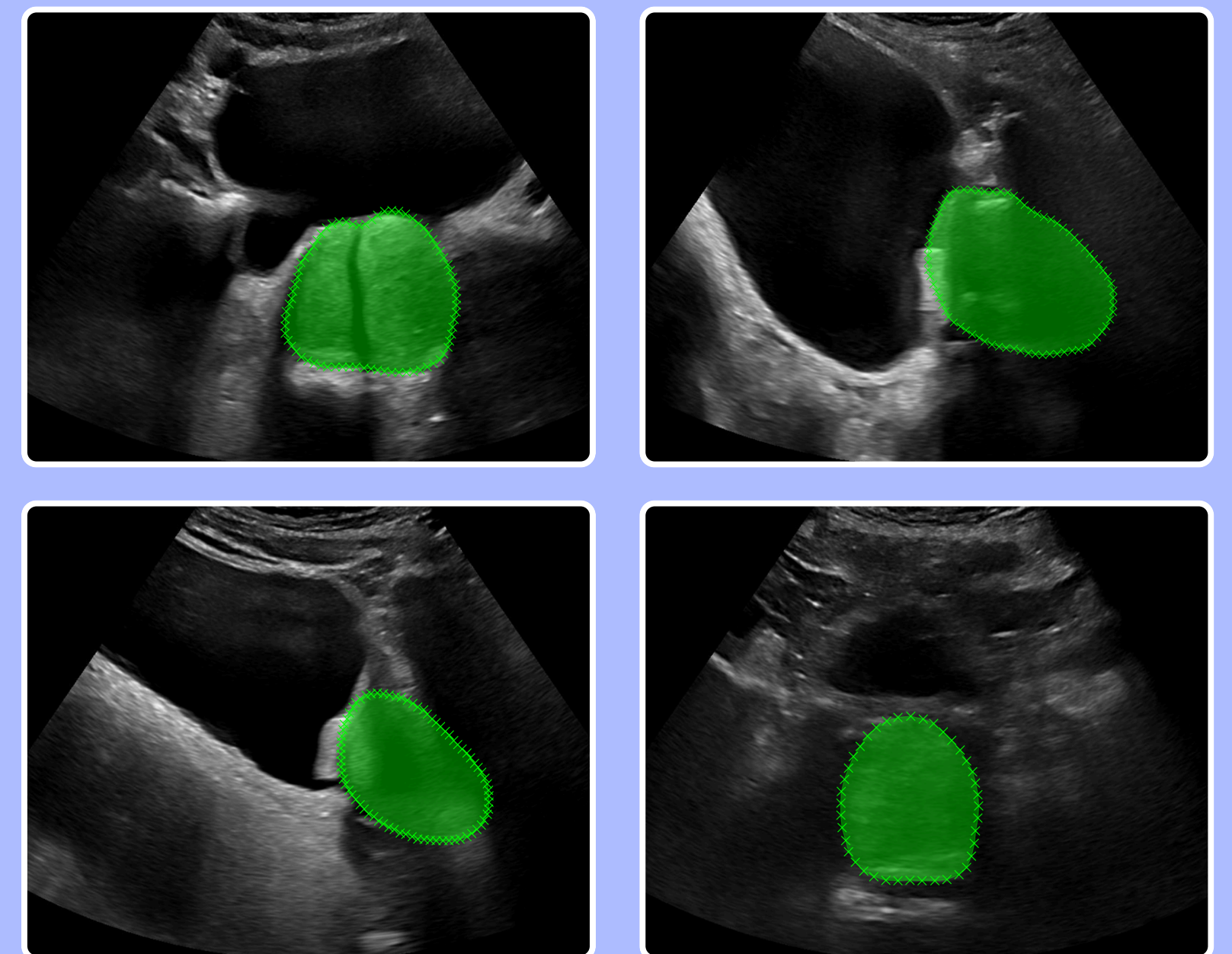
Early detection is key - so why isn't screening recommended?



Addressing the Problem



Locating the Prostate



Progress

AI-Guided Prostate Tracking

Point-of-Care Ultrasound

Using state-of-the-art deep learning frameworks real-time prostate tracking is possible. This ensures high-quality scans from minimally trained personnel.

- Prostate: 0.9
- Prostate: 0.6
- Bladder: 1.0
- Prostate: 1.0
- Prostate: 0.8

AI-Assisted Prostate Size Estimation

Ellipsoid Assumption: From Scan to Prostate-Specific Antigen Density

1. Scan
2. Detect
3. Segment
4. Size
5. PSA

Requires two scans + Simple and fast

AI-Assisted Full-Prostate Segmentation

Accurately capture irregular contours

Size estimate from a single scan

