

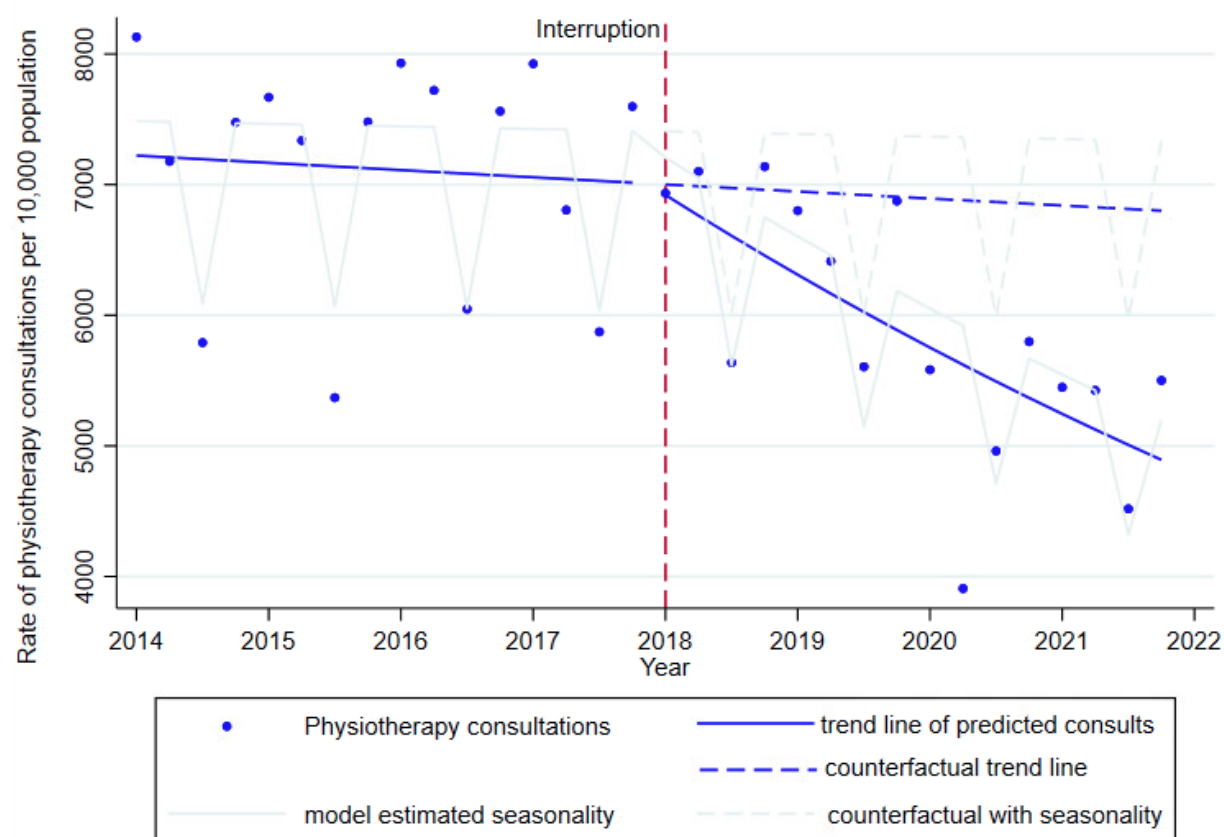
Supplementary Material

Supplementary Table 1. Included ICD-10 codes

Code	Description
G54.4	Lumbosacral root disorders, not elsewhere classified
G55.1	Nerve root and plexus compressions in intervertebral disc disorders
G55.2	Nerve root and plexus compressions in spondylosis
G55.3	Nerve root and plexus compressions in other dorsopathies
G55.8	Nerve root and plexus compressions in other diseases classified elsewhere
G83.4	Cauda equina syndrome
G99.2	Myelopathy in diseases classified elsewhere
M40.0	Postural kyphosis
M40.1	Other secondary kyphosis
M40.2	Other and unspecified kyphosis
M40.3	Flatback syndrome
M40.4	Other lordosis
M40.5	Lordosis, unspecified
M41.2	Other idiopathic scoliosis
M41.5	Other secondary scoliosis
M41.8	Other forms of scoliosis
M41.9	Scoliosis, unspecified
M43.0	Spondylolysis
M43.1	Spondylolisthesis
M43.2	Other fusion of spine
M43.5	Other recurrent vertebral subluxation
M43.8	Other specified deforming dorsopathies
M43.9	Deforming dorsopathy, unspecified
M47.1	Other spondylosis with myelopathy
M47.2	Other spondylosis with radiculopathy
M47.8	Other spondylosis
M47.9	Spondylosis, unspecified
M48.0	Spinal stenosis
M481	Ankylosing hyperostosis [Forestier]
M482	Kissing spine
M484	Fatigue fracture of vertebra
M488	Other specified spondylopathies
M489	Spondylopathy, unspecified
M498	Spondylopathy in other diseases classified elsewhere
M500	Cervical disc disorder with myelopathy
M501	Cervical disc disorder with radiculopathy
M502	Other cervical disc displacement
M503	Other cervical disc degeneration
M508	Other cervical disc disorders
M509	Cervical disc disorder, unspecified
M510	Lumbar and other intervertebral disc disorders with myelopathy
M511	Lumbar and other intervertebral disc disorders with radiculopathy

M512	Other specified intervertebral disc displacement
M513	Other specified intervertebral disc degeneration
M514	Schmorl nodes
M518	Other specified intervertebral disc disorders
M519	Intervertebral disc disorder, unspecified
M530	Cervicocranial syndrome
M531	Cervicobrachial syndrome
M532	Spinal instabilities
M533	Sacrococcygeal disorders, not elsewhere classified
M538	Other specified dorsopathies
M539	Dorsopathy, unspecified
M541	Radiculopathy
M542	Cervicalgia
M543	Sciatica
M544	Lumbago with sciatica
M545	Low back pain
M546	Pain in thoracic spine
M548	Other dorsalgia
M549	Dorsalgia, unspecified
M960	Pseudarthrosis after fusion or arthrodesis
M961	Postlaminectomy syndrome, not elsewhere classified
M963	Postlaminectomy kyphosis
M964	Postsurgical lordosis
M966	Fracture of bone following insertion of orthopaedic implant, joint prosthesis, or bone plate
M968	Other postprocedural musculoskeletal disorders
M969	Postprocedural musculoskeletal disorder, unspecified
M991	Subluxation complex (vertebral)
M993	Osseous stenosis of neural canal
M994	Connective tissue stenosis of neural canal
M995	Intervertebral disc stenosis of neural canal
M996	Osseous and subluxation stenosis of intervertebral foramina
M997	Connective tissue and disc stenosis of intervertebral foramina

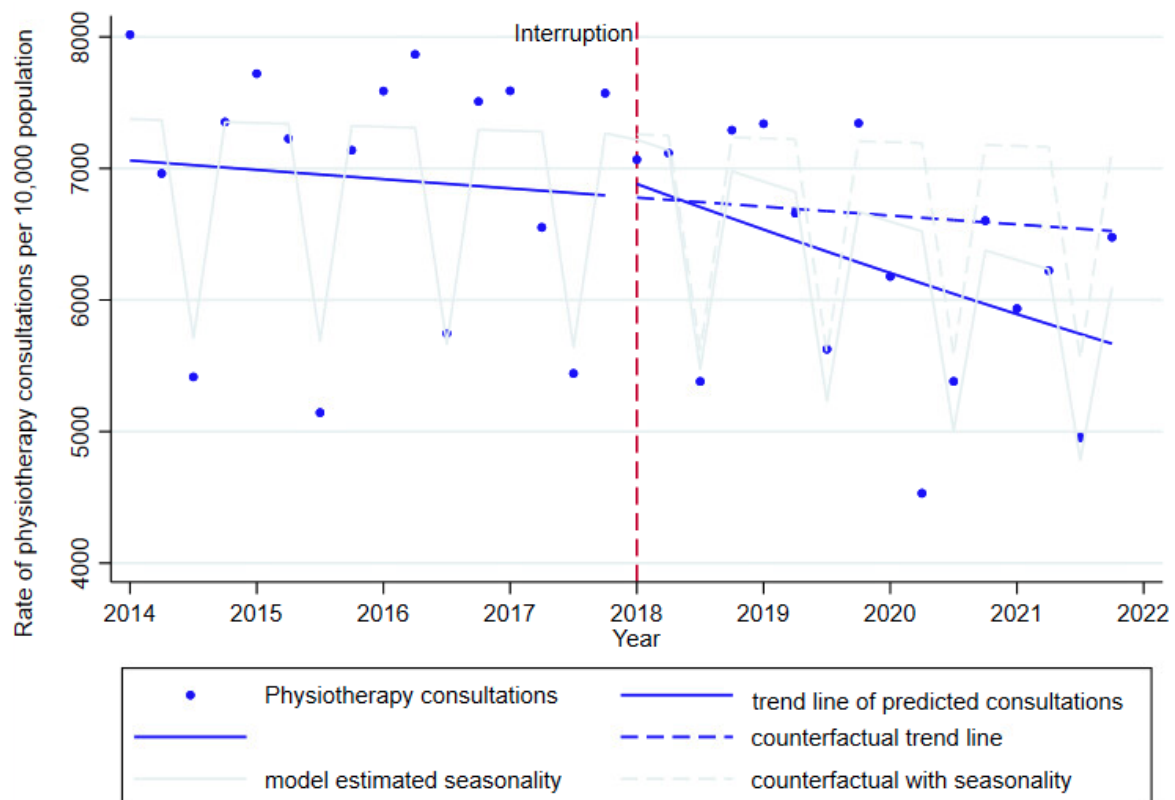
Subgroup outcomes:



Supplementary figure 1. Rates of physiotherapy MSK consultations in the Lower Education group, before and after the introduction of Direct Access Physiotherapy in Norway

Supplementary table 2. Segmented regression analysis of the introduction of Direct Access Physiotherapy on the rates of physiotherapy MSK consultations in the lower education group, per 10,000 population in Norway.

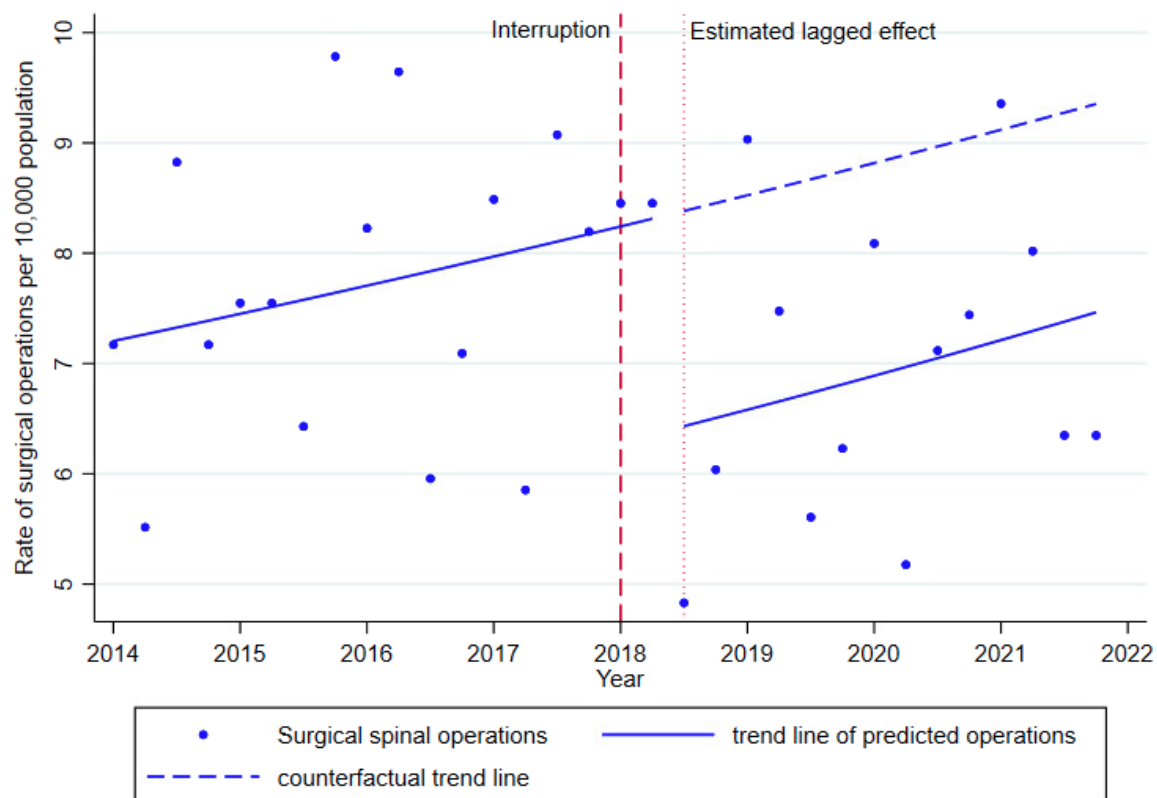
Variable	Coefficient	Standard Error	z statistic	P-Value	95% Confidence Interval	
change over time	-66.35	10.47	-6.33	0.000	-86.87	-45.82
intervention	26.97	221.14	0.12	0.903	-406.46	460.40
change in slope (pre/post intervention)	-150.16	27.19	-6.19	0.000	-203.44	-96.88
seasonal change	-1264.93	200.30	-6.32	0.000	-1657.48	-872.38
constant	6484.27	70.86	91.51	0.000	6345.39	6623.15



Supplementary figure 2. Rates of physiotherapy MSK consultations in the Intermediate Education group, before and after the introduction of Direct Access Physiotherapy in Norway

Supplementary table 3. Segmented regression analysis of the introduction of Direct Access Physiotherapy on the rates of physiotherapy MSK consultations in the intermediate education group, per 10,000 population in Norway.

Variable	Coefficient	Standard Error	z statistic	P-Value	95% Confidence Interval	
change over time	-38.85	13.99	-2.78	0.005	-66.27	-11.42
intervention	37.42	200.32	0.19	0.853	-355.21	430.05
change in slope (pre/post intervention)	-70.91	22.49	-3.29	0.001	-115.00	-26.81
seasonal change	-1564.52	166.63	-9.39	0.000	-189.12	-1237.92
constant	-6591.60	89.83	73.38	0.000	6415.54	6767.66



Supplementary figure 3. Age standardised rates of spinal operations for those aged 40 to 60 before and after the introduction of Direct Access Physiotherapy in Norway

Supplementary table 4. Segmented regression analysis of the introduction of Direct Access Physiotherapy on the rates of spinal operations in those aged 40 to 60, per 10,000 population in Norway

Variable	Coefficient	Standard Error	z statistic	P-Value	95% Confidence Interval	
change over time	0.07	0.03	2.23	0.026	0.01	0.13
intervention	-1.94	0.62	-3.15	0.002	-3.16	-0.74
change in slope (pre/post intervention)	0.003	0.008	0.34	0.735	-0.10	0.11
constant	7.39	0.13	56.46	0.000	7.14	7.65