

ICD 10 – AM - 11<sup>th</sup> Edition

History

(WHO history of ICD)

"The Chronical Diseases shew the ordinary temper of the Place, so that upon the proportion of Chronical Diseases seems to hang the judgment of the fitness of the Country for long life"

John Graunt 1662

# Natural and Political OBSERVATIONS

Mentioned in a following INDEX, and made upon the

# Bills of Mortality.

BY

Gapt. 30 HN GRAUNT, Fellow of the Royal Society.

With reference to the Government, Religion, Trade, Growth, Air, Diseases, and the several Changes of the said CITY.

Contentus paucis Le Etoribus.

The Fifth Edition, much Enlarged.

#### LONDON.

Printed by John Martyn, Printer to the Royal Society, at the Sign of the Bell in St. Panl's Church-yard, MDCLXXVI.

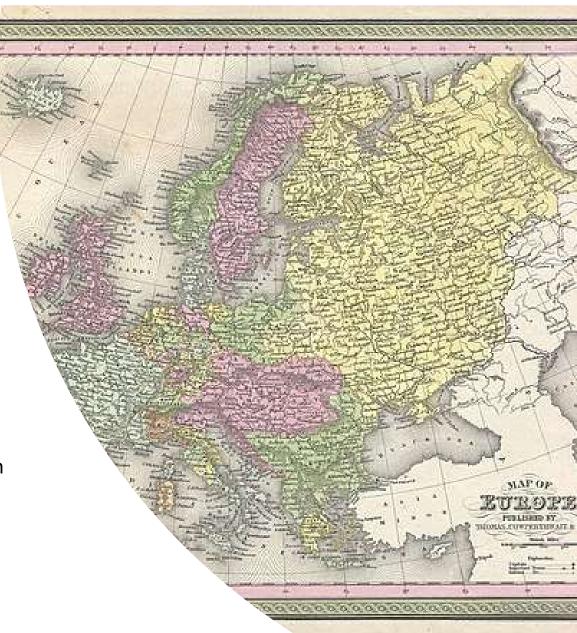
## History – Weekly Bills of Mortality

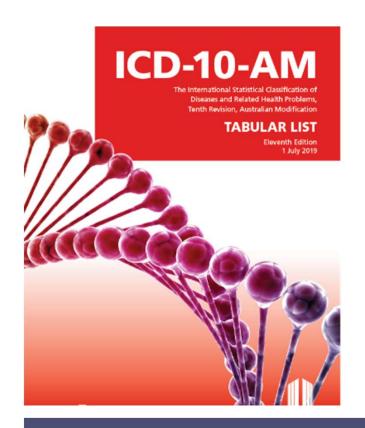
- Capt. John Graunt in 1662
- 'Father of epidemiology' population health
- Deaths of children under 6 (36%) in London
- Weekly editions for ~50 years
- Houses visited by elderly women to collect data
- "thrush, convulsions, rickets, teeth and worms, abortives, chrysosomes, infants, livergrown"
- + smallpox, swinepox, measles and worms without convulsions

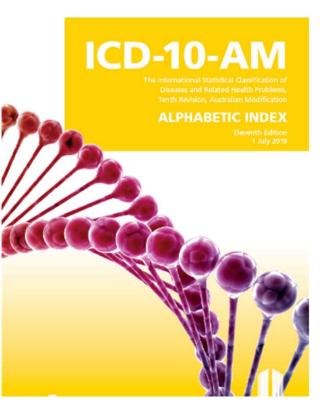
# First International Statistical Congress 1853

Tasked to prepare an internationally applicable, uniform classification of causes of death:

- 1. Epidemic Diseases
- 2. Constitutional Diseases
- 3. Local diseases according to anatomical site
- 4. Developmental Diseases
- 5. Diseases resulting from direct violence
- By 1900 a detailed classification of causes of death in 179 groups was agreed – effectively ICD-1
- In 1938 ICD-5 agreed an international list of diseases (rather than just causes of death) should be compiled







Which takes us to ICD - 10

- Why...? Because in CIMHA 5:
  - A primary diagnosis must be entered as a mandatory item when opening a service episode.
  - It is acceptable for any clinician to enter a provisional diagnosis.
  - Two or more disciplines constitute an MDT for confirming a diagnosis (without one having to be a doctor)
  - Secondary diagnoses is optional (at this stage of our transition)

## Clinician's Handbook Volume 3: Diagnosis

V2.0



## And also.....

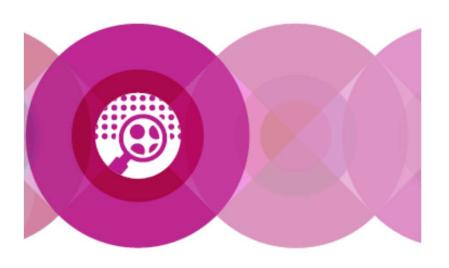
- A diagnosis is the nature and identity of a disease or a condition of a person, determined after assessment and interpretation. The recording of diagnosis into the consumers' record is primarily to provide clinical data to support clinical care. A provisional diagnosis should be included in the consumers' medical record (in this instance, CIMHA) as soon as an initial assessment has been completed.
- For clinicians, a diagnosis provides a common language and standard criteria for the classification of presenting problems and ensures that important information can be communicated accurately. It guides the development of a treatment plan and assists the consumer in the establishment of their recovery plan.
- For consumers coming to a mental health or AOD service (as well as their families and carers) a specific diagnosis forms an integral step in their engagement and treatment process. It can help to clarify and explain their signs and symptoms which might be confusing, anxiety provoking or disabling.



# Diagnosis

 "Finding out the cause of a health problem requires clinical assessment, testing and clinical reasoning so that an accurate diagnosis can be made and treatment can be tailored to a person's circumstances. Forming, testing, communicating, managing and documenting provisional and differential diagnoses are important aspects of developing the comprehensive care plan".





#### Implementing the Comprehensive Care Standard

Clinical assessment and diagnosis August 2020



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28 May 2019 1:30:00 PM	HLFU	31 May 2019 1:55:00 PM	W1A	3.02	S	F10.1
26 Jun 2018 6:56:00 PM	SSU	02 Jul 2018 3:40:00 PM	W1F	5.86	S	F10.2
01 Sep 2018 11:16:00 PM	SSU	03 Sep 2018 7:38:50 PM	TW	1.85	S	F10.1
14 Feb 2019 6:10:00 PM	EMU	15 Feb 2019 2:30:00 PM	EMU	0.85	P	T40.2
11 Jun 2019 9:17:00 PM	AWA	12 Jun 2019 3:24:00 PM	W2C	0.75	S	F12.2
03 Dec 2018 12:22:00 PM	RAMS	04 Dec 2018 6:52:46 PM	EMU	1.27	S	T42.4
03 Dec 2018 12:22:00 PM	RAMS	04 Dec 2018 6:52:46 PM	EMU	1.27	S	F10.1
12 Feb 2019 4:42:00 PM	SSU	15 Feb 2019 11:59:40 AM	W2B	2.80	S	F10.1
07 Jul 2018 5:52:00 AM	W1B	09 Jul 2018 6:45:00 PM	W1B	2.54	Р	F10.0
07 Jul 2018 5:52:00 AM	W1B	09 Jul 2018 6:45:00 PM	W1B	2.54	S	F10.2
02 Aua 2018 9:33:00 PM	SSU	03 Aug 2018 11:10:00 AM	SSU	0.57	S	F10.0
10 Aua 2018 7:48:00 PM	SSU	11 Aua 2018 9:23:00 AM	SSU	0.57	S	F10.0
10 Aua 2018 7:48:00 PM	SSU	11 Aug 2018 9:23:00 AM	SSU	0.57	S	F10.2
12 Feb 2019 8:51:00 AM	DOSA	18 Feb 2019 2:00:00 PM	W1F	6.21	S	F19.5
18 Sep 2018 2:49:00 PM	AWA	20 Sep 2018 2:33:05 PM	TST	1.99	S	F10.1
16 Oct 2018 11:49:00 AM	HLFU	23 Oct 2018 7:19:31 PM	TW	7.31	S	F11.1
05 Nov 2018 11:58:00 AM	AWA	09 Nov 2018 2:30:00 PM	TW	4.11	S	F11.1
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18 Sep 2018 7:05:00 AM	RAMS	20 Sep 2018 12:00:47 PM	EMU	2.21	S	F10.2
29 Oct 2018 9:10:00 PM	ED	29 Oct 2018 11:11:00 PM	ED	0.08	S	F10.0
29 Oct 2018 9:10:00 PM	ED	29 Oct 2018 11:11:00 PM	ED	0.08	S	F10.1
16 Jun 2019 9:42:00 AM	RAMS	21 Jun 2019 12:43:31 PM	TW	5.13	S	F10.2
16 Jun 2019 9:42:00 AM	RAMS	21 Jun 2019 12:43:31 PM	TW	5.13	S	F10.3
18 Jan 2019 4:41:00 PM	SSU	18 Jan 2019 8:13:11 PM	SSU	0.15	P	F10.3
21 Aug 2018 3:00:00 PM	RAMS	26 Aug 2018 1:50:00 PM	W1F	4.95	S	F11.2
18 Jun 2019 6:02:00 PM	RAMS	25 Jun 2019 2:00:00 PM	ACFC	6.83	S	F10.1
16 Jun 2019 4:31:00 PM	SSU	20 Jun 2019 1:18:39 PM	TST	3.87	S	F10.1

# ICD 10 A definite diagnosis of dependence should usually be made only if three or more of the following have been present together at some time during the previous year

- (a) a strong desire or sense of **compulsion** to take the substance;
- (b) difficulties in **control**ling substance-taking behaviour in terms of its onset, termination, or levels of use;
- (c) a physiological **withdrawal** state when substance use has ceased or been reduced, as evidenced by: the characteristic withdrawal syndrome for the substance; or use of the same (or a closely related) substance with the intention of relieving or avoiding withdrawal symptoms;
- (d) evidence of tolerance, such that increased doses of the psychoactive substances are required in order to achieve effects originally produced by lower doses
- (e) progressive neglect of alternative pleasures or interests because of psychoactive substance use, increased amount of **time** necessary to obtain or take the substance or to recover from its effects;
- (f) persisting with substance use despite clear evidence of overtly **harmful** consequences, such as harm to the liver through excessive drinking, depressive mood states consequent to periods of heavy substance use, or drug-related impairment of cognitive functioning;

DSM-5 Substance I "Required to include DSM-5 diagno			ICD-10 Code
Severity Levels  - Mild = Presence of 2-3 DSM criteria symptoms  - Moderate = Presence of 4-5 DSM criteria symptoms  - Severe = Presence of 6 or more DSM criteria symptoms		Examples	*For billing purposes
	MILD	Heroin, Hydrocodone (Norco, Vicadin).	F11.10
E 2000 000 000 000 000 000 000 000 000 0	MODERATE	Oxycodone (OxyContin, Percocat),	F11.20
Opioid Use Disorder	SEVERE	Morphine, Hydomorphone ( <u>Dilaudid</u> ), Codeine (cough syrup), Meperidine (Domorol), Fentanyl, etc.	F11.20
	MILD		F10.10
Alcohol Use Disorder	MODERATE	Beer, liquor, etc.	F10.20
ALUMOI USE DISUIDES	SEVERE	seer, aquor, etc.	F10.20
100	SEVERE	G 2	110.20
i ves exemples as 18	MILD		F12.10
Cannabis Use Disorder	MODERATE	Marijuana and marijuana-related products	F12.20
A CONTRACTOR OF THE CONTRACTOR	SEVERE	products	F12.20
	MILD		F15.10
Stimulant Use Disorder-	MODERATE	Methamphetamine (crystal meth, crank,	F15.20
Amphetamine-Type Substance	SEVERE	speed, tweek, glass, etc.)	F15.20
•	SEVERE		F15.20
Stimulant Use Disorder-	MILD	\$ 155.00 10A \$	F14.10
Cocaine Cocaine	MODERATE	Cocaine (coke, blow, snow, etc.)	F14.20
	SEVERE	3	F14.20
	MILD	Benzodiazepines (Xanax [alprazolam],	F13.10
18	MODERATE	Ativan [lorazepam], Valium [diazepam],	F13.20
Sedative, Hypnotic, or Anxiolytic Use Disorder	SEVERE	Klonopin (cionazepam)) Barbiturates (Pentobarbital, Secobarbital, etc.) Z-drugs (Ambien (zolpidem), Lunesta [eszopicione], Sonata [zalepion], Imrest (zopicione], etc.)	F13.20
12 22 2 2 12	MILD	LSD (acid), Ecstasy (MDMA), Ketamine,	F16.10
Other Hallucinogen Use Disorder	MODERATE	magic mushrooms (Psilocybin), Peyote	F16.20
	SEVERE	(Mescaline), etc.	F16.20
	MILD	Ritalin (methylphenidate), Adderrall	F15.10
Stimulant Use Disorder- Other or Unspecified Stimulant	MODERATE	(dextroamphetamine/amphetamine),	F15.20
	SEVERE	Vyvanse (isdexamfetamine), etc.	F15.20
	A.W.F.		
Phencyclidine (PCP) Use	MILD	224 100000000000000000000000000000000000	F16.10
Disorder	MODERATE	PCP (phencyclidine)	F16.20
	SEVERE		F16.20
Inhalant Use Disorder	MILD	(1)	F18.10
	MODERATE	Glues, spray cans, etc.	F18.20
	SEVERE	the state of the s	F18.20

ICD 11

- ➤ May just have 3 items!
  - Withdrawal
  - Loss of control
  - Cravings

#### ICD-10 Version:2019

Search

[ Advanced Search ]

4

ICD-10

**Versions - Languages** 

Info

#### ICD-10 Version:2019

- I Certain infectious and parasitic diseases
- II Neoplasms
- III Diseases of the blood and blood-forming organs and certain disorders involving the immune mechanism
- IV Endocrine, nutritional and metabolic diseases
- V Mental and behavioural disorders
- VI Diseases of the nervous system
- VII Diseases of the eye and adnexa
- VIII Diseases of the ear and mastoid process
- IX Diseases of the circulatory system
- X Diseases of the respiratory system
- XI Diseases of the digestive system
- XII Diseases of the skin and subcutaneous tissue
- XIII Diseases of the musculoskeletal system and connective tissue
- XIV Diseases of the genitourinary system
- XV Pregnancy, childbirth and the puerperium
- XVI Certain conditions originating in the perinatal period
- XVII Congenital malformations, deformations and chromosomal abnormalities
- XVIII Symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified
- XIX Injury, poisoning and certain other consequences of

International Statistical Classification of Diseases and Related Health Problems 10th Revision (ICD-10)-WHO Version for ;2019

# Chapter V Mental and behavioural disorders (F00-F99)

Incl.: disorders of psychological development

Excl.: symptoms, signs and abnormal clinical and laboratory findings, not elsewhere classified (R00-R99)

#### This chapter contains the following blocks:

- F00-F09 Organic, including symptomatic, mental disorders
- F10-F19 Mental and behavioural disorders due to psychoactive substance use
  - F20-F29 Schizophrenia, schizotypal and delusional disorders
  - F30-F39 Mood [affective] disorders
  - F40-F48 Neurotic, stress-related and somatoform disorders
  - F50-F59 Behavioural syndromes associated with physiological disturbances and physical factors
  - . F60-F69 Disorders of adult personality and behaviour
  - F70-F79 Mental retardation
  - F80-F89 Disorders of psychological development
  - F90-F98 Behavioural and emotional disorders with onset usually occurring in childhood and adolescence
  - . F99-F99 Unspecified mental disorder

#### Asterisk categories for this chapter are provided as follows:

- F00\* Dementia in Alzheimer disease
- F02\* Dementia in other diseases classified elsewhere

Mental and behavioural disorders due to use of alcohol	F10	A1 601101
[See before F10 for subdivisions]		ALCOHOL
Mental and behavioural disorders due to use of opioids	F11	
[See before F10 for subdivisions]	F11	OPIOIDS
Mental and behavioural disorders due to use of cannabinoids		
[See before F10 for subdivisions]	F12	CANINADINIOIDE
		CANNABINOIDS
Mental and behavioural disorders due to use of sedatives or hypnotics	F13	
[See before F10 for subdivisions]	113	SEDATIVES/HYPNOTICS
Mental and behavioural disorders due to use of cocaine		•
[See before F10 for subdivisions]	F14	COCAINE
		COCAINE
Mental and behavioural disorders due to use of other stimulants, including caffeine		
[See before F10 for subdivisions]	F15	STIMULANTS - MA
Mental and behavioural disorders due to use of hallucinogens		
[See before F10 for subdivisions]	F16	HALLUCINOGENS
Mental and behavioural disorders due to use of tobacco		
[See before F10 for subdivisions]	F17	TOBACCO
Mental and behavioural disorders due to use of volatile solvents		
[See before F10 for subdivisions]	F18	VOLATILE SUBSTANCES
19 Mental and behavioural disorders due to multiple drug use and use of other psychoactive substances	F19	
[See before F10 for subdivisions]	. 13	OTHER SURSTANCES

OTHER SUBSTANCES

This category should be used when two or more psychoactive substances are known to be involved, but it is impossible to assess which substance is contributing most to the disorders. It should also be used when the exact identity of some or even all the psychoactive substances being used is uncertain or unknown, since many multiple drug users themselves often do not know the details of what they are taking.

#### .0 Acute intoxication

A condition that follows the administration of a psychoactive substance resulting in disturbances in level of consciousness, cognition, perception, affect or behaviour, or other psycho-physiological functions and responses. The disturbances are directly related to the acute pharmacological effects of the substance and resolve with time, with complete recovery, except where tissue damage or other complications have arisen. Complications may include trauma, inhalation of vomitus, delirium, coma, convulsions, and other medical complications. The nature of these complications depends on the pharmacological class of substance and mode of administration.

Acute drunkenness (in alcoholism)

"Bad trips" (drugs)

Drunkenness NOS

Pathological intoxication

Trance and possession disorders in psychoactive substance intoxication

Excl.: intoxication meaning poisoning (T36-T50)

#### .1 Harmful use

A pattern of psychoactive substance use that is causing damage to health. The damage may be physical (as in cases of hepatitis from the self-administration of injected psychoactive substances) or mental (e. episodes of depressive disorder secondary to heavy consumption of alcohol).

Psychoactive substance abuse

#### .2 Dependence syndrome

A cluster of behavioural, cognitive, and physiological phenomena that develop after repeated substance use and that typically include a strong desire to take the drug, difficulties in controlling its use, persisting in its use despite harmful consequences, a higher priority given to drug use than to other activities and obligations, increased tolerance, and sometimes a physical withdrawal state.

The dependence syndrome may be present for a specific psychoactive substance (e.g. tobacco, alcohol, or diazepam), for a class of substances (e.g. opioid drugs), or for a wider range of pharmacologically different psychoactive substances.

Chronic alcoholism

Dipsomania

Drug addiction

#### .3 Withdrawal state

A group of symptoms of variable clustering and severity occurring on absolute or relative withdrawal of a psychoactive substance after persistent use of that substance. The onset and course of the withdrawal state are time-limited and are related to the type of psychoactive substance and dose being used immediately before cessation or reduction of use. The withdrawal state may be complicated by convulsions.

#### .4 Withdrawal state with delirium

A condition where the withdrawal state as defined in the common fourth character .3 is complicated by delirium as defined in F05.-. Convulsions may also occur. When organic factors are also considered to place a role in the etiology, the condition should be classified to F05.8.

Delirium tremens (alcohol-induced)

#### .5 Psychotic disorder

A cluster of psychotic phenomena that occur during or following psychoactive substance use but that are not explained on the basis of acute intoxication alone and do not form part of a withdrawal state. The disorder is characterized by hallucinations (typically auditory, but often in more than one sensory modality), perceptual distortions, delusions (often of a paranoid or persecutory nature), psychomotor disturbances (excitement or stupor), and an abnormal affect, which may range from intense fear to ecstasy. The sensorium is usually clear but some degree of clouding of consciousness, though not severe confusion, may be present.

Alcoholic:

- hallucinosis
- jealousy
- paranoia
- psychosis NOS

Excl.: alcohol- or other psychoactive substance-induced residual and late-onset psychotic disorder (F10-F19 with common fourth character .7)

#### .6 Amnesic syndrome

• • • • • • • • •

Chapter V – F00-F99 Mental and Behavioural Disorders

F10-19 substances are listed and qualified:

- F 10.0 Acute alcohol intoxication
- F 10.1 Harmful use includes depression from alcohol
- **F 10.2 Dependence** (~ DSM 5 like definition, may involve several substances)
- F 10.3 Withdrawal state
- F 10.4 Withdrawal complicated by delirium
- F 10.5 Psychotic state
- F 10.6 Amnesic
- F 10.7 Late onset psychosis
- F 10.8 Other manifestations / behaviours
- F 10.9 Unspecified mental and behaviour disorders

# Acute Intoxication: F 10.0 (i.e. alcohol)

- A condition that follows the administration of a psychoactive substance resulting in disturbances in level of consciousness, cognition, perception, affect or behaviour or other psychophysiological functions and responses.
- The disturbances are directly related to the acute pharmacological effects of the substance and resolve with time with complete recovery except where tissue damage or other complications have arisen.
- Complications may include trauma, inhalation of vomit, delirium, coma, convulsions of other medical complications.
- The nature of the complications depends on the pharmacological class of substance and mode of administration

# Dependence syndrome: F 10.2 (i.e. alcohol)

• A cluster of behavioural, cognitive and physiological phenomenon that develop after repeated substance use and that typically include a strong desire to take the drug, difficulties in controlling its use, persisting in its use despite harmful consequences, a higher priority given to the substance use that to other activities and obligations increased tolerance and sometimes a physical withdrawal state.

Withdrawal state F10.3 (i.e. alcohol)  a group of symptoms of variable clustering and severity occurring on absolute or relative withdrawal of a psychoactive substance after persistent use of that substance. The onset and course of the withdrawal state are time are time-limited and are related to the type of psychoactive substance and dose being used immediately before cessation or reduction in use.

## 48 year old man

- Alcohol use since age 22, daily drinking >4 years
- Up to 2.4 L of spirits / day
- Smokes 30 cigarettes per day
- Last drink 4 hours ago, BAL 0.35%
- Slurred speech, nystagmus, tachycardia, hypertension,

Any provisional diagnoses? ICD 10 coding? **F10.0** + **F17.2** 



F10	ALCOHOL		
F11	OPIOIDS		
F12	CANNABINOIDS		
F13	SEDATIVES/HYPNOTICS	0.	Acute Intoxication
F14	COCAINE	.1	Harmful use
F15	STIMULANTS - MA	.2	Dependence syndrome
			THE STATE OF THE STATE OF
F16	HALLUCINOGENS	.3	Withdrawal state
F17	TOBACCO		
	VOLATUE CURCTANICES		
F18	VOLATILE SUBSTANCES		
	OTHER SUBSTANCES		
F19	OTHER SUBSTAINCES		

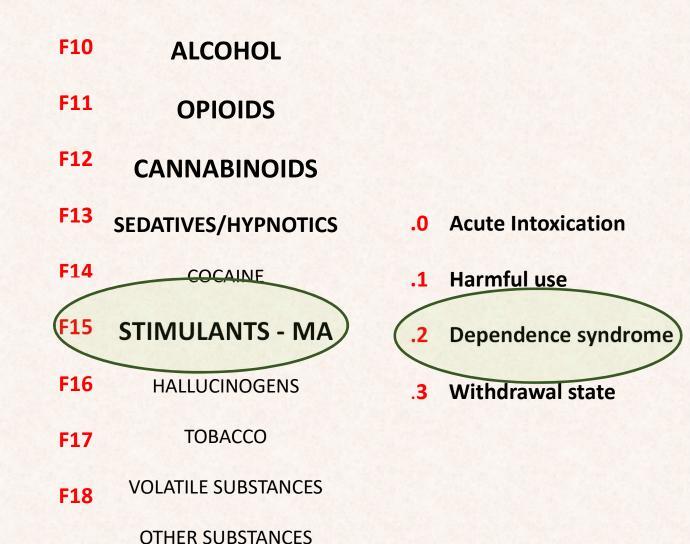
## 43 year old man

Using methamphetamine for 15 years, 5 days week, iv
Generally sleeps 3-4 nights per month Past psychotic episode, quit alcohol 2 years ago, non-smoker, no BZD
Up to 1 gm MA per day
Due to COVID-19 price has escalated from \$250 to \$1250/gm
On parole
Seeking entry into residential rehab

Any provisional diagnoses? ICD 10 coding? **F15.2** 



F19

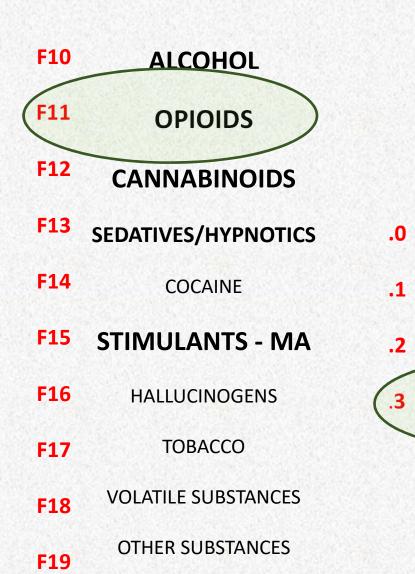


### 24 year old single mother

Using heroin from age 20, daily for 1 year ¼ gm per day iv, + 20 cigarettes daily 6yrs & 1.5 gm THC nightly 4 years h/o depression and anxiety, past deliberate self harm Traumatic upbringing, lost custody of her children 6/12 ago Last used 12 hours before OE Restless, sniffles, moist skin, pupils 6 mm brisk

Any provisional diagnoses? ICD 10 coding? **F11.3** + (F17.2 & F12.2)





**Acute Intoxication** 

Withdrawal state

Dependence syndrome

Harmful use

# Poisoning by drugs, medicaments and biological substances (T36-T50)

Incl.: overdose of these substances wrong substance given or taken in error

Excl.: abuse of non-dependence-producing substances (F55) adverse effects ["hypersensitivity", "reaction", etc.] of correct substance properly administered; such cases are to be classified according to the nature of the adverse effect, such as:

- aspirin gastritis (K29.-)
- blood disorders (D50-D76)
- · dermatitis:
  - · contact (L23-L25)
  - due to substances taken internally (L27.-)
- nephropathy (N14.0-N14.2)
- unspecified adverse effect of drug (<u>T88.7</u>)

intoxication meaning inebriation (F10-F19)
drug reaction and poisoning affecting the fetus and newborn (P00-P96)
pathological drug intoxication (F10-F19)

- S80-S89 Injuries to the knee and lower leg
- ▶ S90-S99 Injuries to the ankle and foot
- ▶ T00-T07 Injuries involving multiple body regions
- T08-T14 Injuries to unspecified part of trunk, limb or body region
- T15-T19 Effects of foreign body entering through natural orifice
- T20-T32 Burns and corrosions
- T33-T35 Frostbite
- T36-T50 Poisoning by drugs, medicaments and biological substances
- T51-T65 Toxic effects of substances chiefly nonmedicinal as to source
- ▶ T66-T78 Other and unspecified effects of external causes
- T79-T79 Certain early complications of trauma
- T80-T88 Complications of surgical and medical care, not elsewhere classified
- T90-T98 Sequelae of injuries, of poisoning and of other consequences of external causes
- XX External causes of morbidity and mortality
- XXI Factors influencing health status and contact with health services

ı					
l	T40	Poisoning by narcotics and psychodysleptics [hallucinogen			
l		Excl.: intoxication meaning inebriation (F10-F19)			
	T40.0	Opium			
	T40.1	Heroin			
	T40.2	Other opioids			
l		Codeine			
		Morphine			
	T40.3	Methadone			
l	T40.4	Other synthetic narcotics			
		Pethidine			
	T40.5	Cocaine			
	T40.6	Other and unspecified narcotics			
	T40.7	Cannabis (derivatives)			
	T40.8	Lysergide [LSD]			
	T40.9	Other and unspecified psychodysleptics [hallucinogens]			
l		Mescaline			
		Psilocin			
		Psilocybine			

# Diagnosis

- Provisional
- Confirmed by MDT
- Ended Referral/Service Episode Ended
- Ended Ongoing further care
- Ended superseded by new entry
- Ended superseded incorrect entry
- Ended resolved

The drop down selection for \* ICD Code is as per the screen shot, "Diagnosis types", each item in the list expands to eventually reach the specific diagnosis e.g. F10.0.

#### Comprehensive Care Education Series









Supporting clinicians to deliver comprehensive care

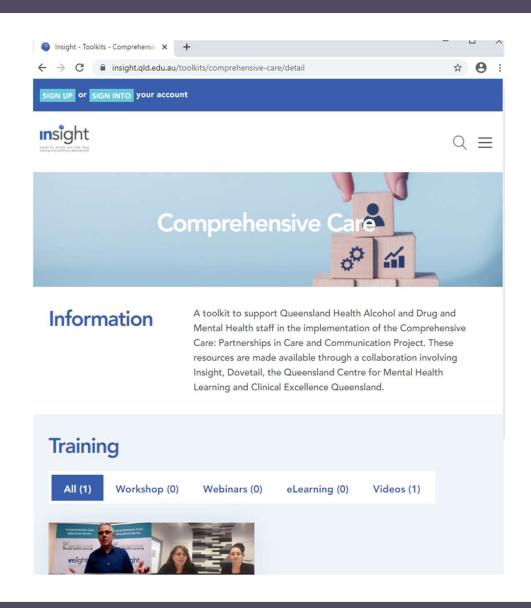
# Next Webinar

Formulation – Part I

**Dr Kathryn Turner** – Primary Presenter (and Co.)

Wednesday 11<sup>th</sup> November 2020 1130 – 1230

Via Zoom
(Keep an eye out of the invite)



www.insight.qld.edu.au