

**Supplementary Table 1:** Parameters for extracting potential Low Back Pain presentations using the Emergency Department (ED).

Code	Explanatory Description
<b>Presenting Complaint</b>	
17005	Requesting Investigation
17006	Requesting Medication/Certificate/Results
17008	Unplanned ED Representation
21002	Altered Sensation
25005	Back Pain
9047	Mechanical Strain
<b>Primary ICD-10 AM Diagnosis Code</b>	
G95.9	Disease of Spinal Cord, Unspecified
M13.99	Arthritis, Unspecified
M19.99	Arthrosis, Unspecified
M25.59	Pain in a Joint, Site Unspecified
M25.99	Unspecified Joint Disorder
M48.99	Unspecified Spondylopathy
M51.9	Intervertebral Disc Disorder
M53.3	Sacro Coccygeal Disorders
M53.99	Unspecified Dorsopathy
M54.19	Radiculopathy, Site Unspecified
M54.2	Cervicalgia
M54.3	Sciatica
M54.5	Low Back Pain
M54.6	Pain in Thoracic Spine
M54.99	Unspecified Dorsalgia Site Unspecified
M79.19	Myalgia, Site Unspecified
M79.29	Neuralgia and Neuritis, Unspecified
M89.99	Unspecified Disorder of Bone
M95.9	Acquired Musculo Skeletal Deformity
R25.2	Cramp and Spasm
R26.8	Abnormalities of Gait and Mobility
R29.89	Musculo Skeletal System Symptoms / Signs
R52.9	Pain, Unspecified
S22.00	Fracture of Thoracic Vertebra
S23.3	Sprain and Strain of Thoracic Spine
S32.00	Fracture of Lumbar Vertebra
S32.82	Fracture of Lumbosacral Spine
S33.3	Dislocation Lumbar Spine and Pelvis
S33.7	Sprain/Strain Lumbar Spine/Pelvis
S34.1	Other Injury of Lumbar Spinal Cord
S38.1	Crush Injury Abdomen/Lower Back/Pelvis
S39.9	Injury of Abdomen/Lower Back/Pelvis
Z02.7	Issue of Medical Certificate
Z04.9	Examination / Observation Unspecified
Z76.0	Issue of Repeat Prescription
Note: Codes and descriptions relate to the intervention ED location of FASTRACK and control ED location of BLUE or GREEN ZONE.	