

Group 2: NARCOTIC DRUG MANAGEMENT

TRAINING MODULE



Dr. Britto

Dr. Archana

Mr. Samson

Ms. Sathya

Mr. Arun

Mr. Ramkumar

Dr. Manikandan

Reviewed By:

Dr. Lallu Joseph

Dr. Joseph Fidelis

Dr. Babu Narayan

WHAT

Narcotics : Opioid derivatives for sedation and control of pain

- Morphine
- Fortwin
- Pethidine
- Fentanyl
- Ketamine





PresenterMedia



Why!!!



drug abuse 🔍



EXPAND

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DRUG ABUSE

LAST UPDATED : JUN 27, 2019, 12:06 PM IST

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Bihar: Concern over rise in drug abuse cases

27 JUN 2019
Drug abuse cases have increased among the boys in college hostels, especially of medical colleges, since the state government enforced prohibition in Bihar on April 5, 2016, said additional chief secretary (home)

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Excise jazzes up drive against drug abuse with flash mob

27 JUN 2019
As part of spreading its anti-narcotic campaign on the International Day Against Drug Abuse and Illicit Trafficking, the Ernakulam excise division organized a slew of activities across the district on Wednesday

Police to reach out to schools and slums in drive against drug abuse

26 JUN 2019
In a bid to make citizens aware about the perils of drug abuse, officers of Bidhannagar Police and Kolkata Police have tied up with NGOs to organise rehabilitation camps and identified markets of the city and some schools

Schoolchildren in Ooty sensitized on drug abuse

27 JUN 2019
More than 800 people, including schoolchildren, participated in a rally to mark the International Day Against Drug Abuse and Illicit Trafficking in the

Students take out rallies against drug abuse

27 JUN 2019
District administration, police department and other institutions observed International Day against Drug Abuse and Illicit Trafficking on

Punjab: Police encouraging drug dependent persons for

21 JUN 2019

Man held with 7 grams heroin in Chandigarh

23 JUN 2019

Most Popular

- EC orders FIR against Rahul Gandhi for TV interview on Gujarat poll eve 
- File that could solve Bose's death mystery 'closed for 100 years' 

Harmful and Dependent Use

In this survey, a standard and validated tool, WHO ASSIST, was used to determine harmful use and dependence among users of various substances.

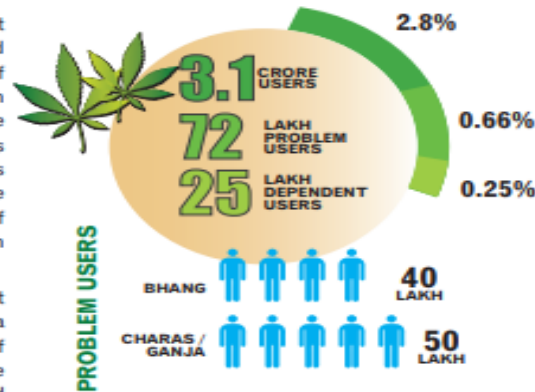
For most substances, a minority of users meet the threshold for 'harmful use' and 'dependence'. However, the proportion of harmful or dependent users, varied between different substances (indicating the differential propensity of various substances to develop problem use). The sum of estimates of Harmful and Dependent use represents the 'quantum of work' (i.e. proportion of population which needs help) for the health and social welfare sectors.

At the national level, as many as 19% of current users of alcohol consume alcohol in a dependent pattern. The prevalence of dependent pattern of alcohol use in the general population (10—75 years) is estimated to be 2.7%, or 2.9 crore individuals. States with high prevalence (more than 10%) of alcohol use disorders are: Tripura, Andhra Pradesh, Punjab, Chhattisgarh, and Arunachal Pradesh. An additional 2.5% of people in the country (about 2.7 crore individuals), consume alcohol in a harmful manner. In other words, about 5.2% of the population (more than 5.7 crore individuals) are affected by harmful or dependent alcohol use and need help for their alcohol use problems. Nearly one in five alcohol users suffers from alcohol dependence and needs urgent treatment.

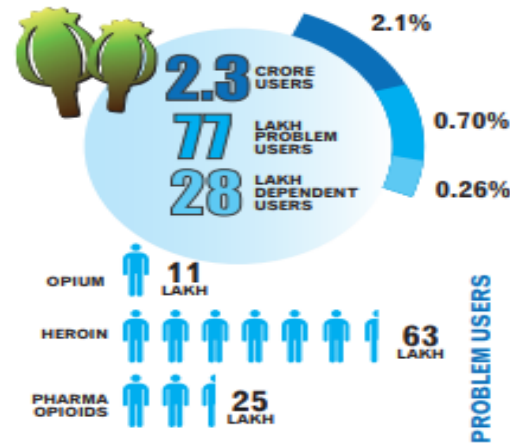
The proportion of people with problem cannabis use (i.e. those with harmful or dependent pattern of cannabis use) is rather modest. At the national level, about 0.25% (one in eleven cannabis users) suffers from cannabis dependence. However, there is a substantial difference between bhang and ganja/charas in terms of dependent use—

while just about one in sixteen users of bhang were dependent on cannabis, this figure was one in seven in case of ganja/charas users.



Cannabis Use in India



Opioid Use in India



[ICD-10-CM Codes](#) > [F01-F99 Mental, Behavioral and Neurodevelopmental disorders](#) > [F10-F19 Mental and behavioral disorders due to psychoactive substance use](#) > [F11- Opioid related disorders](#) >

[▶ 2019 ICD-10-CM Diagnosis Code F11.10](#)



Opioid abuse, uncomplicated

2016
2017
2018
2019
Billable/Specific Code


- F11.10 is a billable/specific ICD-10-CM code that can be used to indicate a diagnosis for reimbursement purposes.
- The 2019 edition of ICD-10-CM F11.10 became effective on October 1, 2018.
- This is the American ICD-10-CM version of F11.10 - other international versions of ICD-10 F11.10 may differ.



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Applicable To

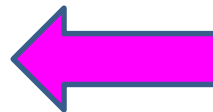
- Opioid use disorder, mild

The following code(s) above F11.10 contain annotation back-references  that may be applicable to F11.10:

- [F01-F99](#)  Mental, Behavioral and Neurodevelopmental disorders
- [F11.1](#)  Opioid abuse

Approximate Synonyms

- Intravenous nondependent opioid abuse
- Iv opioid abuse
- Nondependent opioid abuse, continuous
- Nondependent opioid abuse, episodic
- Opiates drug abuse, iv
- Opioid abuse
- Opioid abuse (mild use disorder)
- Opioid abuse, continuous
- Opioid abuse, episodic
- Opioid abuse, mild use



ICD-10-CM F11.10 is grouped within Diagnostic Related Group(s) (MS-DRG v36.0):

- [894](#) Alcohol, drug abuse or dependence, left ama
- [895](#) Alcohol, drug abuse or dependence with rehabilitation therapy
- [896](#) Alcohol, drug abuse or dependence without rehabilitation therapy with mcc



Purpose: To regulate the use of narcotics



Responsible: Doctor / Technician / Nurse



Inventory / Audit / Legal : Pharmacist



Documentation: Doctor/ Technician / Nurse

Legal requirements

Schedule X - Drugs Cosmetic Rules 1945 ,

Narcotics and Psychotropic substances act 1985

ORIGINAL

FORM 20F

படிவம் 20ஈ

License No: CBE/403/2014 [See Rule 61(3).] Addl. Fresh 675
[பார்க்க விதி 61(3).] L.A. NO: 264/CBE/2014

Licence to sell, stock or exhibit for sale or distribute by retail drugs specified in Schedule X,

இணைப்பு எக்ஸ்-இல் குறிக்கப்பட்டுள்ள மருந்துகளைக் கிடைக்கையில் அல்லது பரிமாற உரிமம் வழங்கப்படுகிறது.

1945-ஆம் ஆண்டு மருந்து மற்றும் புனைவுப் பொருள்கள் விதி இணைப்பு எக்ஸ்-இல் குறிக்கப்பட்டுள்ள மருந்துகளை உள் கட்டிடத்திலிருந்து சில்லறையில் விற்க விற்பனைக்கு, பார்வையில் வைக்க, இருப்பு வைக்க அல்லது பரிமாற இதன் மூலம் உரிமம் வழங்கப்படுகிறது.

2. Name of drugs.
மருந்துகளின் பெயர்கள். **All Drugs specified in Sch-X**

3. This Licence shall be in force from
இந்த உரிமம் திரைந்து வரை
செல்லத்தக்கது.

4. Name(s) of qualified person in-charge.
பொறுப்பிலுள்ள தகுதி பெற்றவர்கள் பெயர்கள்.

ORIGINAL

FORM 20-G

படிவம் 20-எ

Add. Fresh
உ.வி. எண் 264 /கை/ 2014.

License No: CBE/201/2014. [See Rule 61(3).]
[பார்க்க விதி 61(3)]

Licence to sell, stock or exhibit for sale or distribute by wholesale drugs specified in Schedule X.

இணைப்பு எக்ஸ்-இல் குறிக்கப்பட்டுள்ள மருந்துகளை. மொத்தமாக விற்க, இருப்பு வைக்க, விற்பனைக்கு பார்வையில் வைக்க மற்றும் பரிமாற உரிமம்.

என்பவருக்கு
I
1945-ஆம் ஆண்டு மருந்து மற்றும் புனைவுப் பொருள்கள் விதி இணைப்பு எக்ஸ்-இல் குறிக்கப்பட்டுள்ள மருந்துகளை மொத்தத்தில் உள் கட்டிடத்திலிருந்து, விற்க, இருப்பு வைக்க, விற்பனைக்கு பார்வையில் வைக்க அல்லது பரிமாற இதன் மூலம் உரிமம் வழங்கப்படுகிறது.

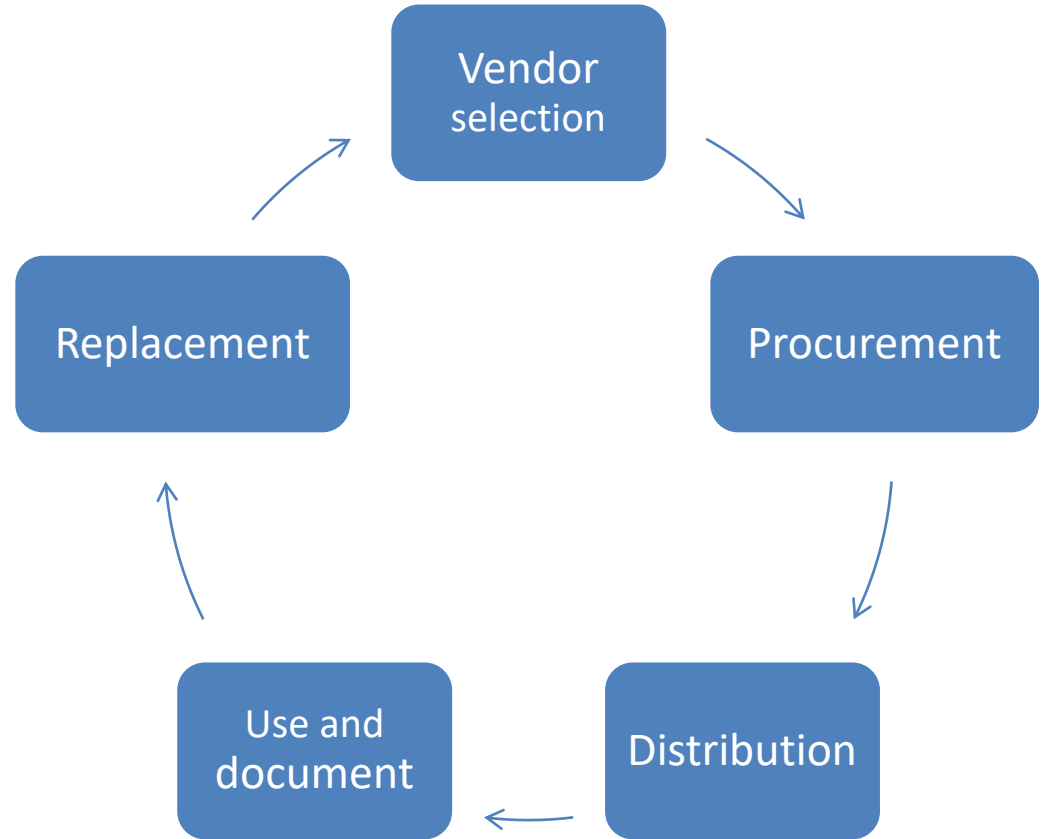
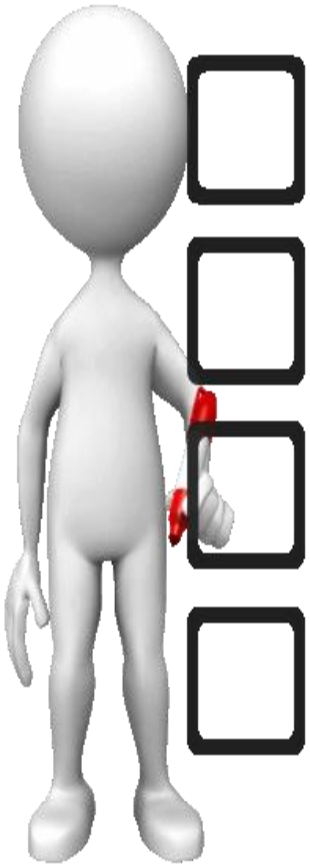
2. Name of the drugs.
மருந்துகளின் பெயர்கள் **All Drugs specified in Sch-X**

3. This licence shall be in force from
இந்த உரிமம் வரை
செல்லத்தக்கது

- The Hospital has a narcotic license which has to be renewed every year.
- A fresh application for enhancement is sent to the Drug Controller if the need arises.
- The indent for the narcotic drugs should be countersigned by the doctor.
- The drugs are procured from the authorized distributors.

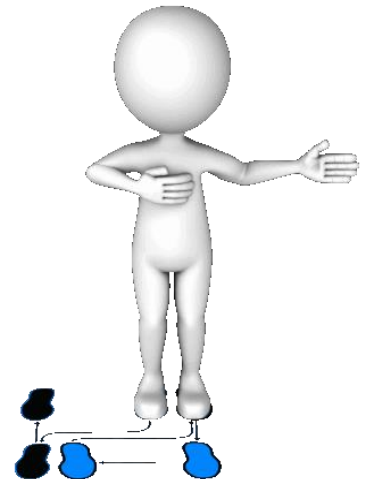
- After the drugs are supplied they are stored in a separate cupboard with double lock system in the main store (best practice).
- Supplier's name, invoice no, date, batch number, Expiry & quantity is entered in the Narcotic register.
- Approval of licenses given by excise department or the collector of the district

Processes



Distribution to inside the hospital

- Usage register copy with empty ampoules for replacement
- Maintained in a separate cupboard with **double lock system with two keys (best practice)**
- One key will be with the **doctor** and the second key will be with the **anesthesia technician**
- Verify the stock on daily basis



- The narcotic drugs have to be taken in the presence of the doctor only
- Narcotic [register maintenance](#)



- Date and Time
- Patient Name and ID no
- Age/Gender
- Dose in mg/mcg and Wastage Dose
- Doctor's Name and Sign
- Administered by Name and Sign
- Witness name and sign
- Balance quantity.

Regulation regarding who can order a narcotic

- It is the policy of the hospital that narcotic drugs can be prescribed only by the **doctors**.
- The orders need to be **written in the medical record** of the patient and has to be signed by the concerned doctor.

Regulation regarding who can administer a narcotic

- The doctor/ qualified anesthesia technician/ nursing staff are qualified to administer the narcotic in the presence of authorized anesthetist only.
- The route of administration, dosage and frequency has to be verified before administering the drug.
- Loaded syringes should be labeled with name and strength and date

Monitoring

- After administering the drug the doctor/ anesthesia technician/nursing staff should monitor the patient for any adverse reactions including any respiratory depression in which case he/she needs to alert the treating doctor.

Replacement

- Narcotic wastage has to be documented in a narcotic register and it should be discarded in running water by the anesthesia technician/staff nurse in the presence of doctor.
- Empty ampoules of narcotics should be returned to main store and the same has to be checked by the pharmacist before replacing the requested stock.

Process Deviation

In case of any deviation related with policy (i.e., procurement, distribution, usage and wastage of narcotics, documentations, empty ampoules submission, broken/missing ampoules) senior doctor of the narcotic sub store, narcotic sub store in charge, clinical pharmacist, pharmacist in charge , medical administrative officer will be the responsible persons to take necessary actions.

Take home message

- Licenses
- Storage
- Documentation
- Verbal order – restricted
- Witness – wastages
- Retention of prescriptions
- Adverse events monitoring

References

- Times of India – Drug abuse data – 2019
- Magnitude_Substance_Use_India_REPORT.pdf
- ICD – 10
- Institute for safe medication practices (www.ismp.org)
- Schedule X – Drugs and Cosmetic Rules 1945
- Narcotics and Psychotropic substances act 1985

