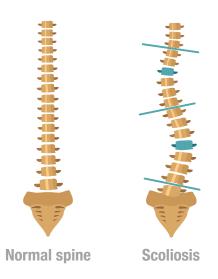
Scolosis

Clinical examination findings

- Shoulder and waistline asymmetry
- Truncal shift
- Rib prominence on Adam's forward bend test

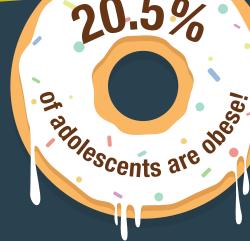


Less apparent in overweight and obese adolescents

Delayed diagnosis

Late referral to an orthopaedic surgeon for treatment

Effects of Obesi49 in adolescent idiopathic scoliosis (AIS)



2011-2014 National Health and Nutrition Examination Survey

Radiographic measurements

- Preoperative curve magnitude
- Preoperative thoracic kyphosis
- Lumbar lordosis at first follow-up
- Minor curve magnitude at last follow-up

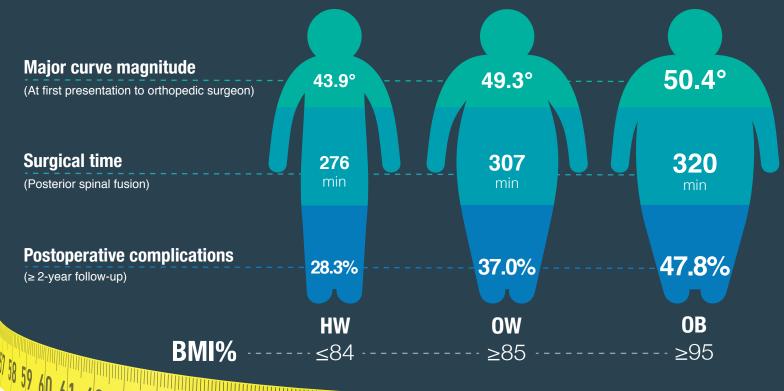
Reported brace compliance was similar between the groups.

588 adolecscents (11-17 year olds) **496 girls | 92 boys**

454 Healthy weight (HW)

134 Overweight (OW)

71 Obese (OB)



Higher risk of
Outcomes of

postoperative complications

Larger curve magnitude

Increased surgical times

Outcomes of posterior spinal fusion in



adolescents with AIS



Obese adolescents should be closely monitored for scoliosis to avoid delayed diagnosis and consequent referral for surgical treatment

