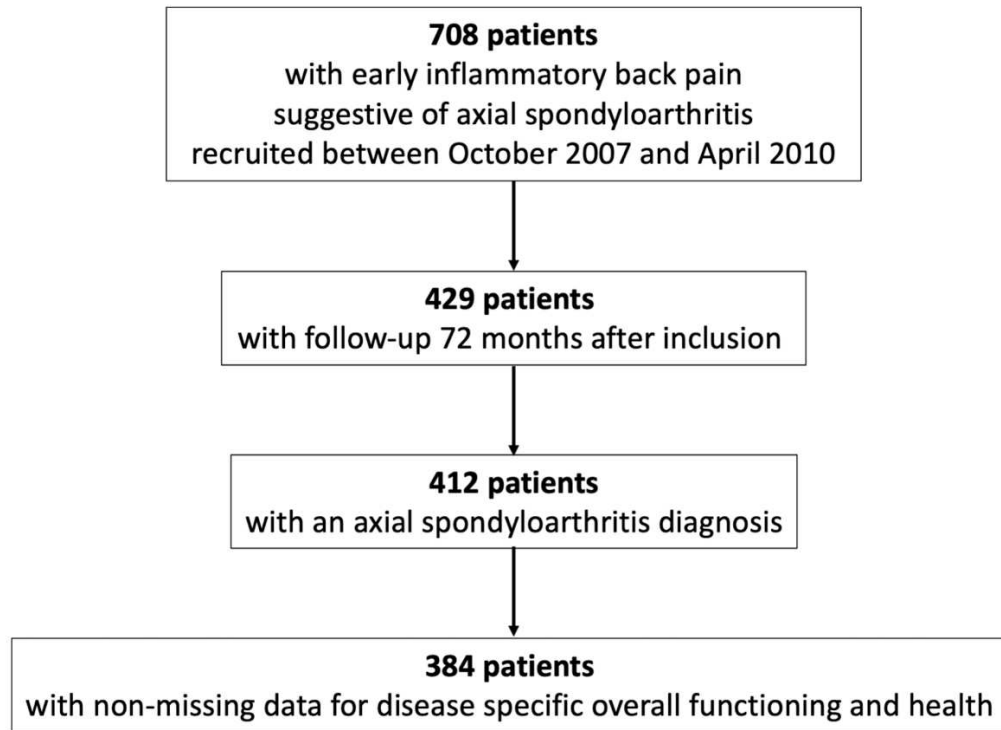
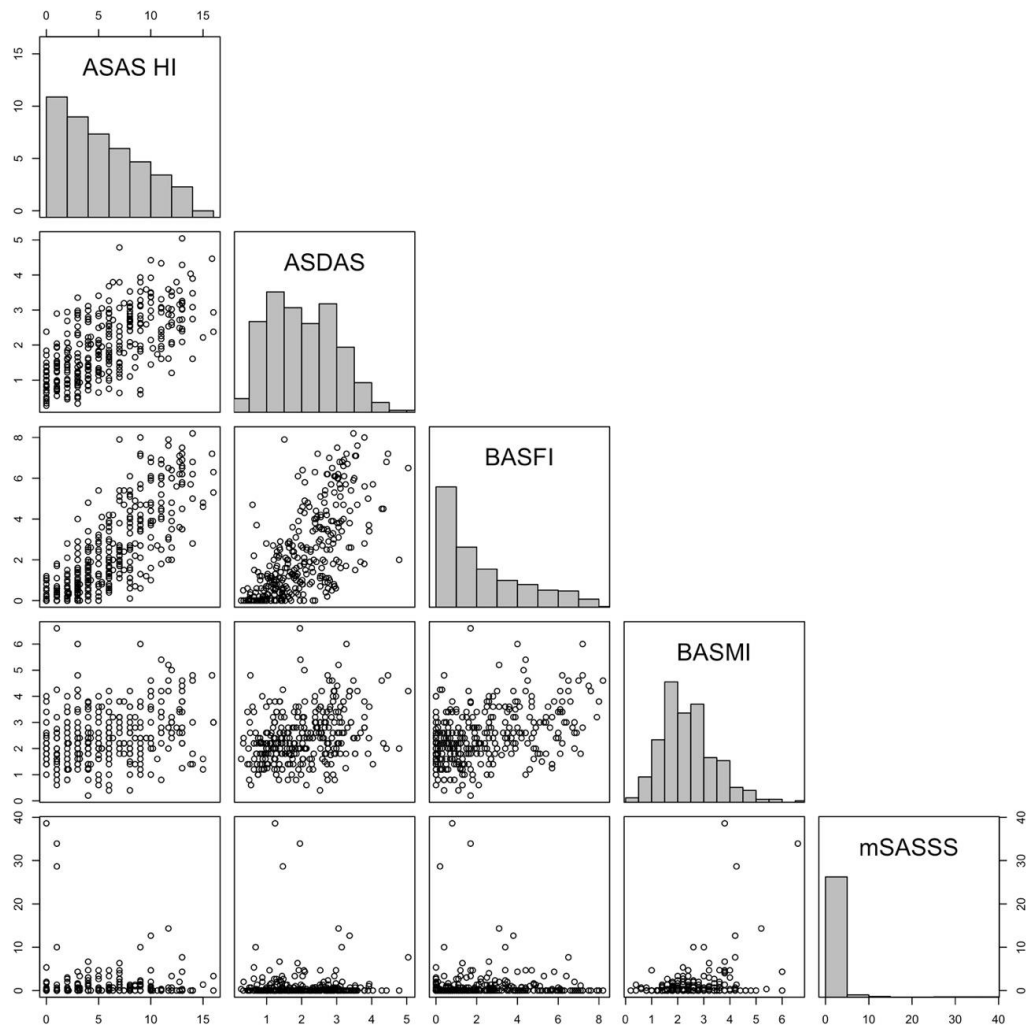
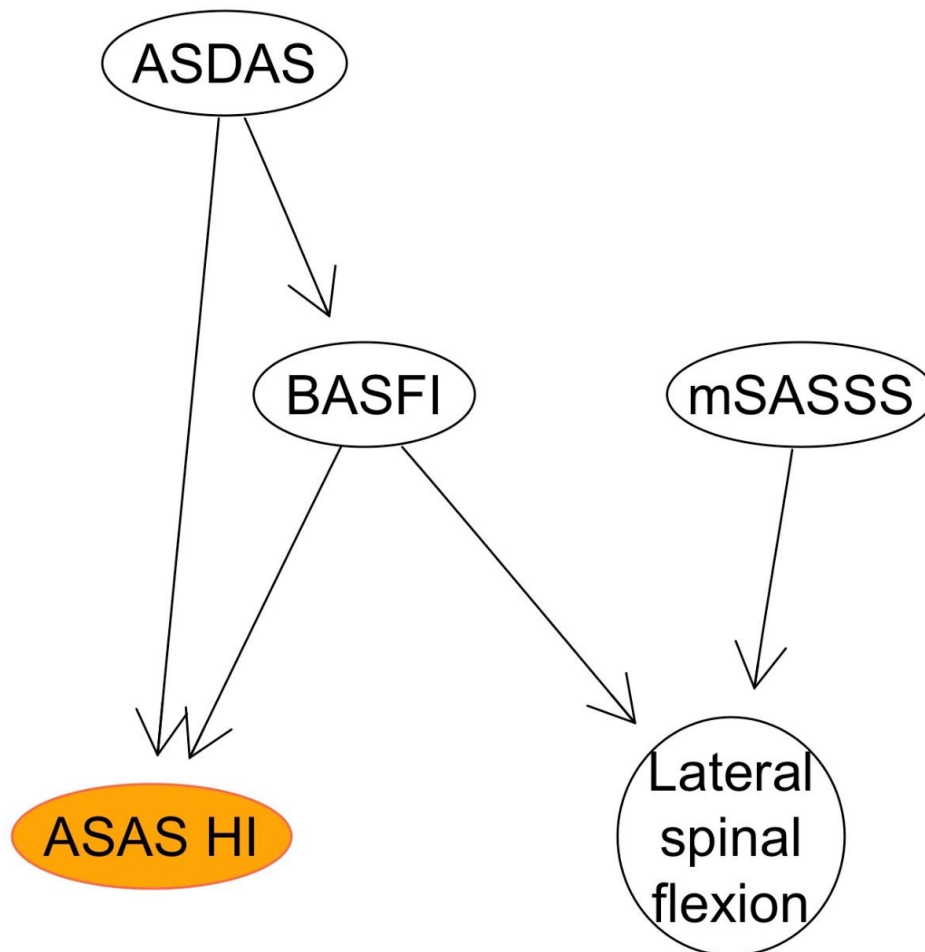


Supplementary Figure 1 Flowchart of patient inclusion

Supplementary Figure 2 Scatter plots and histograms of different disease outcomes

ASAS HI: Assessment of SpondyloArthritis international Society Health Index; ASDAS: Ankylosing Spondylitis Disease Activity Score based on C-reactive protein; BASFI: Bath Ankylosing Spondylitis Functional Index; BASMI: Bath Ankylosing Spondylitis Metrology Index; mSASSS: modified Stoke Ankylosing Spondylitis Spine Score

Supplementary Figure 3 Structural model on interrelationships of different disease outcomes with overall functioning and health (ASAS HI) in patients with axSpA



axSpA: axial spondyloarthritis; ASAS HI: Assessment of SpondyloArthritis international Society Health Index; ASDAS: Ankylosing Spondylitis Disease Activity Score based on C-reactive protein; BASFI: Bath Ankylosing Spondylitis Functional Index; mSASSS: modified Stoke Ankylosing Spondylitis Spine Score.

Supplementary Table 1 Parameters of the structural model corresponding to coefficients of linear regression analyses

Dependent variable (child node)	Independent variable (parent node)	Regression coefficient
BASFI	ASDAS	1.54
ASAS HI	ASDAS	0.68
	BASFI	1.25
Lateral spinal flexion	mSASSS	-0.30
	BASFI	-0.73
axSpA: axial spondyloarthritis; ASAS HI: Assessment of SpondyloArthritis international Society Health Index; ASDAS: Ankylosing Spondylitis Disease Activity Score based on C-reactive protein; BASFI: Bath Ankylosing Spondylitis Functional Index; mSASSS: modified Stoke Ankylosing Spondylitis Spine Score.		