

SUPPLEMENTARY MATERIAL

Table S1. Restricted mean survival time (RMST) analyses on the influence of chronic diseases on entering paid employment during a 10-year follow-up among persons who were initially unemployed, stratified by education (extended table). **Bold:** estimate is statistically significant.

	RMST chronic disease		RMST no chronic disease		RMST chronic disease vs. no chronic disease	
	Entering paid employment (%)	Months until paid employment (95%CI)	Entering paid employment (%)	Months until paid employment (95%CI)	Unadjusted difference in months until paid employment (95%CI)	Adjusted difference in months until paid employment (95%CI) ^a
Cardiovascular diseases	15.6%	101.76 (101.47–102.06)	32.8%	84.68 (84.54–84.81)	17.09 (16.76–17.41)	10.37 (9.98–10.77)
Low education	11.7%	107.43 (107.06–107.79)	26.6%	93.44 (93.25–93.62)	13.99 (13.58–14.39)	9.74 (9.23–10.25)
Intermediate education	30.7%	83.59 (82.78–84.39)	52.1%	63.67 (63.40–63.95)	19.91 (19.06–20.77)	16.42 ^b (15.47–17.37)
High education	34.4%	78.47 (77.14–79.79)	60.4%	51.91 (51.49–52.33)	26.56 (25.17–27.94)	19.30 ^b (17.84–20.76)
Inflammatory conditions	12.3%	98.53 (98.13–98.92)	23.3%	87.53 (87.38–87.69)	11.00 (10.57–11.42)	2.50 (1.97–3.03)
Low education	9.5%	103.93 (103.46–104.39)	16.5%	95.75 (95.53–95.97)	8.18 (7.66–8.70)	3.27 (2.56–3.99)
Intermediate education	22.7%	77.86 (76.80–78.92)	38.0%	66.40 (66.07–66.72)	11.46 (10.35–12.57)	3.17 (1.71–4.63)
High education	23.0%	77.24 (75.20–79.28)	49.9%	53.81 (53.35–54.27)	23.43 (21.34–25.53)	4.48 (1.97–6.98)
Diabetes	14.7%	104.32 (103.89–104.75)	34.1%	86.26 (86.13–86.38)	18.06 (17.62–18.51)	7.96 (7.45–8.48)
Low education	11.2%	109.13 (108.63–109.63)	27.9%	94.96 (94.80–95.13)	14.17 (13.64–14.69)	7.35 (6.70–7.99)
Intermediate education	33.7%	83.43 (82.08–84.78)	54.4%	65.64 (65.38–65.90)	17.79 (16.41–19.17)	13.54 ^b (12.03–15.05)
High education	36.0%	80.06 (77.77–82.36)	61.9%	54.45 (54.05–54.84)	25.62 (23.29–27.95)	19.21 ^b (16.86–21.57)
Respiratory illness	17.0%	99.10 (98.68–99.52)	31.9%	86.21 (86.08–86.34)	12.89 (12.45–13.33)	3.98 (3.55–4.42)
Low education	12.4%	105.85 (105.35–106.35)	25.7%	94.72 (94.55–94.90)	11.12 (10.60–11.65)	4.13 (3.53–4.72)
Intermediate education	33.7%	77.31 (76.19–78.42)	51.1%	65.46 (65.19–65.74)	11.84 (10.70–12.99)	5.94 ^b (4.71–7.17)
High education	41.3%	66.82 (64.85–68.79)	59.2%	54.64 (54.23–55.05)	12.18 (10.17–14.19)	6.88 ^b (4.83–8.92)
Common mental disorders	12.5%	105.71 (105.45–105.98)	32.0%	83.49 (83.35–83.63)	22.22 (21.92–22.53)	7.33 (7.00–7.66)
Low education	9.5%	109.78 (109.45–110.12)	25.2%	92.63 (92.44–92.83)	17.15 (16.76–17.54)	6.04 (5.61–6.47)
Intermediate education	23.4%	91.61 (90.87–92.36)	51.4%	61.38 (61.09–61.66)	30.24 (29.44–31.03)	14.02 ^b (13.20–14.84)
High education	28.8%	84.89 (83.60–86.17)	60.3%	50.63 (50.20–51.05)	34.26 (32.91–35.61)	15.91 ^b (14.57–17.26)
Psychotic disorders	7.7%	112.46 (112.16–112.75)	34.0%	85.09 (84.96–85.22)	27.37 (27.05–27.69)	9.28 (8.88–9.68)
Low education	7.8%	112.42 (111.96–112.89)	27.2%	94.51 (94.34–94.68)	17.91 (17.42–18.41)	6.65 (6.10–7.20)
Intermediate education	14.6%	104.86 (103.96–105.76)	54.5%	63.67 (63.40–63.93)	41.19 (40.25–42.13)	19.62 ^b (18.60–20.64)
High education	17.0%	102.60 (101.05–104.15)	62.3%	52.68 (52.29–53.08)	49.92 (48.32–51.52)	26.03 ^b (24.35–27.72)

^a Models are adjusted for age, gender, living with a partner, having children, migration background, educational attainment, number of months in paid employment before baseline, and the presence of an additional chronic disease at baseline.

^b Difference in RMST between persons with and without chronic diseases was statistically significantly different among persons with intermediate or high education compared to persons with low education at the 0.05 level.

Table S2. Restricted mean survival time (RMST) analyses on the influence of chronic diseases on obtaining a permanent contract during a 10-year follow-up among persons who entered paid employment, stratified by education (extended table). **Bold:** estimate is statistically significant.

	RMST chronic disease		RMST no chronic disease		RMST chronic disease vs. no chronic disease	
	Obtaining a permanent contract (%)	Months until permanent contract (95%CI)	Obtaining a permanent contract (%)	Months until permanent contract (95%CI)	Unadjusted difference in months until permanent contract (95%CI)	Adjusted difference in months until permanent contract (95%CI) ^a
Cardiovascular diseases	42.3%	53.91 (52.74–55.08)	40.3%	55.88 (55.58–56.19)	-1.98 (-3.19– -0.76)	4.42 (1.85–6.99)
Low education	43.6%	49.19 (47.26–51.12)	39.2%	52.05 (51.49–52.61)	-2.86 (-4.87– -0.85)	6.69 (1.01–12.36)
Intermediate education	40.6%	55.16 (53.31–57.01)	39.9%	55.29 (54.81–55.77)	-0.13 (-2.04–1.79)	6.89 (1.25–12.54)
High education	36.5%	64.33 (61.56–67.09)	42.3%	60.79 (60.16–61.41)	3.54 (0.71–6.38)	-5.20 ^b (-13.32–2.92)
Inflammatory conditions	33.6%	57.63 (55.82–59.44)	37.1%	57.54 (57.14–57.95)	0.08 (-1.77–1.94)	4.80 (2.02–7.59)
Low education	35.6%	54.73 (52.01–57.44)	36.3%	53.99 (53.18–54.81)	0.74 (-2.10–3.57)	6.15 (-1.54–13.85)
Intermediate education	30.5%	59.63 (56.68–62.58)	36.0%	56.92 (56.28–57.56)	2.71 (-0.31–5.73)	3.29 (-4.64–11.23)
High education	30.5%	60.88 (55.66–66.09)	38.4%	61.30 (60.56–62.04)	-0.42 (-5.69–4.85)	-2.73 (-19.47–14.01)
Diabetes	41.3%	53.79 (51.84–55.75)	41.5%	55.27 (54.99–55.55)	-1.47 (-3.45–0.50)	8.32 (4.26–12.37)
Low education	42.7%	49.75 (46.72–52.78)	40.3%	51.24 (50.74–51.74)	-1.50 (-4.57–1.58)	9.57 (-0.17–19.31)
Intermediate education	38.9%	55.16 (52.00–58.32)	41.1%	54.84 (54.40–55.28)	0.32 (-2.87–3.51)	8.12 (-2.36–18.61)
High education	36.1%	64.79 (59.85–69.73)	43.3%	60.48 (59.90–61.07)	4.31 (-0.66–9.28)	3.93 (-12.10–19.96)
Respiratory illness	40.4%	53.72 (52.19–55.26)	40.7%	55.69 (55.39–55.99)	-1.97 (-3.53– -0.40)	1.26 (-0.91–3.43)
Low education	41.2%	49.63 (47.04–52.22)	39.8%	51.76 (51.22–52.30)	-2.13 (-4.77–0.52)	3.94 (-3.01–10.89)
Intermediate education	38.6%	53.10 (50.69–55.52)	40.2%	55.39 (54.92–55.86)	-2.29 (-4.75–0.18)	-5.27 (-10.73–0.18)
High education	39.7%	61.42 (58.03–64.81)	42.3%	60.64 (60.02–61.25)	0.78 (-2.66–4.23)	5.17 (-5.76–16.09)
Common mental disorders	40.4%	51.35 (49.98–52.73)	41.3%	56.02 (55.71–56.33)	-4.67 (-6.07– -3.26)	1.91 (-0.05–3.88)
Low education	40.6%	47.63 (45.26–50.00)	40.3%	52.20 (51.64–52.75)	-4.57 (-7.00– -2.13)	3.11 (-2.90–9.12)
Intermediate education	39.3%	51.49 (49.35–53.63)	40.7%	55.72 (55.25–56.20)	-4.24 (-6.43– -2.04)	0.78 (-4.69–6.26)
High education	36.9%	59.64 (56.56–62.73)	43.0%	60.70 (60.09–61.32)	-1.06 (-4.21–2.09)	4.22 (-4.82–13.25)
Psychotic disorders	46.9%	39.00 (36.88–41.13)	41.6%	55.57 (55.28–55.85)	-16.56 (-18.71– -14.42)	-7.04 (-9.94– -4.14)
Low education	46.7%	37.20 (33.85–40.56)	40.6%	51.16 (50.67–51.65)	-13.96 (-17.35– -10.57)	-9.91 (-13.94– -5.89)
Intermediate education	43.0%	40.08 (36.63–43.53)	41.2%	55.15 (54.71–55.59)	-15.08 (-18.56– -11.60)	2.58 ^b (-4.63–9.80)
High education	39.2%	49.30 (43.79–54.81)	43.3%	59.79 (59.22–60.36)	-10.49 (-16.03– -4.95)	-15.19 (-22.29– -8.09)

^a Models are adjusted for age, gender, living with a partner, having children, migration background, educational attainment, number of months in paid employment before baseline, and the presence of an additional chronic disease at baseline.

^b Difference in RMST between persons with and without chronic diseases was statistically significantly different among persons with intermediate or high education compared to persons with low education at the 0.05 level.