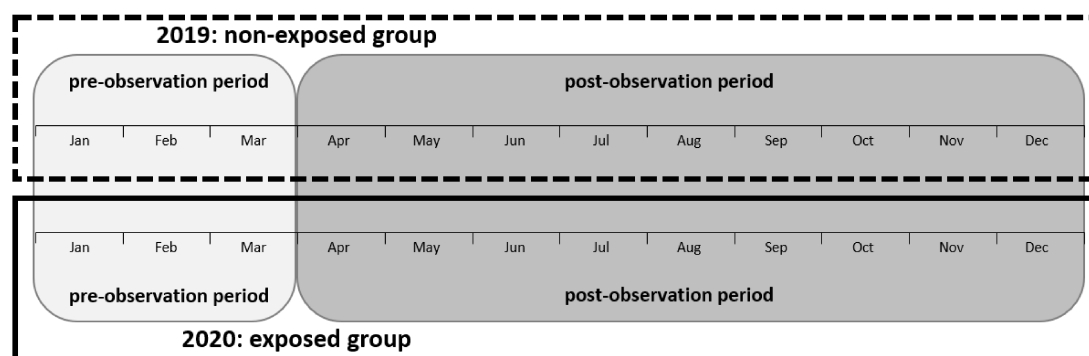


## Unemployment due to the SARS-CoV-2-pandemic among people with and without severe disabilities: a difference-in-differences analysis

### Supplementary Material



Supplementary figure 1: Difference-in-differences analysis

**Supplementary table 1:** Difference-in-differences estimators for the increase of unemployment attributable to the pandemic among people with and without severe disabilities

	People with severe disabilities				People without severe disabilities			
	IRR	95% CI	p	p <sub>subgroup</sub>	IRR	95% CI	p	p <sub>subgroup</sub>
<b>Total</b>	1.112	1.107; 1.117	< 0.001		1.248	1.246; 1.249	< 0.001	
<b>Sex</b>				0.027				< 0.001
Women	1.119	1.111; 1.127	< 0.001		1.243	1.240; 1.245	< 0.001	
Men	1.107	1.101; 1.114	< 0.001		1.252	1.250; 1.254	< 0.001	
<b>Unemployment benefits</b>				< 0.001				< 0.001
Social Code III	1.156	1.148; 1.164	< 0.001		1.400	1.397; 1.402	< 0.001	
Social Code II	1.077	1.071; 1.084	< 0.001		1.159	1.157; 1.161	< 0.001	
<b>Federal states</b>								
Schleswig-Holstein	1.134	1.104; 1.164	< 0.001		1.227	1.219; 1.235	< 0.001	
Hamburg	1.093	1.057; 1.130	< 0.001		1.269	1.260; 1.278	< 0.001	
Lower Saxony	1.105	1.087; 1.124	< 0.001		1.227	1.222; 1.232	< 0.001	
Bremen	1.102	1.052; 1.156	< 0.001		1.126	1.115; 1.137	< 0.001	
North Rhine-Westphalia	1.077	1.068; 1.086	< 0.001		1.185	1.182; 1.188	< 0.001	
Hesse	1.164	1.144; 1.185	< 0.001		1.302	1.296; 1.308	< 0.001	
Rhineland-Palatinate	1.099	1.073; 1.124	< 0.001		1.231	1.224; 1.238	< 0.001	
Baden-Württemberg	1.094	1.077; 1.111	< 0.001		1.273	1.268; 1.279	< 0.001	
Bavaria	1.137	1.123; 1.151	< 0.001		1.379	1.373; 1.384	< 0.001	
Saarland	1.019	0.978; 1.062	0.369		1.131	1.119; 1.143	< 0.001	
Berlin	1.189	1.164; 1.214	< 0.001		1.317	1.310; 1.323	< 0.001	
Brandenburg	1.156	1.124; 1.189	< 0.001		1.232	1.223; 1.240	< 0.001	
Mecklenburg-Western Pomerania	1.132	1.100; 1.165	< 0.001		1.273	1.263; 1.282	< 0.001	
Saxony	1.137	1.113; 1.160	< 0.001		1.265	1.258; 1.272	< 0.001	
Saxony-Anhalt	1.124	1.091; 1.157	< 0.001		1.207	1.199; 1.215	< 0.001	
Thuringia	1.118	1.089; 1.149	< 0.001		1.240	1.230; 1.249	< 0.001	

Note: IRR = Incidence Ratio Ratio; CI = Confidence Interval

**Supplementary table 2:** Difference-in-differences estimators for the increase of unemployment attributable to the pandemic among people with and without severe disabilities (Sensitivity analysis)

	People with severe disabilities				People without severe disabilities			
	IRR	95% CI	p	p <sub>subgroup</sub>	IRR	95% CI	p	p <sub>subgroup</sub>
<b>Total</b>	1.104	1.098; 1.110	< 0.001		1,225	1,223; 1,227	< 0.001	
<b>Sex</b>				0.037				< 0.001
Women	1.111	1.102; 1.121	< 0.001		1,219	1,217; 1,222	< 0.001	
Men	1.099	1.091; 1.106	< 0.001		1,230	1,228; 1,232	< 0.001	
<b>Unemployment benefits</b>				< 0.001				< 0.001
Social Code III	1,143	1,133; 1,152	< 0.001		1,366	1,363; 1,370	< 0.001	
Social Code II	1,073	1,065; 1,081	< 0.001		1,143	1,141; 1,145	< 0.001	
<b>Federal states</b>								
Schleswig-Holstein	1.128	1.094; 1.163	< 0.001		1,204	1,194; 1,213	< 0.001	
Hamburg	1.075	1.034; 1.117	< 0.001		1,247	1,237; 1,258	< 0.001	
Lower Saxony	1.099	1.078; 1.121	< 0.001		1,208	1,202; 1,213	< 0.001	
Bremen	1.100	1.041; 1.162	0.001		1,106	1,093; 1,118	< 0.001	
North Rhine-Westphalia	1.073	1.063; 1.084	< 0.001		1,168	1,164; 1,171	< 0.001	
Hesse	1.152	1.129; 1.175	< 0.001		1,269	1,262; 1,276	< 0.001	
Rhineland-Palatinate	1.091	1.062; 1.120	< 0.001		1,207	1,199; 1,215	< 0.001	
Baden-Württemberg	1.085	1.066; 1.105	< 0.001		1,250	1,244; 1,256	< 0.001	
Bavaria	1.126	1.110; 1.142	< 0.001		1,348	1,342; 1,354	< 0.001	
Saarland	1.012	0.965; 1.062	0.616		1,120	1,107; 1,134	< 0.001	
Berlin	1.178	1.149; 1.207	< 0.001		1,284	1,277; 1,291	< 0.001	
Brandenburg	1.148	1.111; 1.186	< 0.001		1,211	1,201; 1,220	< 0.001	
Mecklenburg-Western Pomerania	1.116	1.079; 1.154	< 0.001		1,250	1,239; 1,261	< 0.001	
Saxony	1.126	1.099; 1.153	< 0.001		1,243	1,235; 1,250	< 0.001	
Saxony-Anhalt	1.113	1.076; 1.152	< 0.001		1,181	1,173; 1,190	< 0.001	
Thuringia	1.110	1.076; 1.145	< 0.001		1,220	1,210; 1,231	< 0.001	

Note: IRR = Incidence Ratio Ratio; CI = Confidence Interval

**Supplementary table 3:** Descriptive statistics of unemployed people with and without severe disabilities in 2020.

	People with severe disabilities				People without severe disabilities			
	January to March 2020		April to December 2020		January to March 2020		April to December 2020	
	n	%	n	%	n	%	n	%
<b>Sex</b>								
Women	63,371	39.8	70,024	40.4	956,790	43.0	1,156,028	44.0
Men	95,853	60.2	103,156	59.6	1,269,079	57.0	1,468,922	56.0
<b>Unemployment benefits</b>								
Social Code III	71,355	44.8	80,031	46.2	888,787	39.9	1,115,591	42.5
Social Code II	87,869	55.2	93,149	53.8	1,337,082	60.1	1,509,359	57.5
<b>Age group</b>								
15 to 29 years	13,865	8.7	15,724	9.1	465,737	20.9	581,167	22.1
30 to 49 years	48,313	30.3	52,964	30.6	1,048,197	47.1	1,244,975	47.4
50 years and older	97,045	60.9	104,493	60.3	711,909	32.0	798,781	30.4

Note: Deviations from 100% are due to rounding.