

# Office for National Statistics - CPRD combined cohorts

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## Descriptive statistics

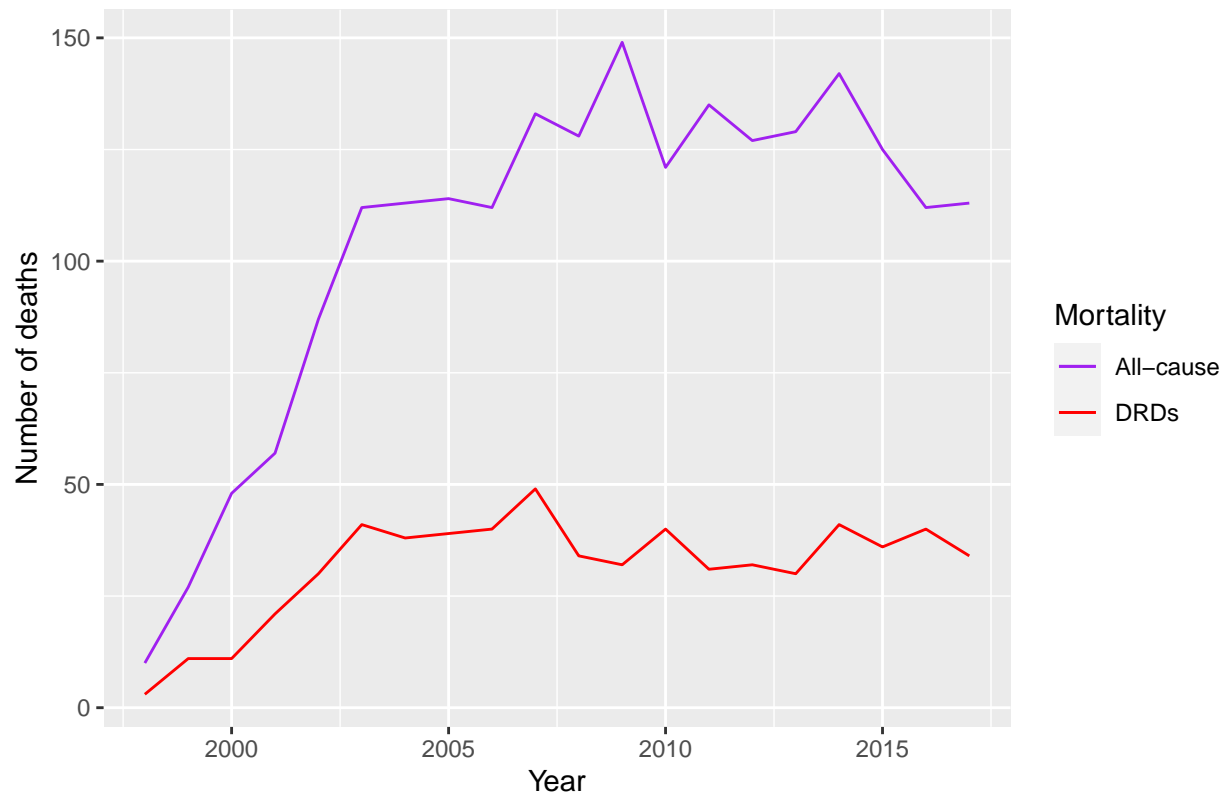
[AIM 1]

Describe the number of drug-related poisoning deaths and all-cause mortality, according to ICD-10 codes

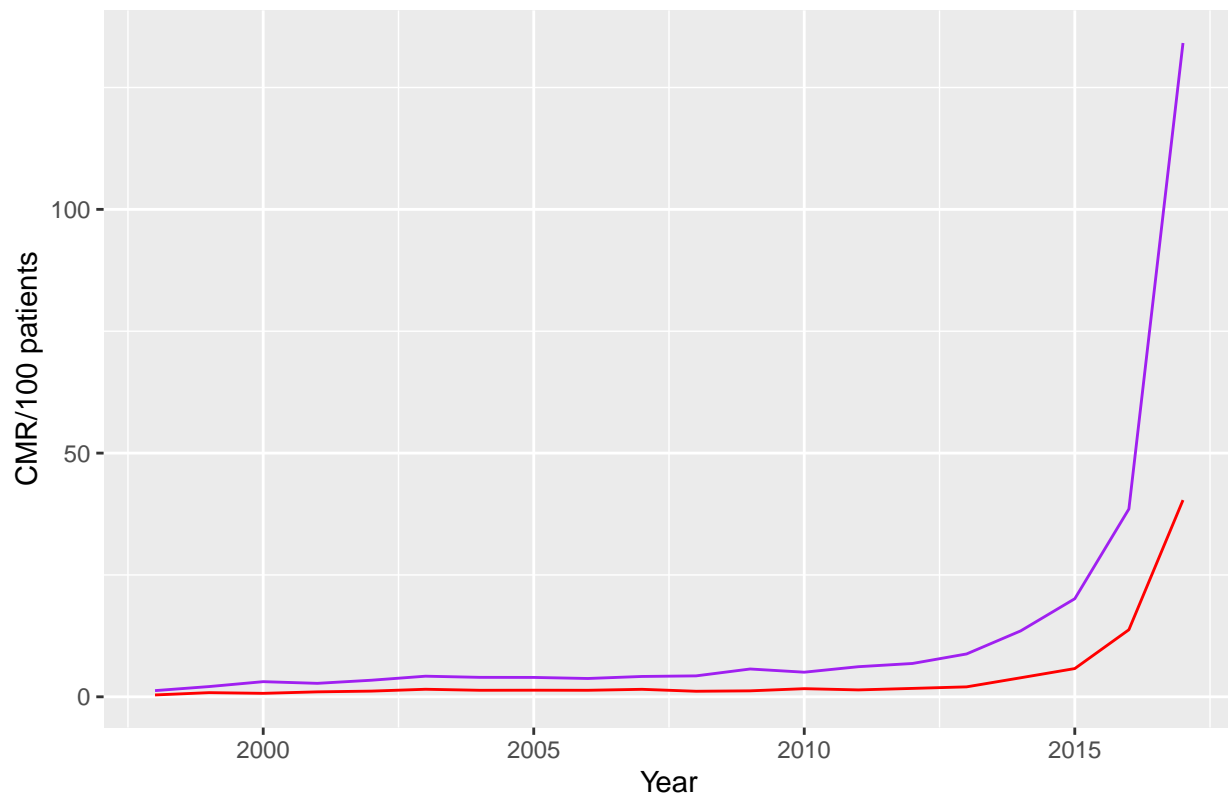
### Drug-related poisoning deaths: ONS definition

year	Np	Na	PY	PY_in	PY_out	CMR_p_100	CMR_a_100
1998	3	10	786.12183	60.75017	725.37166	0.3816202	1.272067
1999	11	27	1283.08282	137.40726	1145.67556	0.8573102	2.104307
2000	11	48	1544.88159	220.96099	1323.92060	0.7120287	3.107034
2001	21	57	2062.83915	334.54073	1728.29843	1.0180144	2.763182
2002	30	87	2557.50582	463.13484	2094.37098	1.1730179	3.401752
2003	41	112	2647.17317	644.63518	2002.53799	1.5488220	4.230928
2004	38	113	2828.44079	782.52977	2045.91102	1.3434964	3.995134
2005	39	114	2866.91855	891.92060	1974.99795	1.3603456	3.976395
2006	40	112	2979.27447	1084.75838	1894.51608	1.3426088	3.759304
2007	49	133	3186.86105	1190.55168	1996.30938	1.5375631	4.173386
2008	34	128	2981.06776	1270.39288	1710.67488	1.1405309	4.293763
2009	32	149	2610.89117	1209.80424	1401.08693	1.2256352	5.706864
2010	40	121	2396.48186	1201.65914	1194.82272	1.6691134	5.049068
2011	31	135	2184.55852	1109.28405	1075.27447	1.4190510	6.179738
2012	32	127	1857.36345	985.94114	871.42231	1.7228723	6.837649
2013	30	129	1467.34565	776.57769	690.76797	2.0445080	8.791385
2014	41	142	1049.79603	541.81246	507.98357	3.9055206	13.526437
2015	36	125	621.20739	364.20260	257.00479	5.7951661	20.122104
2016	40	112	290.68583	155.58385	135.10198	13.7605606	38.529570
2017	34	113	84.24367	55.77002	28.47365	40.3591160	134.134709

Number of annual Drug-related poisoning deaths – CPRD Combined/ONS



Drug-related poisoning death rate per 100 patients – CPRD Combined/ONS



[AIM 2]

Describe the number of DRDs and all-cause mortality, according to ICD-10 codes

a) Drug-related poisoning deaths

A tibble: 2 x 2

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poisoning_flag N_deaths 1 0 8678 2 1 633
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Table 2: Drug-poisoning deaths

Poisoning deaths	N
0	8678
1	633

Table 3: Drug-poisoning deaths

Cause of death	N
Accidental poisoning by drugs, medicaments and biological substances	418
Intentional self-poisoning by drugs, medicaments and biological substances	18
Mental and behavioural disorders due to psychoactive substances	169
Poisoning by drugs, medicaments and biological substances	28

## b) All-cause mortality

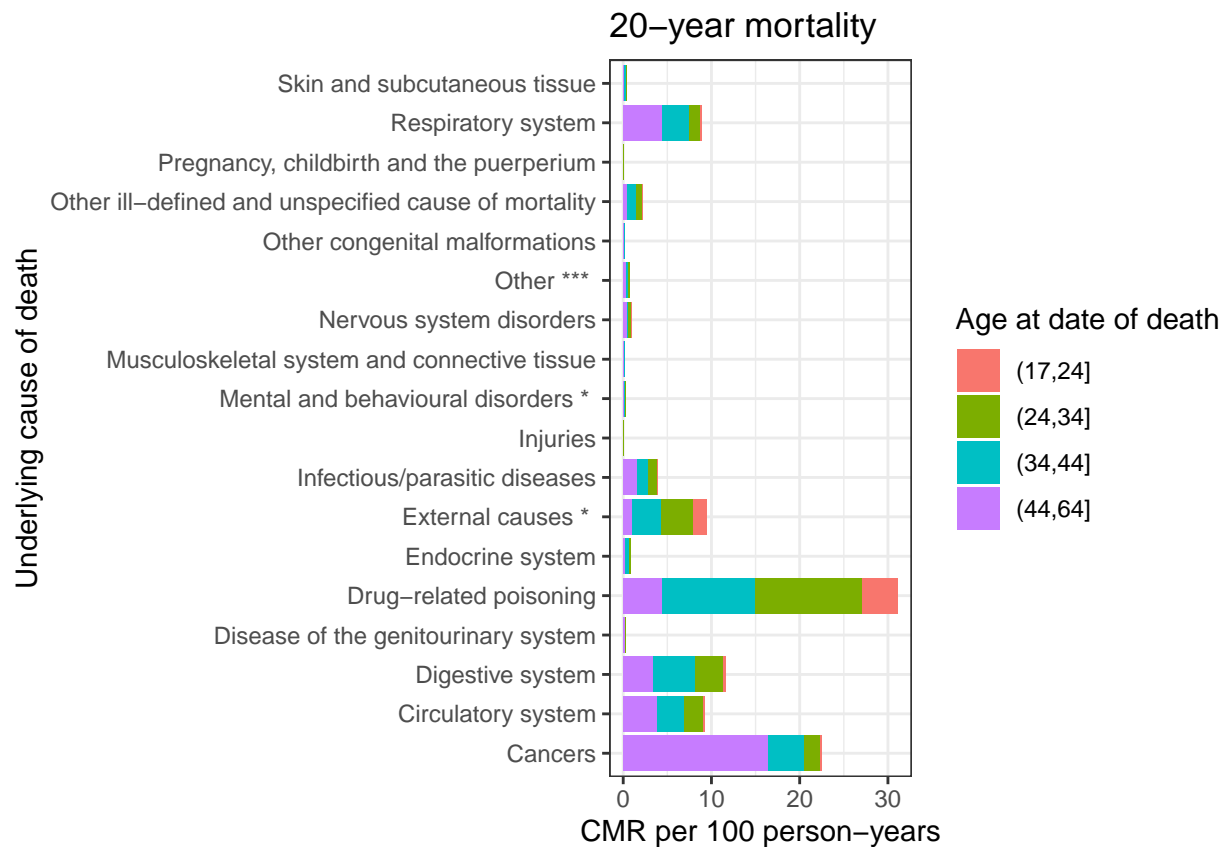
Table 4: All deaths occurred during 20 years of follow-up

Cause of death	N
Drug-related poisoning	633
Cancers	458
Digestive system	235
External causes *	193
Circulatory system	188
Respiratory system	180
Infectious/parasitic diseases	79
Other ill-defined and unspecified cause of mortality	46
Nervous system disorders	20
Endocrine system	18
Other ***	15
Skin and subcutaneous tissue	8
Disease of the genitourinary system	6
Mental and behavioural disorders *	5
Other congenital malformations	4
Musculoskeletal system and connective tissue	3
Injuries	2
Pregnancy, childbirth and the puerperium	1

Table 5: Causes of death per age at death

Cause of death	Age	N
Cancers	(17,24]	6
Cancers	(24,34]	35
Cancers	(34,44]	84
Cancers	(44,64]	333
Circulatory system	(17,24]	5
Circulatory system	(24,34]	44
Circulatory system	(34,44]	61
Circulatory system	(44,64]	78
Digestive system	(17,24]	7
Digestive system	(24,34]	63
Digestive system	(34,44]	96
Digestive system	(44,64]	69
Disease of the genitourinary system	(24,34]	2
Disease of the genitourinary system	(34,44]	1
Disease of the genitourinary system	(44,64]	3
Drug-related poisoning	(17,24]	83
Drug-related poisoning	(24,34]	248
Drug-related poisoning	(34,44]	212
Drug-related poisoning	(44,64]	90
Endocrine system	(24,34]	6
Endocrine system	(34,44]	8
Endocrine system	(44,64]	4
External causes *	(17,24]	33
External causes *	(24,34]	73
External causes *	(34,44]	67

Cause of death	Age	N
External causes *	(44,64]	20
Infectious/parasitic diseases	(17,24]	3
Infectious/parasitic diseases	(24,34]	19
Infectious/parasitic diseases	(34,44]	26
Infectious/parasitic diseases	(44,64]	31
Injuries	(24,34]	2
Mental and behavioural disorders *	(24,34]	2
Mental and behavioural disorders *	(34,44]	1
Mental and behavioural disorders *	(44,64]	2
Musculoskeletal system and connective tissue	(24,34]	1
Musculoskeletal system and connective tissue	(34,44]	1
Musculoskeletal system and connective tissue	(44,64]	1
Nervous system disorders	(17,24]	3
Nervous system disorders	(24,34]	7
Nervous system disorders	(34,44]	3
Nervous system disorders	(44,64]	7
Other ***	(24,34]	5
Other ***	(34,44]	4
Other ***	(44,64]	6
Other congenital malformations	(24,34]	1
Other congenital malformations	(34,44]	1
Other congenital malformations	(44,64]	2
Other ill-defined and unspecified cause of mortality	(17,24]	5
Other ill-defined and unspecified cause of mortality	(24,34]	12
Other ill-defined and unspecified cause of mortality	(34,44]	20
Other ill-defined and unspecified cause of mortality	(44,64]	9
Pregnancy, childbirth and the puerperium	(24,34]	1
Respiratory system	(17,24]	4
Respiratory system	(24,34]	26
Respiratory system	(34,44]	61
Respiratory system	(44,64]	89
Skin and subcutaneous tissue	(17,24]	1
Skin and subcutaneous tissue	(24,34]	2
Skin and subcutaneous tissue	(34,44]	3
Skin and subcutaneous tissue	(44,64]	2



Difference between expected completion of last issued prescription and exit date

