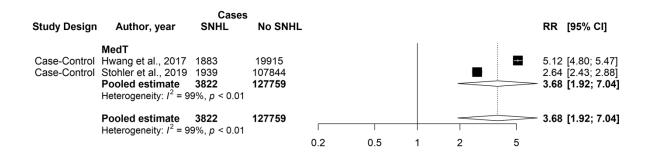
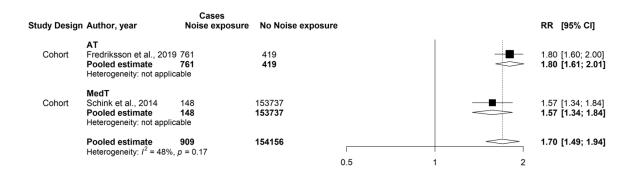
Supplementary Figure 1. Hearing loss (unspecified)

	Cases							
Study Design	Author, year	HL	No HL				RR [95% CI]	
Cohort	AT Gopinath et al., 2010 Pooled estimate Heterogeneity: not applica	55 55 ble	101 101		-		2.31 [1.46; 3.66] 2.31 [1.46 ; 3.66]	
Cohort	MedT Lee et al., 2016 Pooled estimate Heterogeneity: not applica	ble				-	2.02 [1.57; 2.60] 2.02 [1.57; 2.60]	
Cohort Cohort	SignificantT Nondahl et al., 2010 (M) Nondahl et al., 2010 (W) Pooled estimate Heterogeneity: I ² = 88%, µ				-		1.19 [0.82; 1.72] 2.59 [1.79; 3.74] 1.76 [0.82 ; 3.76]	
	Pooled estimate Heterogeneity: $I^2 = 69\%$, μ	55 0 = 0.02	101	0.5	1	2	1.94 [1.41; 2.67]	

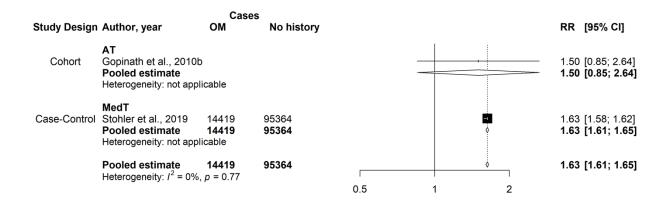
Supplementary Figure 2. Sensorineural hearing loss



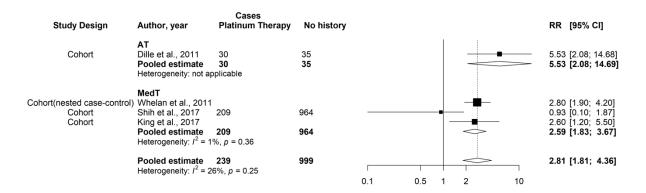
Supplementary Figure 3. Noise exposure (occupational)



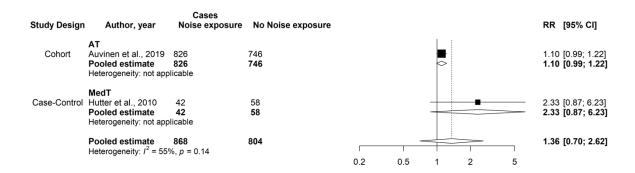
Supplementary Figure 4. Otitis media



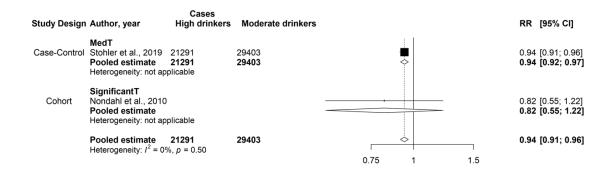
Supplementary Figure 5. Platinum (ototoxic)



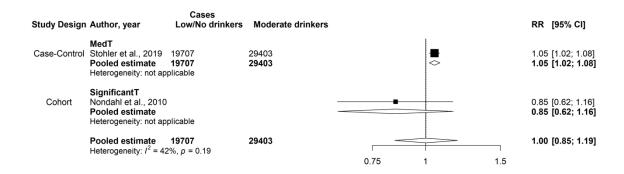
Supplementary Figure 6. Noise exposure (leisure)



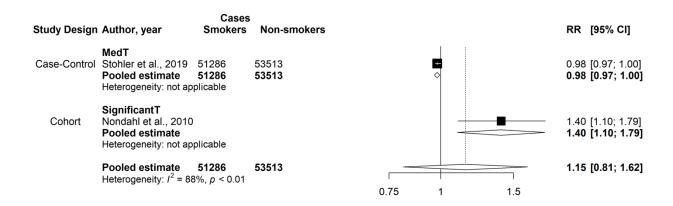
Supplementary Figure 7. Alcohol consumption (high)



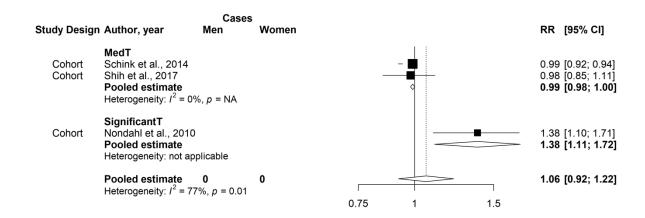
Supplementary Figure 8. Alcohol consumption (low)



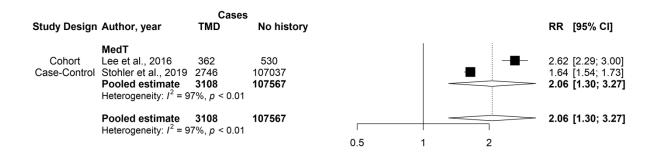
Supplementary Figure 9. Smoking



Supplementary Figure 10. Sex/gender



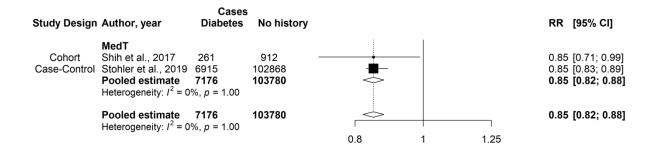
Supplementary Figure 11. Orofacial musculo-skeletal – temporomandibular joint disorder



Supplementary Figure 12. Mental health – depression

Study Design	Author, year	Cases Depression	No history			RR [95% CI]
Cohort Case-Control	MedT Chen et al., 2019 Stohler et al., 2019 Pooled estimate Heterogeneity: $I^2 = 0$	22462	265 87362 87627		•	- 1.23 [0.80; 1.79] 1.31 [1.28; 1.34] 1.31 [1.28; 1.34]
	Pooled estimate Heterogeneity: $I^2 = 0$	22462 %, <i>p</i> = 0.76	87627	0.75	1.5	1.31 [1.28; 1.34]

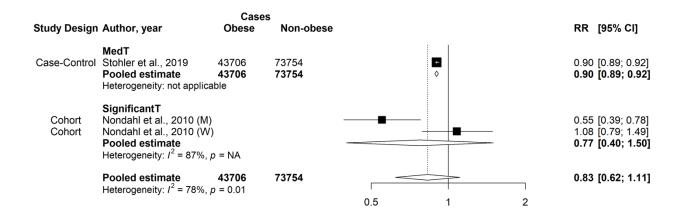
Supplementary Figure 13. Endocrine and metabolic - diabetes



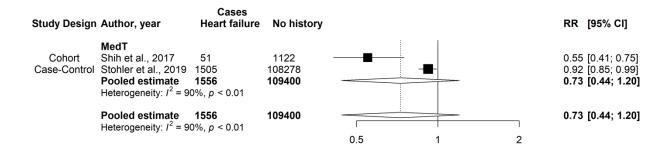
Supplementary Figure 14. Noise exposure (leisure)

Study Design	Author, year	Cases Noise exposure	No Noise exposure						RR [95% CI]
Cohort	AT Auvinen et al., 2019 Pooled estimate Heterogeneity: not app	826 826 blicable	746 746			■ <			1.10 [0.99; 1.22] 1.10 [0.99; 1.22]
Case-Control	MedT Hutter et al., 2010 Pooled estimate Heterogeneity: not app	42 42 blicable	58 58				-		2.33 [0.87; 6.23] 2.33 [0.87; 6.23]
	Pooled estimate Heterogeneity: $I^2 = 55$	868 %, p = 0.14	804	0.2	0.5	1	2	5	1.36 [0.70; 2.62]

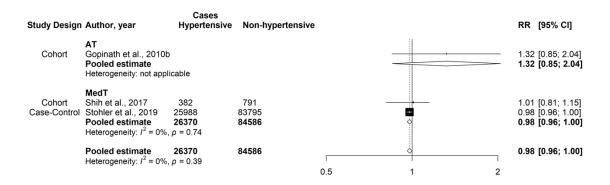
Supplementary Figure 15. Body mass index



Supplementary Figure 16. Cardiovascular – heart failure



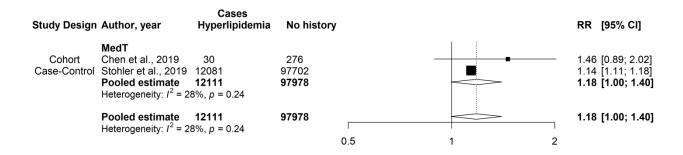
Supplementary Figure 17. Cardiovascular – hypertension



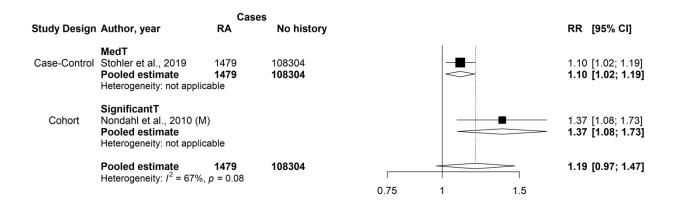
Supplementary Figure 18. Cardiovascular – stroke

Study Design	Author, year	Cases Stroke	No history		RR [95% CI]
Cohort Case-Control	MedT Shih et al., 2017 Stohler et al., 2019 Pooled estimate Heterogeneity: $I^2 = 0$	3506	1052 106398 107450	-	0.98 [0.65; 1.22] - 0.88 [0.84; 1.93] 0.94 [0.73; 1.21]
	Pooled estimate Heterogeneity: $I^2 = 0$	3506 %, <i>p</i> = 0.69	107450	0.75 1 1.5	0.94 [0.73; 1.21]

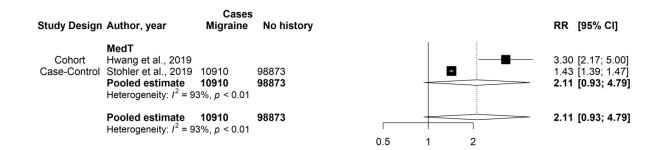
Supplementary Figure 19. Endocrine and metabolic – hyperlipidemia



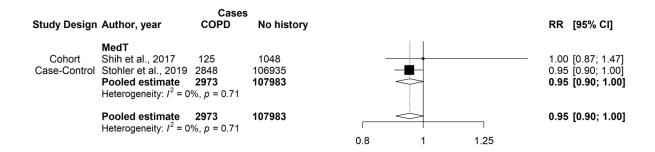
Supplementary Figure 20. Immune-mediated – rheumatoid arthritis



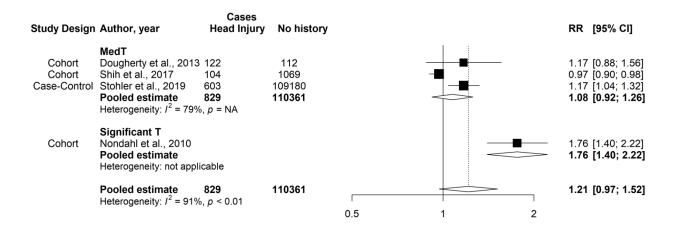
Supplementary Figure 21. Neurological - migraine



Supplementary Figure 22. Respiratory – Chronic obstructive pulmonary disease



Supplementary Figure 23. Traumatic head and neck injury – head injury



Supplementary Figure 24. Traumatic head and neck injury – whiplash

