

**Table S1.10 Exposure assessment quality in studies of cancer of the colon and rectum among night shift workers other than aircrew**

	<b>Type of assessment</b> 1. Objective; 2. Subjective; 3. JEM	<b>Definition of night shift</b> 1. Defined (exp 3+ hrs b/w 23–06) 2. Defined (other) 3. Undefined	<b>Reference group: Past or present schedule includes NSW</b> 1. No 2. Yes 3. Undefined	<b>Intensity of NSW</b> 1. Precise 2. Imprecise 3. No info	<b>Duration of exposure to NSW</b> 1. Complete 2. Partial (limited period) 3. Partial (1 time pt) 4. No info	<b>Temporality of exposure</b> 1. Complete 2. Partial 3. No info	<b>Number of consecutive night shifts (speed of rotation)</b> 1. Precise 2. Imprecise 3. No info	<b>Direction of night shift rotation</b> 1. Precise 2. Imprecise 3. No info	<b>Type of NSW schedule</b> 1. Perm night 2. Rotating 3. Imprecise 4. No info	<b>Start and end times of all shifts</b> 1. Precise 2. Imprecise 3. No info
Devore et al. (2017)	Subjective	Undefined	Undefined	Imprecise	Complete	No info	No info	No info	No info	No info
Gu et al. (2015)	Subjective	Undefined	Undefined	Imprecise	Partial (limited period)	No info	No info	No info	No info	No info
Jørgensen et al. (2017)	Subjective	Defined (other)	Undefined	No info	Partial (1 time pt)	No info	No info	No info	No info	No info
Papantoniou et al. (2017)	Subjective	Defined (exp 3+ hrs b/w 23–06)	No	Precise	Complete	Partial	No info	No info	Perm night, Imprecise	No info
Papantoniou et al. (2018)	Subjective	Undefined	Undefined	Imprecise	Complete	No info	No info	No info	No info	No info
Parent et al. (2012)	Subjective	Defined (other)	No	No info	Complete	Complete	No info	No info	Imprecise	No info
Schernhammer et al. (2003)	Subjective	Undefined	Undefined	Imprecise	Complete	No info	No info	No info	No info	No info
Yong et al. (2014a) Incidence	Objective	Defined (exp 3+ hrs b/w 23–06)	No	No info	Partial (limited period)	Complete	No info	No info	Rotating	No info
Yong et al. (2014b) Mortality	Objective	Defined (exp 3+ hrs b/w 23–06)	No	No info	Partial (limited period)	Complete	No info	No info	Rotating	No info

**References**

- Devore EE, Massa J, Papantoniou K, Schernhammer ES, Wu K, Zhang X, et al. (2017). Rotating night shift work, sleep, and colorectal adenoma in women. *Int J Colorectal Dis.* 32(7):1013–8. <https://doi.org/10.1007/s00384-017-2758-z> PMID:28097381
- Gu F, Han J, Laden F, Pan A, Caporaso NE, Stampfer MJ, et al. (2015). Total and cause-specific mortality of U.S. nurses working rotating night shifts. *Am J Prev Med.* 48(3):241–52. <https://doi.org/10.1016/j.amepre.2014.10.018> PMID:25576495
- Jørgensen JT, Karlsen S, Stayner L, Andersen J, Andersen ZJ (2017). Shift work and overall and cause-specific mortality in the Danish nurse cohort. *Scand J Work Environ Health.* 43(2):117–26. <https://doi.org/10.5271/sjweh.3612> PMID:28245504
- Papantoniou K, Castaño-Vinyals G, Espinosa A, Turner MC, Alonso-Aguado MH, Martin V, et al. (2017). Shift work and colorectal cancer risk in the MCC-Spain case-control study. *Scand J Work Environ Health.* 43(3):250–9. <https://doi.org/10.5271/sjweh.3626> PMID:28251241
- Papantoniou K, Devore EE, Massa J, Strohmaier S, Vetter C, Yang L, et al. (2018). Rotating night shift work and colorectal cancer risk in the nurses' health studies. *Int J Cancer.* 143(11):2709–17. <https://doi.org/10.1002/ijc.31655> PMID:29978466
- Parent ME, El-Zein M, Rousseau MC, Pintos J, Siemiatycki J (2012). Night work and the risk of cancer among men. *Am J Epidemiol.* 176(9):751–9. <https://doi.org/10.1093/aje/kws318> PMID:23035019
- Schernhammer ES, Laden F, Speizer FE, Willett WC, Hunter DJ, Kawachi I, et al. (2003). Night-shift work and risk of colorectal cancer in the nurses' health study. *J Natl Cancer Inst.* 95(11):825–8. <https://doi.org/10.1093/jnci/95.11.825> PMID:12783938
- Yong M, Blettner M, Emrich K, Nasterlack M, Oberlinner C, Hammer GP (2014a). A retrospective cohort study of shift work and risk of incident cancer among German male chemical workers. *Scand J Work Environ Health.* 40(5):502–10. <https://doi.org/10.5271/sjweh.3438> PMID:24892305
- Yong M, Nasterlack M, Messerer P, Oberlinner C, Lang S (2014b). A retrospective cohort study of shift work and risk of cancer-specific mortality in German male chemical workers. *Int Arch Occup Environ Health.* 87(2):175–83. <https://doi.org/10.1007/s00420-013-0843-3> PMID:23377535