

Plaque Psoriasis

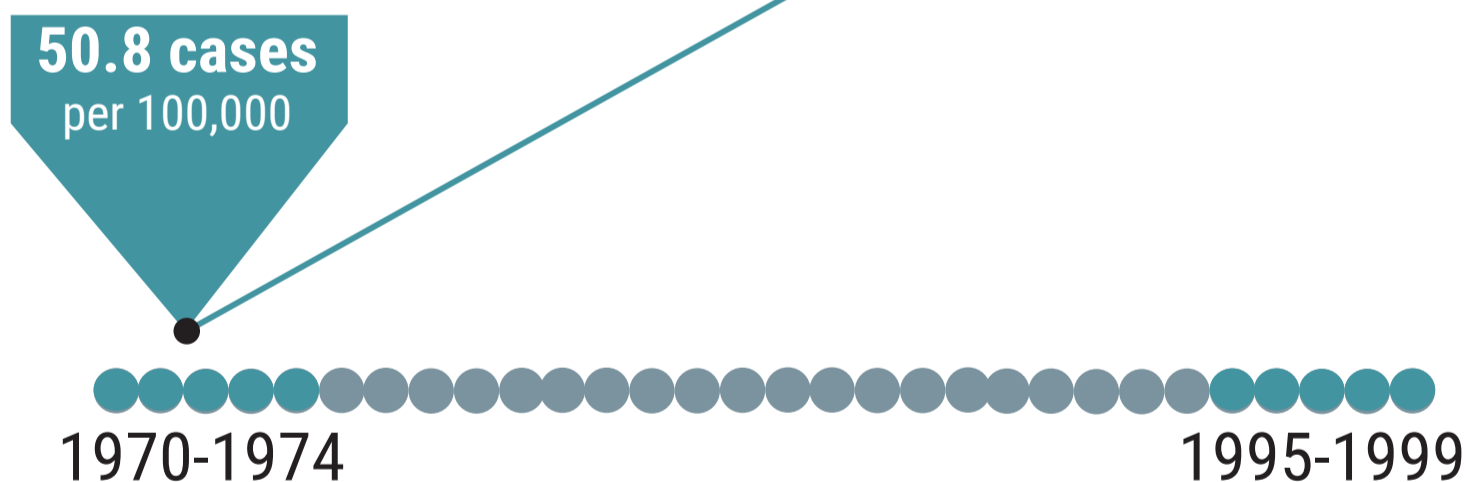
Targets of Biologics

- Tumor necrosis factor-alpha (TNF-alpha)
- Interleukin-12 and -23 (IL-12/23)
- Interleukin-17 (IL-17)
- T-cells
- Interleukin-23 (IL-23)

Source: National Psoriasis Foundation, 2019.

Incidence Rising

The annual incidence of psoriasis has nearly doubled from the 1970s to 2000.



Source: Icen M, Crowson CS, McEvoy MT, et al. Trends in incidence of adult-onset psoriasis over three decades: a population-based study. *J Am Acad Dermatol.* 2009;60:394-401.

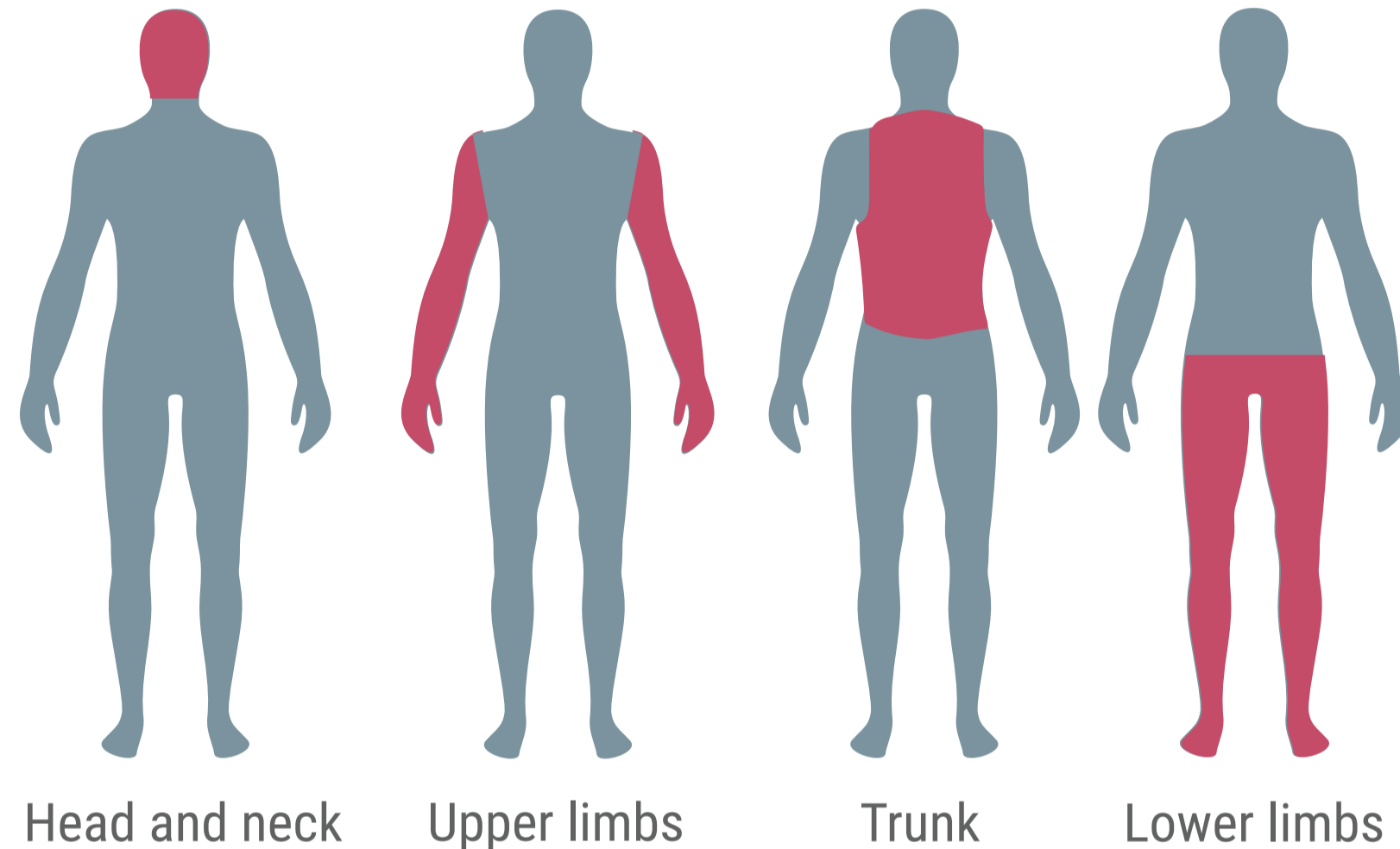
Obesity and Psoriasis

The risk for psoriasis in obese individuals is approximately **2X** higher than in healthy-weight individuals.



Psoriasis Area and Severity Index (PASI)

PASI is calculated by multiplying severity score by % of area affected in each of the following body regions:



Source: PASI Training, 2009.

Comorbidities in Psoriasis

- Hyperlipidemia
- Hypertension
- Coronary artery disease
- Type 2 diabetes

Both coronary plaques and metabolic syndrome occur **2X** more frequently in psoriasis patients.

Source: Rendon A, Schäkel K. Psoriasis pathogenesis and treatment. *Int J Mol Sci.* 2019;20:1475.

Source: Naldi L, Chatenoud L, Linder D, et al: Cigarette smoking, body mass index, and stressful life events as risk factors for psoriasis: results from an Italian case-control study. *J Invest Dermatol* 2005;125:61-67.