

The international collaborative project to evaluate the availability and accessibility of opioids for the management of cancer pain in Africa, Asia, Latin America and Middle East

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The opioid regulatory paradox

- 2 fundamental and conflicting needs
 1. to ensure that opioid analgesics are available to the patients who need them.
 2. to prevent these drugs from becoming a source of harm or abuse.

original article

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Formulary availability and regulatory barriers to accessibility of opioids for cancer pain in Europe: a report from the ESMO/EAPC Opioid Policy Initiative

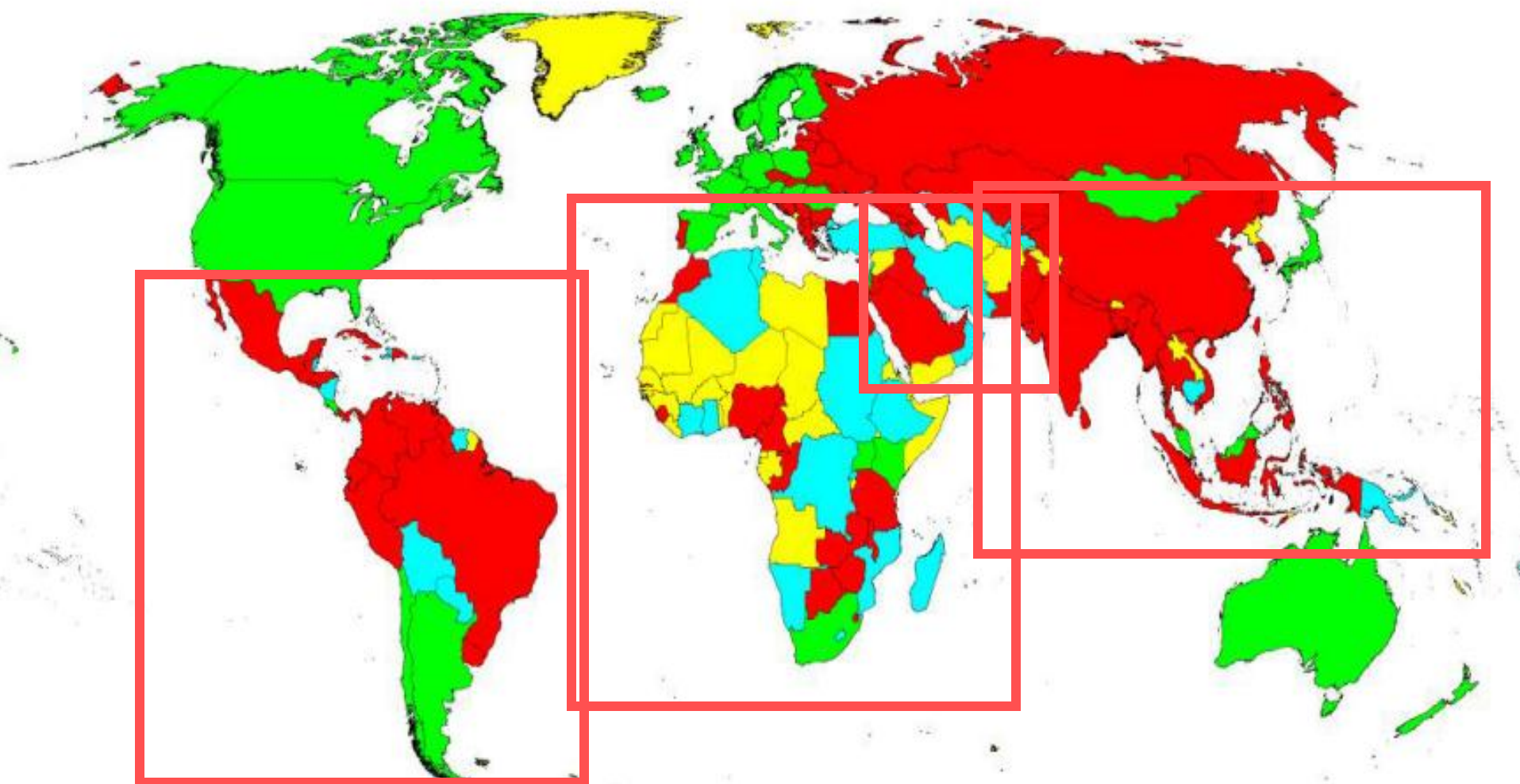
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Rest of the world

- US, Australia +NZ:
 - Well documented
- The Rest:
 - Sporadic reporting
 - Inconsistent methodologies
 - Lack of clear picture



Level of palliative care development

- 1. no activity yet identified
- 2. capacity building activity
- 3. localised provision
- 4. approaching integration

Developed by the International Observatory on End of Life Care for the Worldwide Palliative Care Alliance, commissioned by the National Hospice and Palliative Care Organization (USA) and Help the Hospices (UK). These maps can be freely used so long as this acknowledgement remains on them.

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Aims

1. To evaluate the formal availability and cost to the consumer of the range of opioid drugs used in the management of cancer.
2. To evaluate the barriers to the accessibility of opioid drugs for patients with cancer pain in each participating country.

Coordinating partner organizations:

1. European Society for Medical Oncology (ESMO)
2. European Association for Palliative Care (EAPC)
3. Pain & Policy Studies Group, University of Wisconsin Carbone Cancer Center (PPSG)
4. Union for International Cancer Control (UICC)
5. World Health Organization (WHO)

Roles

1. Survey design
2. Dissemination and data collection
3. Data analysis
4. Authorship
5. Publication
6. Post publication policy initiatives

Collaborating partners:

1. African Organisation for Research and Training in Cancer (AORTIC)
2. Latin American and Caribbean Society of Medical Oncology (SLACOM)
3. Latin American Association for Palliative Care (ALCP)
4. African Palliative Care Association (APCA)
5. Worldwide Palliative Care Alliance (WPCA)
6. Multinational Association of Supportive Care in Cancer (MASCC)
7. Asia Pacific Hospice Palliative Care Network (APHN)
8. International Association for Hospice & Palliative Care (IAHPC)
9. Middle East Cancer Consortium (MECC)
10. Indian Association of Palliative Care (IAPC)
11. Open Society Foundations (OSF)
12. Chinese Society of Clinical Oncology (CSCO)
13. Help the Hospices
14. Japanese Society of Medical Oncology (JSMO)
15. Malaysian Society of Clinical Oncology (MSCO)
16. Myanmar Oncology Society
17. Foundation Akbaraly, Madagascar

Roles

1. Identifying potential reporter
2. Authorship
3. Post publication policy initiatives

Survey development

- Based on the survey tool that was previously used in the ESMO/EAPC study
- Modifications based on input of participants
- English, Spanish, French versions

Identification of data reporters

- Known credible professionals nominated by coordinating and collaborating partners
- Minimum of 2 reporters for each country nominated

Data Collection and Management

- Electronic dissemination of surveys and automated data entry coordinated by EAPC
- Crosschecking data entry and clarification of discrepancies between reporters
- Conflicting data (Individual reporters, multiple reporters)
 - Clarifications sought
 - Priority given to highly credentialed reporters
 - Representative data presented

Results

1. Response rate
2. Formulary and cost 7 essential opioids
3. Actual Availability 7 essential opioids
4. Eligibility Restrictions (Patient permits)
5. Restrictions of prescribing authority
6. Prescription restriction: No. of days supply
7. Prescription restriction: complex prescription forms
8. Pharmacist restrictions
9. Dispensing restrictions
10. Negative laws regarding medical use of opioids

Response Rate

	No Countries or States	Countries Reported	% Countries	No Reports
Africa	52	21	40%	42
Asia	27	13	48%	27
Middle East	21	14	67%	20
Latin and carriban America	33	26	79%	38
Indian States	28	19	67%	20
	161	93	57.70%	

	Populn (Mil)	Pop Countries reported	% population
Africa	1060	486	45%
Asia	2611	2429	93%
Middle East	315	271	86%
Latin and carriban America	559	559	93%
Indian States	1189	1061	89%
	5734	4806	83.40%

Formulary and Cost

7 essential opioids

Codeine

Morphine, Oral Immediate Release (MoIR)

Morphine, Oral Controlled Release (MoCR)

Morphine, injectable (MoINJ)



Oxycodone, Oral Immediate Release (OclR)

Methadone, Oral (MoPO)

Fentanyl, transdermal patch (FentTD)



Formulary and Cost: Latin A+ Caribbean

Country	Formulary availability and Cost						
	Codeine	MoIR	MoCR	MoINJ	OciR	MethPO	FentTD
Anguilla							
Argentina							
Barbados							
Belize							
Bolivia							
Brazil							
Chile							
Colombia							
Costa Rica							
Dominica							
Dominican Republic							
Ecuador							
El Salvador							
Guatemala							
Honduras							
Jamaica							
Mexico							
Panama							
Paraguay							
Peru							
St. Lucia							
Trinidad & Tobago							
Uruguay							
Venezuela							

	free
	<25% Cost
	25-50% Cost
	50-99% Cost
	Fullcost

Formulary and Cost: Africa

Country	Formulary availability and Cost						
	Codeine	MoIR	MoCR	MoINJ	OcIR	MethPO	FentTD
Algeria	Fullcost	free	free	free	free		free
Botswana	free	free	free	free			
Cote D'Ivoire	Fullcost		Fullcost	Fullcost			
Ethiopia	Fullcost	free	Fullcost				
Ghana	Fullcost	free	free	free			
Kenya	Fullcost	Fullcost	Fullcost	Fullcost			Fullcost
Liberia	Fullcost		Fullcost	Fullcost		Fullcost	Fullcost
Madagascar	Fullcost	Fullcost	Fullcost	Fullcost			Fullcost
Malawi	free	free	free				
Mauritius	Fullcost	free	free	free		free	Fullcost
Morocco	Fullcost	Fullcost	Fullcost	free			Fullcost
Mozambique	<25% Cost	<25% Cost	<25% Cost	<25% Cost			
Namibia	free	free	free	free			
Nigeria	Fullcost	Fullcost	Fullcost	Fullcost			
Rwanda	<25% Cost		Fullcost	<25% Cost			
Sierra Leone	Fullcost			Fullcost			
South Africa	<25% Cost	<25% Cost	<25% Cost	<25% Cost			
Sudan		free	free	free			
Swaziland	free	free	free	free	free		
Tanzania		Fullcost		Fullcost			
Tunisia	Fullcost		Fullcost	Fullcost			Fullcost
Uganda		free	free	free			
Zimbabwe	Fullcost	Fullcost		Fullcost			

free	free
<25% Cost	<25% Cost
25-50% Cost	25-50% Cost
50-99% Cost	50-99% Cost
Fullcost	Fullcost

Formulary and Cost: Middle East

	Formulary availability and Cost						
Country	Codeine	MoIR	MoCR	MoINJ	OcIR	MethPO	FentTD
Afghanistan	Fullcost			Fullcost		Fullcost	
Egypt		free	free	free			free
Iran	25-50% Cost	25-50% Cost		25-50% Cost	25-50% Cost	25-50% Cost	25-50% Cost
Iraq	free			free			
Israel	free	free	free	free	free	free	free
Lebanon	Fullcost		Fullcost	Fullcost			Fullcost
Libya	free			free			free
Morocco	Fullcost	Fullcost	Fullcost	Fullcost		Fullcost	Fullcost
Oman	free	free	free	free			free
Palestine	free		free	free			Fullcost
Qatar	<25% Cost	<25% Cost	<25% Cost	free	<25% Cost	<25% Cost	<25% Cost
Saudi Arabia	free	free	free	free	free	free	free
Syria	Fullcost	Fullcost	Fullcost	Fullcost	Fullcost		Fullcost
Yemen		free	free	free			free

free	free
<25% Cost	<25% Cost
25-50% Cost	25-50% Cost
50-99% Cost	50-99% Cost
Fullcost	Fullcost

Formulary and Cost: Asia

	Formulary availability and Cost						
Country	Codeine	MoIR	MoCR	MoINJ	OcIR	MethPO	FentTD
Afghanistan	50-99% Cost	Fullcost	Fullcost	Fullcost	Fullcost	Fullcost	Fullcost
Bangladesh	Fullcost	Fullcost	Fullcost	Fullcost	Fullcost	Fullcost	Fullcost
Bhutan	<25% Cost	Fullcost	<25% Cost	<25% Cost	Fullcost	Fullcost	Fullcost
Cambodia	Fullcost	Fullcost	Fullcost	Fullcost	Fullcost	Fullcost	Fullcost
China	Fullcost	Fullcost	Fullcost	Fullcost	Fullcost	Fullcost	Fullcost
China-Hong Kong	<25% Cost	<25% Cost	<25% Cost	<25% Cost	Fullcost	<25% Cost	<25% Cost
Indonesia	Fullcost	Fullcost	Fullcost	Fullcost	Fullcost	Fullcost	Fullcost
Japan	<25% Cost	<25% Cost	<25% Cost	<25% Cost	<25% Cost	Fullcost	<25% Cost
Kazakhstan	Fullcost	Fullcost	Fullcost	<25% Cost	Fullcost	Fullcost	<25% Cost
Laos	Fullcost	Fullcost	Fullcost	Fullcost	Fullcost	Fullcost	Fullcost
Malaysia	<25% Cost	<25% Cost	<25% Cost	<25% Cost	<25% Cost	<25% Cost	<25% Cost
Myanmar	<25% Cost	Fullcost	Fullcost	<25% Cost	Fullcost	Fullcost	Fullcost
Nepal	Fullcost	Fullcost	Fullcost	Fullcost	Fullcost	Fullcost	Fullcost
Pakistan	Fullcost	<25% Cost	<25% Cost	<25% Cost	Fullcost	Fullcost	Fullcost
Philippines	Fullcost	Fullcost	Fullcost	Fullcost	Fullcost	Fullcost	Fullcost
Thailand	<25% Cost	<25% Cost	<25% Cost	<25% Cost	Fullcost	<25% Cost	<25% Cost
Vietnam	<25% Cost	<25% Cost	<25% Cost	<25% Cost	Fullcost	<25% Cost	<25% Cost

<25% Cost	<25% Cost
25-50% Cost	25-50% Cost
50-99% Cost	50-99% Cost
Fullcost	Fullcost

Formulary and Cost: Indian States

	Formulary availability and Cost						
state	Codeine	MoIR	MoCR	MoINJ	OcIR	MethPO	FentTD
All NE States							
Bihar							
Delhi Region							
Goa							
Gujarat							
Haryana							
Jammu and Kashmir							
Jharkhand							
Karnataka							
Kerala							
Madhya Pradesh							
Maharashtra							
Nagesh							
Orissa (Odisha)							
Punjab							
Rajasthan							
Tamil Nadu							
Tripura							
Uttar Pradesh							
West Bengal							

	free
	<25% Cost
	25-50% Cost
	50-99% Cost
	Fullcost

Actual Availability
7 essential opioids

Actual Availability: Latin A and Caribbean

	Actual Availability						
Country	Codeine	MoIR	MoCR	MoINJ	OciR	MethPO	FentTD
Anguilla	Usually	Occasionally	Usually	Never	Usually	Half the time	Never
Argentina	Usually	Usually	Half the time	Usually	Usually	Usually	Half the time
Barbados	Usually	Usually	Usually	Usually	Never	Half the time	Usually
Belize	Usually	Usually	Usually	Usually	Never	Never	Occasionally
Bolivia	Usually	Occasionally	Never	Occasionally	Never	Occasionally	Occasionally
Brazil	Usually	Usually	Usually	Usually	Never	Usually	Usually
Chile	Usually	Half the time	Half the time	Usually	Never	Usually	Usually
Colombia	Usually	Occasionally	Never	Usually	Never	Usually	Never
Costa Rica	Usually	Usually	Usually	Usually	Never	Usually	Usually
Dominica	Never	Never	Never	Usually	Never	Never	Never
Dominican Republic	Usually	Usually	Usually	Usually	Usually	Occasionally	Usually
Ecuador	Usually	Never	Usually	Half the time	Never	Never	Occasionally
El Salvador	Usually	Never	Usually	Usually	Occasionally	Never	Usually
Guatemala	Usually	Occasionally	Occasionally	Usually	Occasionally	Occasionally	Occasionally
Honduras	Usually	Never	Never	Half the time	Never	Never	Usually
Jamaica	Half the time	Usually	Usually	Usually	Never	Never	Usually
Mexico	Occasionally	Usually	Never	Usually	Never	Usually	Never
Panama	Usually	Usually	Occasionally	Usually	Never	Usually	Usually
Paraguay	Never	Never	Never	Usually	Never	Never	Usually
Peru	Usually	Usually	Usually	Usually	Half the time	Never	Usually
St. Lucia	Usually	Usually	Usually	Half the time	Never	Never	Never
Trinidad & Tobago	Usually	Never	Half the time	Usually	Never	Usually	Never
Uruguay	Usually	Usually	Usually	Usually	Never	Usually	Usually
Venezuela	Usually	Usually	Usually	Usually	Usually	Half the time	Usually



Actual Availability: Africa

	Actual Availability						
Country	Codeine	MoIR	MoCR	MoINJ	OciR	MethPO	FentTD
Algeria	Always	Usually	Usually	Usually	Half the time	Never	Half the time
Botswana	Occasionally	Occasionally	Usually	Always	Never	Never	Never
Cote D'Ivoire	Always	Never	Half the time	Always	Never	Never	Never
Ethiopia	Occasionally	Occasionally	Occasionally	Never	Never	Never	Never
Ghana	Always	Always	Always	Usually	Never	Never	Never
Kenya	Occasionally	Occasionally	Occasionally	Occasionally	Never	Never	Usually
Liberia	Half the time	Occasionally	Occasionally	Occasionally	Never	Occasionally	Half the time
Madagascar	Always	Always	Always	Always	Never	Never	Usually
Malawi	Occasionally	Usually	Usually	Occasionally	Never	Never	Never
Mauritius	Always	Usually	Usually	Always	Never	Usually	Always
Morocco	Always	Occasionally	Occasionally	Occasionally	Never	Never	Occasionally
Mozambique	Usually	Usually	Usually	Half the time	Never	Never	Never
Namibia	Usually	Occasionally	Occasionally	Half the time	Never	Never	Never
Nigeria	Usually	Half the time	Half the time	Usually	Never	Never	Never
Rwanda	Occasionally	Never	Occasionally	Occasionally	Never	Never	Never
Sierra Leone	Always	Never	Never	Usually	Never	Never	Never
South Africa	Half the time	Usually	Half the time	Usually	Never	Never	Never
Sudan	Never	Usually	Usually	Half the time	Never	Never	Never
Swaziland	Usually	Occasionally	Half the time	Always	Occasionally	Never	Never
Tanzania	Never	Half the time	Never	Occasionally	Never	Never	Never
Tunisia	Always	Always	Always	Always	Never	Never	Always
Uganda	Occasionally	Occasionally	Never	Occasionally	Never	Never	Never
Zimbabwe	Usually	Half the time	Never	Usually	Never	Never	Never



Actual Availability: Middle East

	Actual Availability						
Country	Codeine	MoIR	MoCR	MoINJ	OcIR	MethPO	FentTD
Afghanistan	Usually	Never	Never	Occasionally	Never	Occasionally	Never
Egypt	Never	Half the time	Always	Always	Never	Never	Usually
Iran	Always	Usually	Never	Usually	Occasionally	Usually	Occasionally
Iraq	Usually	Never	Never	Occasionally	Never	Never	Never
Israel	Always	Always	Always	Always	Always	Usually	Usually
Lebanon	Usually	Never	Usually	Half the time	Never	Never	Usually
Libya	Occasionally	Never	Never	Occasionally	Never	Never	Occasionally
Morocco	Always	Usually	Usually	Usually	Never	Usually	Usually
Oman	Always	Always	Always	Always	Never	Never	Usually
Palestine	Usually	Never	Occasionally	Occasionally	Never	Never	Occasionally
Qatar	Occasionally	Always	Always	Always	Occasionally	Always	Always
Saudi Arabia	Always	Always	Always	Always	Usually	Occasionally	Always
Syria	Usually	Occasionally	Occasionally	Usually	Usually	Never	Occasionally
Yemen	Never	Usually	Usually	Usually	Never	Never	Usually



Actual Availability: Asia

	Actual Availability						
Country	Codeine	MoIR	MoCR	MoINJ	OcIR	MethPO	FentTD
Bhutan	Usually	Never	Usually	Usually	Never	Never	Never
Afghanistan	Usually	Occasionally	Never	Never	Never	Never	Never
Bangladesh	Never	Never	Occasionally	Occasionally	Never	Never	Half the time
Cambodia	Occasionally	Occasionally	Occasionally	Occasionally	Never	Never	Never
China	Always	Usually	Usually	Usually	Usually	Usually	Usually
China-Hong Kong	Usually	Usually	Usually	Usually	Never	Usually	Usually
Indonesia	Always	Half the time	Usually	Half the time	Never	Never	Usually
Japan	Usually	Always	Always	Always	Always	Never	Always
Kazakhstan	Never	Never	Never	Always	Never	Never	Usually
Laos	Never	Never	Never	Usually	Never	Never	Never
Malaysia	Half the time	Always	Always	Always	Usually	Half the time	Usually
Myanmar	Occasionally	Never	Never	Occasionally	Never	Never	Occasionally
Nepal	Always	Always	Always	Always	Never	Never	Occasionally
Pakistan	Never	Occasionally	Usually	Usually	Never	Never	Never
Philippines	Occasionally	Half the time	Half the time	Half the time	Half the time	Half the time	Half the time
Thailand	Usually	Usually	Usually	Usually	Never	Occasionally	Half the time
Vietnam	Always	Usually	Occasionally	Usually	Never	Never	Occasionally



Actual Availability: Indian States

state	Actual Availability						
	Codeine	MoIR	MoCR	MoINJ	OciR	MethPO	FentTD
All NE States	Usually	Occasionally	Occasionally	Occasionally	Never	Occasionally	Occasionally
Bihar	Never	Occasionally	Never	Occasionally	Never	Never	Occasionally
Delhi Region	Half the time	Occasionally	Occasionally	Occasionally	Never	Never	Occasionally
Goa	Half the time	Occasionally	Never	Occasionally	Never	Never	Occasionally
Gujarat	Half the time	Occasionally	Occasionally	Occasionally	Never	Never	Occasionally
Haryana	Half the time	Occasionally	Never	Occasionally	Never	Never	Occasionally
Jammu and Kashmir	Never	Occasionally	Occasionally	Occasionally	Never	Never	Never
Jharkhand	Usually	Never	Never	Never	Never	Never	Occasionally
Karnataka	Usually	Occasionally	Occasionally	Occasionally	Never	Never	Occasionally
Kerala	Half the time	Occasionally	Occasionally	Occasionally	Occasionally	Occasionally	Occasionally
Madhya Pradesh	Half the time	Occasionally	Occasionally	Occasionally	Never	Never	Occasionally
Maharashtra	Half the time	Occasionally	Occasionally	Occasionally	Never	Never	Occasionally
Nagesh	Usually	Occasionally	Occasionally	Occasionally	Never	Occasionally	Occasionally
Orissa (Odisha)	Never	Occasionally	Never	Occasionally	Never	Never	Occasionally
Punjab	Half the time	Occasionally	Occasionally	Occasionally	Never	Never	Occasionally
Rajasthan	Half the time	Occasionally	Occasionally	Occasionally	Never	Never	Occasionally
Tamil Nadu	Half the time	Occasionally	Occasionally	Occasionally	Never	Never	Occasionally
Tripura	Half the time	Occasionally	Occasionally	Never	Never	Never	Never
Uttar Pradesh	Half the time	Occasionally	Occasionally	Never	Never	Never	Occasionally
West Bengal	Usually	Occasionally	Occasionally	Occasionally	Occasionally	Occasionally	Occasionally



Eligibility Restrictions (Patient permits)

Eligibility Restrictions: Africa + ME

Country	Eligibility Restriction		
	Outpatients	Inpatients	Hospice
Algeria	always	always	Only with special authorization
Botswana	always	always	
Cote D'Ivoire	always	always	always
Ethiopia	Only with special authorization	Only with special authorization	Only with special authorization
Ghana	Only with special authorization	Only with special authorization	Only with special authorization
Kenya	Only with special authorization	Only with special authorization	always
Liberia	Only with special authorization	Only with special authorization	
Madagascar	Only with special authorization	always	always
Malawi	always	always	
Mauritius	always	always	always
Morocco	Only with special authorization	Only with special authorization	Only with special authorization
Mozambique	always	always	
Namibia	Only with special authorization	Only with special authorization	Only with special authorization
Nigeria	always	always	always
Rwanda	Only with special authorization	Only with special authorization	Only with special authorization
Sierra Leone	Only with special authorization	Only with special authorization	
South Africa	Only with special authorization	Only with special authorization	always
Sudan	Only with special authorization	Only with special authorization	
Swaziland	Only with special authorization	Only with special authorization	Only with special authorization
Tanzania	always	always	always
Tunisia	Only with special authorization	Only with special authorization	Only with special authorization
Uganda	Only with special authorization	Only with special authorization	always
Zimbabwe	always	always	always

Country	Eligibility Restriction		
	Outpatients	Inpatients	Hospice
Afghanistan	Only with special authorization	Only with special authorization	Only with special authorization
Egypt	Only with special authorization	Only with special authorization	Only with special authorization
Iran	never	Only with special authorization	Only with special authorization
Iraq	never	Only with special authorization	
Israel	always	always	always
Lebanon	Only with special authorization	always	Only with special authorization
Libya	Only with special authorization	always	Only with special authorization
Morocco	always	always	always
Oman	Only with special authorization	Only with special authorization	
Palestine	Only with special authorization	Only with special authorization	
Qatar	Only with special authorization	Only with special authorization	
Saudi Arabia	Only with special authorization	always	Only with special authorization
Syria	Only with special authorization	Only with special authorization	Only with special authorization
Yemen	Only with special authorization	Only with special authorization	

always	always
Only with special authorization	Only with special authorization
never	never

Eligibility Restrictions : L Am + Caribbean

	Eligibility Restriction		
Country	Outpatients	Inpatients	Hospice
Anguilla	never	always	only with special authorization
Argentina	only with special authorization	only with special authorization	only with special authorization
Barbados	always	always	always
Belize	only with special authorization	only with special authorization	never
Bolivia	only with special authorization	only with special authorization	only with special authorization
Brazil	only with special authorization	only with special authorization	only with special authorization
Chile	always	always	always
Colombia	only with special authorization	only with special authorization	only with special authorization
Costa Rica	always	always	always
Dominica	only with special authorization	only with special authorization	only with special authorization
Dominican Republic	only with special authorization	always	never
Ecuador	only with special authorization	only with special authorization	only with special authorization
El Salvador	only with special authorization	only with special authorization	never
Guatemala	only with special authorization	always	always
Honduras	only with special authorization	only with special authorization	only with special authorization
Jamaica	always	always	always
Mexico	only with special authorization	only with special authorization	only with special authorization
Panama	always	always	always
Paraguay	always	always	always
Peru	only with special authorization	only with special authorization	only with special authorization
St. Lucia	always	always	always
Trinidad & Tobago	only with special authorization	only with special authorization	always
Uruguay	always	always	always
Venezuela	always	always	only with special authorization

always	always
only with special authorization	Only with special authorization
never	never

Eligibility Restrictions : Asia + Indian States

Country	Eligibility Restriction		
	Outpatients	Inpatients	Hospice
Bhutan	always	always	always
Afghanistan	never	always	always
Bangladesh	always	always	always
Cambodia	always	always	always
China	always	always	always
China-Hong Kong	always	always	always
Indonesia	always	always	always
Japan	always	always	always
Kazakhstan	always	always	always
Laos	always	always	never
Malaysia	always	always	always
Myanmar	always	always	always
Nepal	always	always	always
Pakistan	always	always	always
Philippines	always	always	always
Thailand	always	always	always
Vietnam	always	always	never

State	Eligibility Restriction		
	Outpatients	Inpatients	Hospice
All NE States	always	always	always
Bihar	always	always	always
Delhi Region	always	always	always
Goa	always	always	always
Gujarat	always	always	always
Haryana	always	always	always
Jammu and Kashmir	always	always	always
Jharkhand	always	always	always
Karnataka	always	always	always
Kerala	always	always	always
Madhya Pradesh	always	always	always
Maharashtra	always	always	always
Nagash	always	always	always
Orissa (Odisha)	always	always	always
Punjab	always	always	always
Rajasthan	always	always	always
Tamil Nadu	always	always	always
Tripura	always	always	always
Uttar Pradesh	always	always	always
West Bengal	always	always	always


always	always
Only with special authorization	Only with special authorization
never	never

Restrictions of prescribing authority

Prescription Privileges: Africa

Country	Prescriber privileges				
	Oncologist	FamilyDoc	Surgeon	Nurse	Pharmacist
Algeria	always	Only in emergency	Only in emergency	never	never
Botswana	always	always	always	never	never
Cote D'Ivoire	always	always	always	never	never
Ethiopia	always	always	always	never	never
Ghana	always	always	always	never	Only in emergency
Kenya	always	always	always	Only with special permit or authorization	Only with special permit or authorization
Liberia	Only with special permit or authorization	Only with special permit or authorization	Only with special permit or authorization	never	never
Madagascar	always	Only with special permit or authorization	Only with special permit or authorization	Only in emergency	Only in emergency
Malawi	always	always	always	Only in emergency	never
Mauritius	always	Only in emergency	Only in emergency	never	never
Morocco	Only with special permit or authorization	Only with special permit or authorization	Only with special permit or authorization	never	never
Mozambique	always	always	always	never	never
Namibia	always	always	always	never	never
Nigeria	always	always	always	never	never
Rwanda	always	Only with special permit or authorization	Only with special permit or authorization	never	never
Sierra Leone	always	Only with special permit or authorization	Only with special permit or authorization	Only with special permit or authorization	Only with special permit or authorization
South Africa	always	always	always	never	never
Sudan	always	Only with special permit or authorization	always	Only in emergency	Only in emergency
Swaziland	always	always	always	never	never
Tanzania	always	always	always	Only with special permit or authorization	Only in emergency
Tunisia	always	always	always	never	never
Uganda	always	always	always	Only with special permit or authorization	never
Zimbabwe	always	always	always	never	never

 always

 Only with special permit or authorization


 Only in emergency

 never

Prescription Privileges: Middle East

	Prescriber privileges				
Country	Oncologist	Family Doc	Surgeon	Nurse	Pharmacist
Afghanistan					
Egypt					
Iran					
Iraq					
Israel					
Lebanon					
Libya					
Morocco					
Oman					
Palestine					
Qatar					
Saudi Arabia					
Syria					
Yemen					

 always

 Only with special permit or authorization


 Only in emergency

 never

Prescription Privileges: L Am. +Caribbean

	Prescriber privileges				
Country	Oncologist	FamilyDoc	Surgeon	Nurse	Pharmacist
Anguilla	always	Only with special permit or authorization	Only in emergency	Only with special permit or authorization	Only with special permit or authorization
Argentina	Only with special permit or authorization	Only with special permit or authorization	Only with special permit or authorization	never	Only with special permit or authorization
Barbados	always	always	always	never	never
Belize	always	Only with special permit or authorization	always	never	never
Bolivia	Only with special permit or authorization	Only with special permit or authorization	Only with special permit or authorization	never	never
Brazil	Only with special permit or authorization	Only with special permit or authorization	Only with special permit or authorization	never	never
Chile	always	always	always	never	never
Colombia	always	always	always	never	never
Costa Rica	always	always	always		
Dominica	always	always	always	never	never
Dominican Republic	always	always	always	never	never
Ecuador	Only with special permit or authorization	Only with special permit or authorization	Only with special permit or authorization	never	never
El Salvador	always	always			
Guatemala	always	always	always	never	never
Honduras	Only with special permit or authorization	Only with special permit or authorization	Only with special permit or authorization	never	never
Jamaica	always	always	always	Only with special permit or authorization	never
Mexico	Only with special permit or authorization	Only with special permit or authorization	Only with special permit or authorization	never	never
Panama	always	always			
Paraguay	always	always	always	never	never
Peru	always	always	always	never	never
St. Lucia	always	always	always	Only with special permit or authorization	never
Trinidad & Tobago	always	always	always	never	never
Uruguay	always	always	always	Only in emergency	never
Venezuela	always	always	always	never	never

 always

 Only with special permit or authorization


 Only in emergency

 never

Prescription Privileges: Asia

Country	Prescriber privileges				
	Oncologist	Family Doc	Surgeon	Nurse	Pharmacist
Bhutan	always	always	always	Only with special permit or authorization	never
Afghanistan	always	Only with special permit or authorization	Only with special permit or authorization	never	never
Bangladesh	Only with special permit or authorization	Only in emergency	Only with special permit or authorization	never	never
Cambodia	always	always	always	never	never
China	always	never	Only with special permit or authorization	never	never
China-Hong Kong	always	always	always	never	never
Indonesia	always	always	always	never	never
Japan	always	always	always	never	Only in emergency
Kazakhstan	Only with special permit or authorization	Only with special permit or authorization	Only with special permit or authorization	never	never
Laos	Only with special permit or authorization	Only with special permit or authorization	Only with special permit or authorization	never	never
Malaysia	always	always	always	never	never
Myanmar	Only with special permit or authorization	Only with special permit or authorization	Only with special permit or authorization	never	never
Nepal	always	always	always	never	never
Pakistan	Only with special permit or authorization	Only with special permit or authorization	Only with special permit or authorization	Only with special permit or authorization	Only with special permit or authorization
Philippines	Only with special permit or authorization	Only with special permit or authorization	Only with special permit or authorization	Only with special permit or authorization	never
Thailand	always	always	always	never	never
Vietnam	Only with special permit or authorization	Only with special permit or authorization	Only with special permit or authorization	never	never

 always

 Only with special permit or authorization


 Only in emergency

 never

Prescription Privileges: Indian States

State	Prescriber privileges				
	Oncologist	Family Doc	Surgeon	Nurse	Pharmacist
All NE States	always	Only with special permit or authorization	always	never	never
Bihar	always	Only in emergency	always	never	never
Delhi Region	always	always	always	Only in emergency	Only in emergency
Goa	always	always	always	never	never
Gujarat	always	Only with special permit or authorization	always	never	never
Haryana	always	Only in emergency	always	never	never
Jammu and Kashmir	always	Only with special permit or authorization	always	never	never
Jharkhand	always	always	always	never	never
Karnataka	always	Only with special permit or authorization	always	never	never
Kerala	always	Only with special permit or authorization	Only with special permit or authorization	never	never
Madhya Pradesh	always	Only with special permit or authorization	always	never	never
Maharashtra	always	Only with special permit or authorization	always	never	never
Nagesh	always	always	always	never	never
Orissa (Odisha)	always	Only with special permit or authorization	always	never	never
Punjab	always	Only in emergency	always	never	never
Rajasthan	always	Only with special permit or authorization	always	never	never
Tamil Nadu	always	Only in emergency	always	never	never
Tripura	always	always	always	never	never
Uttar Pradesh	always	always	always	never	never
West Bengal	always	always	always	never	never

 always

 Only with special permit or authorization

 Only in emergency

 never

Prescription restriction:
Number of days supply
that can be prescribed

Days allowed/prescription: Africa + ME

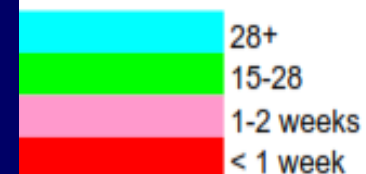
Country	Max Days Opioids Supplied
Algeria	30
Botswana	30
Cote D'Ivoire	7
Ethiopia	Physician discretion
Ghana	2
Kenya	14
Liberia	7
Madagascar	7
Malawi	14
Mauritius	10
Morocco	7
Mozambique	30
Namibia	
Nigeria	30
Rwanda	
Sierra Leone	Physician discretion
South Africa	30
Sudan	15
Swaziland	30
Tanzania	10
Tunisia	28
Uganda	30
Zimbabwe	30

Country	Max Days Opioids Supplied
Afghanistan	5
Egypt	7
Iran	depends on opiod type
Iraq	
Israel	30
Lebanon	15
Libya	7
Morocco	7
Oman	30
Palestine	7
Qatar	10
Saudi Arabia	30
Syria	30
Yemen	15

	28+
	15-28
	1-2 weeks
	< 1 week

Days allowed/prescription: L Am + Caribbean

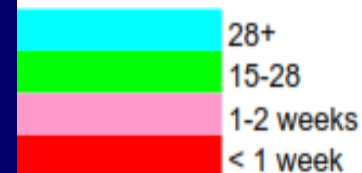
Country	Max Days Opioids Supplied
Anguilla	36
Argentina	10
Barbados	30
Belize	Physician discretion
Bolivia	limited by dose
Brazil	
Chile	30
Colombia	30
Costa Rica	10
Dominica	30
Dominican Republic	14
Ecuador	3
El Salvador	30
Guatemala	30
Honduras	30
Jamaica	14
Mexico	30
Panama	30
Paraguay	Physician discretion
Peru	15
St. Lucia	Physician discretion
Trinidad & Tobago	
Uruguay	Physician discretion
Venezuela	30



Days allowed/prescription: Asia + Indian States

Country	Max Days Opioids Supplied
Bhutan	30
Afghanistan	
Bangladesh	14
Cambodia	7
China	7
China-Hong Kong	Physician discretion
Indonesia	
Japan	28
Kazakhstan	10
Laos	7
Malaysia	60
Myanmar	7
Nepal	
Pakistan	14
Philippines	30
Thailand	30
Vietnam	10

state	Max Days Opioids Supplied
All NE States	3
Bihar	30
Delhi Region	30
Goa	Physician discretion
Gujarat	30
Haryana	30
Jammu and Kashmir	15
Jharkhand	60
Karnataka	30
Kerala	30
Madhya Pradesh	30
Maharashtra	Physician discretion
Nagaland	30
Orissa (Odisha)	30
Punjab	30
Rajasthan	30
Tamil Nadu	30
Tripura	6
Uttar Pradesh	30
West Bengal	21



Prescription restriction:
Increased bureaucratic
burden with multiple copies or
special forms

Prescription forms: Africa + ME

Prescription forms				
Country	Duplicate or Triplicate	Special Prescr Forms	ready access to forms	Pay for forms
Algeria	restrictive	restrictive	restrictive	not restrictive
Botswana	not restrictive	not restrictive	not restrictive	not restrictive
Cote D'Ivoire	restrictive	restrictive	restrictive	not restrictive
Ethiopia	restrictive	restrictive	restrictive	not restrictive
Ghana	not restrictive	not restrictive	not restrictive	not restrictive
Kenya	restrictive	restrictive	not restrictive	not restrictive
Liberia	not restrictive	not restrictive	not restrictive	not restrictive
Madagascar	restrictive	restrictive	restrictive	not restrictive
Malawi	restrictive	restrictive	restrictive	not restrictive
Mauritius	restrictive	restrictive	restrictive	restrictive
Morocco	not restrictive	restrictive	restrictive	restrictive
Mozambique	restrictive	not restrictive	not restrictive	not restrictive
Namibia	restrictive	restrictive	not restrictive	not restrictive
Nigeria	restrictive	not restrictive	not restrictive	not restrictive
Rwanda	restrictive	not restrictive	not restrictive	not restrictive
Sierra Leone	not restrictive	restrictive	restrictive	restrictive
South Africa	not restrictive	not restrictive	not restrictive	not restrictive
Sudan	not restrictive	restrictive	restrictive	not restrictive
Swaziland	restrictive	not restrictive	not restrictive	not restrictive
Tanzania	restrictive	restrictive	restrictive	not restrictive
Tunisia	restrictive	restrictive	not restrictive	restrictive
Uganda	restrictive	not restrictive	not restrictive	not restrictive
Zimbabwe	not restrictive	restrictive	restrictive	not restrictive

Prescription forms				
Country	Duplicate or Triplicate	Special Prescr Forms	ready access to forms	Pay for forms
Afghanistan	not restrictive	restrictive	restrictive	not restrictive
Egypt	restrictive	restrictive	restrictive	not restrictive
Iran	restrictive	restrictive	restrictive	not restrictive
Iraq	not restrictive	restrictive	restrictive	not restrictive
Israel	not restrictive	not restrictive	not restrictive	not restrictive
Lebanon	restrictive	restrictive	restrictive	not restrictive
Libya	restrictive	restrictive	restrictive	not restrictive
Morocco	restrictive	restrictive	restrictive	restrictive
Oman	restrictive	restrictive	not restrictive	not restrictive
Palestine	restrictive	restrictive	restrictive	not restrictive
Qatar	restrictive	restrictive	restrictive	not restrictive
Saudi Arabia	restrictive	restrictive	not restrictive	not restrictive
Syria	restrictive	restrictive	restrictive	restrictive
Yemen	restrictive	restrictive	restrictive	not restrictive

restrictive
 not restrictive

Prescription forms: L Am + Caribbean

Country	Prescription forms			
	Duplicate or Triplicate	Special Prescr Forms	Ready access to forms	Pay for forms
Anguilla	restrictive	restrictive	not restrictive	not restrictive
Argentina	restrictive	restrictive	not restrictive	restrictive
Barbados	restrictive	not restrictive	not restrictive	not restrictive
Belize	restrictive	restrictive	restrictive	restrictive
Bolivia	restrictive	restrictive	restrictive	restrictive
Brazil	not restrictive	restrictive	not restrictive	not restrictive
Chile	restrictive	restrictive	not restrictive	restrictive
Colombia	restrictive	not restrictive	not restrictive	not restrictive
Costa Rica	restrictive	restrictive	not restrictive	not restrictive
Dominica	not restrictive	not restrictive	not restrictive	not restrictive
Dominican Republic	restrictive	restrictive	not restrictive	restrictive
Ecuador	restrictive	restrictive	restrictive	restrictive
El Salvador	restrictive	restrictive	not restrictive	restrictive
Guatemala	restrictive	restrictive	not restrictive	restrictive
Honduras	not restrictive	restrictive	restrictive	restrictive
Jamaica	not restrictive	not restrictive	not restrictive	not restrictive
Mexico	restrictive	restrictive	not restrictive	restrictive
Panama	not restrictive	restrictive	not restrictive	restrictive
Paraguay	not restrictive	restrictive	restrictive	restrictive
Peru	restrictive	restrictive	not restrictive	restrictive
St. Lucia	not restrictive	not restrictive	not restrictive	not restrictive
Trinidad & Tobago	not restrictive	not restrictive	not restrictive	not restrictive
Uruguay	restrictive	restrictive	not restrictive	restrictive
Venezuela	restrictive	restrictive	not restrictive	restrictive

restrictive
 not restrictive

Prescription forms: Asia + Indian States

	Prescription forms			
Country	Duplicate or Triplicate	Special Prescr Forms	ready access to forms	Pay for forms
Bhutan				
Afghanistan				
Bangladesh				
Cambodia				
China				
China-Hong Kong				
Indonesia				
Japan				
Kazakhstan				
Laos				
Malaysia				
Myanmar				
Nepal				
Pakistan				
Philippines				
Thailand				
Vietnam				

	Prescription forms			
state	Duplicate or Triplicate	Special Prescr Forms	ready access to forms	Pay for forms
All NE States				
Bihar				
Delhi Region				
Goa				
Gujarat				
Haryana				
Jammu and Kashmir				
Jharkhand				
Karnataka				
Kerala				
Madhya Pradesh				
Maharashtra				
Nagesh				
Orissa (Odisha)				
Punjab				
Rajasthan				
Tamil Nadu				
Tripura				
Uttar Pradesh				
West Bengal				

	restrictive
	not restrictive

Pharmacist restrictions

Pharmacist Restrictions: Africa +ME

Country	Pharmacist restrictions	
	Pharmacists accept emergency telephone/fax prescriptions	Pharmacists may correct tech errors
Algeria	No	Yes
Botswana	Yes	Yes
Cote D'Ivoire	No	No
Ethiopia	No	Yes
Ghana	No	No
Kenya	No	No
Liberia	No	Yes
Madagascar	No	No
Malawi	No	Yes
Mauritius	No	No
Morocco	No	Yes
Mozambique	No	No
Namibia	Yes	Yes
Nigeria	No	Yes
Rwanda	No	No
Sierra Leone	No	No
South Africa	Yes	No
Sudan	No	Yes
Swaziland	No	Yes
Tanzania	No	No
Tunisia	No	No
Uganda	No	Yes
Zimbabwe	No	Yes

Country	Pharmacist restrictions	
	Pharmacists accept emergency telephone/fax prescriptions	Pharmacists may correct tech errors
Afghanistan	Yes	Yes
Egypt	No	No
Iran	No	Yes
Iraq	No	No
Israel	No	No
Lebanon	No	No
Libya	No	Yes
Morocco	No	No
Oman	No	Yes
Palestine	No	No
Qatar	No	No
Saudi Arabia	No	Yes
Syria	No	No
Yemen	No	No

 Yes

 No

Pharmacist Restrictions: L Am + Caribbean

Country	Pharmacist restrictions	
	Pharmacists accept emergency telephone/fax prescriptions	Pharmacists may correct tech errors
Anguilla	No	Yes
Argentina	No	No
Barbados	No	No
Belize	No	No
Bolivia	No	No
Brazil	No	No
Chile	No	No
Colombia	No	No
Costa Rica	Yes	No
Dominica	No	Yes
Dominican Republic	No	No
Ecuador	No	No
El Salvador	Yes	No
Guatemala	No	No
Honduras	No	No
Jamaica	Yes	Yes
Mexico	No	No
Panama	No	No
Paraguay	No	No
Peru	No	No
St. Lucia	Yes	Yes
Trinidad & Tobago	Yes	Yes
Uruguay	No	No
Venezuela	No	No

 Yes

 No

Pharmacist Restrictions: Asia + Indian states

	Pharmacist restrictions	
	Pharmacists accept emergency telephone/fax prescriptions	Pharmacists may correct tech errors
Country		
Afghanistan	No	No
Bangladesh	No	No
Bhutan	Yes	Yes
Cambodia	No	No
China	No	No
China-Hong Kong	No	No
Indonesia	Yes	No
Japan	No	Yes
Kazakhstan	No	No
Laos	Yes	Yes
Malaysia	Yes	No
Myanmar	No	No
Nepal	No	No
Pakistan	Yes	Yes
Philippines	No	No
Thailand	No	No
Vietnam	No	Yes

	Pharmacist restrictions	
	Pharmacists accept emergency telephone/fax prescriptions	Pharmacists may correct tech errors
State		
All NE States	No	No
Bihar	No	No
Delhi Region	No	Yes
Goa	No	No
Gujarat	Yes	No
Haryana	No	Yes
Jammu and Kashmir	No	No
Jharkhand	No	No
Karnataka	No	No
Kerala	No	No
Madhya Pradesh	No	No
Maharashtra	No	No
Nagesh	No	No
Orissa (Odisha)	No	No
Punjab	No	Yes
Rajasthan	No	No
Tamil Nadu	No	No
Tripura	No	Yes
Uttar Pradesh	No	No
West Bengal	No	No

 Yes

 No

Dispensing restrictions

Dispensing: Africa

Dispensing Pharmacy			
Country	Dispensing pharmacy restrictions		Access to dispensing pharmacy
Algeria			
Botswana			
Cote D'Ivoire			
Ethiopia			
Ghana			
Kenya			
Liberia			
Madagascar			
Malawi			
Mauritius			
Morocco			
Mozambique			
Namibia			
Nigeria			
Rwanda			
Sierra Leone			
South Africa			
Sudan			
Swaziland			
Tanzania			
Tunisia			
Uganda			
Zimbabwe			

	Always
	Usually
	Half the time
	occasionally
	almost never

	Any Pharmacy
	Only at a hospital pharmacy
	Only at a single designated pharmacy for each patient
	At another designated location
	Pharmacy that accepts pts insurance

Dispensing: Middle East

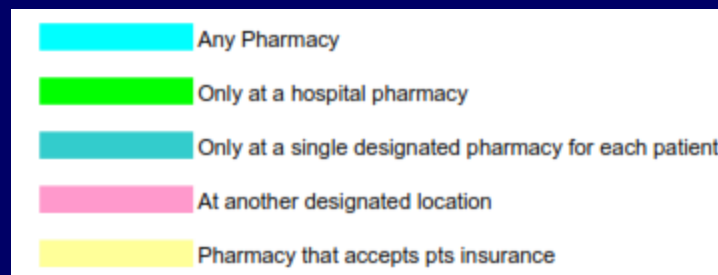
Country	Dispensing pharmacy restrictions		Access to dispensng pharmacy
Afghanistan	Always		Usually
Egypt	Usually		Usually
Iran	Usually		occasionally
Iraq	Usually		almost never
Israel	Pharmacy that accepts pts insurance		Usually
Lebanon	Half the time		Usually
Libya	At another designated location		Usually
Morocco	Always		Always
Oman	Usually		Half the time
Palestine	Usually		occasionally
Qatar	Usually		occasionally
Saudi Arabia	Usually		occasionally
Syria	Half the time		Usually
Yemen	Usually		Usually

Always	Usually
Half the time	occasionally
almost never	

Any Pharmacy
Only at a hospital pharmacy
Only at a single designated pharmacy for each patient
At another designated location
Pharmacy that accepts pts insurance

Dispensing: L Am + Caribbean

Country	Dispensing Pharmacy	
	Dispensing pharmacy restrictions	Access to dispensng pharmacy
Anguilla	Usually	Half the time
Argentina	Pharmacy that accepts pts insurance	Half the time
Barbados	Any Pharmacy	Usually
Belize	Any Pharmacy	Usually
Bolivia	At another designated location	occasionally
Brazil	Any Pharmacy	Always
Chile	Any Pharmacy	almost never
Colombia	Only at a single designated pharmacy for each patient	occasionally
Costa Rica	Any Pharmacy	Usually
Dominica	At another designated location	Always
Dominican Republic	Usually	Half the time
Ecuador	Usually	occasionally
El Salvador	At another designated location	occasionally
Guatemala	At another designated location	occasionally
Honduras	Any Pharmacy	occasionally
Jamaica	Usually	Half the time
Mexico	At another designated location	Half the time
Panama	Only at a single designated pharmacy for each patient	occasionally
Paraguay	Any Pharmacy	occasionally
Peru	At another designated location	occasionally
St. Lucia	Usually	Half the time
Trinidad & Tobago	Any Pharmacy	Half the time
Uruguay	Any Pharmacy	Usually
Venezuela	Usually	occasionally



Dispensing: Asia

Country	Dispensing Pharmacy	
	Dispensing pharmacy restrictions	Access to dispensng pharmacy
Bhutan	Usually	Usually
Afghanistan	At another designated location	occasionally
Bangladesh	Half the time	occasionally
Cambodia	Usually	occasionally
China	Usually	occasionally
China-Hong Kong	Usually	Usually
Indonesia	At another designated location	almost never
Japan	Any Pharmacy	Usually
Kazakhstan	Half the time	almost never
Laos	Usually	Usually
Malaysia	Usually	Usually
Myanmar	Usually	occasionally
Nepal	Any Pharmacy	Half the time
Pakistan	Usually	Usually
Philippines	Usually	Half the time
Thailand	Usually	Half the time
Vietnam	Only at a single designated pharmacy for each patient	Half the time

Always
Usually
Half the time
occasionally
almost never

Any Pharmacy
Only at a hospital pharmacy
Only at a single designated pharmacy for each patient
At another designated location
Pharmacy that accepts pts insurance

Dispensing: Indian States

state	Dispensing Pharmacy	
	Dispensing pharmacy restrictions	Access to dispensng pharmacy
All NE States	Usually	Usually
Bihar	Usually	occasionally
Delhi Region	Usually	occasionally
Goa	Always	occasionally
Gujarat	Usually	Half the time
Haryana	Usually	Usually
Jammu and Kashmir	Usually	Usually
Jharkhand	Usually	
Karnataka	Usually	
Kerala	Always	Half the time
Madhya Pradesh	Usually	occasionally
Maharashtra	Usually	occasionally
Nagesh	At another designated location	occasionally
Orissa (Odisha)	Usually	occasionally
Punjab	Usually	Usually
Rajasthan	Usually	occasionally
Tamil Nadu	Usually	occasionally
Tripura	Usually	Usually
Uttar Pradesh	Usually	occasionally
West Bengal	Always	Usually

Always
Usually
Half the time
occasionally
almost never

Any Pharmacy
Only at a hospital pharmacy
Only at a single designated pharmacy for each patient
At another designated location
Pharmacy that accepts pts insurance

Negative laws regarding
medical use of opioids

Laws: Africa + ME

	Laws	
Country	Negative language in drug laws	Driving forbidden
Algeria	No	Yes
Botswana	Yes	No
Cote D'Ivoire	Yes	No
Ethiopia	Yes	No
Ghana	Yes	No
Kenya	Yes	No
Liberia	No	Yes
Madagascar	No	Yes
Malawi	Yes	No
Mauritius	Yes	Yes
Morocco	No	Yes
Mozambique	No	No
Namibia	No	Yes
Nigeria	Yes	Yes
Rwanda	Yes	No
Sierra Leone	Yes	No
South Africa	No	No
Sudan	Yes	Yes
Swaziland	No	No
Tanzania	Yes	No
Tunisia	No	No
Uganda	Yes	Yes
Zimbabwe	Yes	No

	Laws	
Country	Negative language in drug laws	Driving forbidden
Afghanistan	Yes	Yes
Egypt	No	Yes
Iran	No	Yes
Iraq	Yes	Yes
Israel	Yes	No
Lebanon	Yes	No
Libya	No	No
Morocco	Yes	No
Oman	No	No
Palestine	Yes	Yes
Qatar	No	No
Saudi Arabia	No	No
Syria	Yes	Yes
Yemen	No	Yes

No
Yes

Laws: Lat. Am +Caribbean

	Laws	
Country	Negative language in drug laws	Driving forbidden
Anguilla	No	Yes
Argentina	Yes	No
Barbados	Yes	No
Belize	Yes	No
Bolivia	Yes	No
Brazil	Yes	Yes
Chile	No	No
Colombia	No	No
Costa Rica	No	No
Dominica	No	No
Dominican Republic	No	No
Ecuador	Yes	Yes
El Salvador	No	Yes
Guatemala	No	No
Honduras	Yes	Yes
Jamaica	Yes	No
Mexico	Yes	No
Panama	Yes	No
Paraguay	No	No
Peru	Yes	Yes
St. Lucia	No	No
Trinidad & Tobago	Yes	No
Uruguay	No	No
Venezuela	Yes	No

No
Yes

Laws: Asia + Indian States

	Laws	
	Negative language in drug laws	Driving forbidden
Country		
Bhutan	No	No
Afghanistan	Yes	Yes
Bangladesh	No	Yes
Cambodia	Yes	No
China	No	No
China-Hong Kong	No	Yes
Indonesia	No	Yes
Japan	Yes	Yes
Kazakhstan	Yes	Yes
Laos	Yes	Yes
Malaysia	Yes	Yes
Myanmar	Yes	No
Nepal	No	No
Pakistan	No	Yes
Philippines	Yes	Yes
Thailand	Yes	No
Vietnam	No	No

	Laws	
	Negative language in drug laws	Driving forbidden
state		
All NE States	No	No
Bihar	No	No
Delhi Region	No	No
Goa	No	No
Gujarat	No	No
Haryana	No	No
Jammu and Kashmir	No	No
Jharkhand	No	No
Karnataka	No	No
Kerala	No	Yes
Madhya Pradesh	No	No
Maharashtra	No	No
Nagaland	No	No
Orissa (Odisha)	No	No
Punjab	No	No
Rajasthan	No	No
Tamil Nadu	No	No
Tripura	No	No
Uttar Pradesh	No	No
West Bengal	No	No

No
Yes

Summary

Summary Slides: Formulary

Country	WHO essential drug compliance (X/4)	IAHPC essential drug compliance (X/7)
China	4	7
Malaysia	4	7
Philippines	4	7
China-Hong Kong	4	6
Thailand	4	6
Vietnam	4	6
Indonesia	4	5
Japan	4	5
Nepal	4	5
Cambodia	4	4
Bhutan	3	3
Pakistan	3	3
Bangladesh	2	3
Myanmar	2	3
Afghanistan	2	2
Kazakhstan	1	2
Laos	1	1

State	WHO essential drug compliance (X/4)	IAHPC essential drug compliance (X/7)
Kerala	4	7
West Bengal	4	7
All NE States	4	6
Nagesh	4	6
Delhi Region	4	5
Gujarat	4	5
Karnataka	4	5
Madhya Pradesh	4	5
Maharashtra	4	5
Rajasthan	4	5
Tamil Nadu	4	5
Uttar Pradesh	4	5
Haryana	3	4
Jharkhand	3	4
Punjab	3	4
Tripura	3	4
Jammu and Kashmir	3	3
Bihar	2	3
Goa	2	3
Orissa (Odisha)	2	3

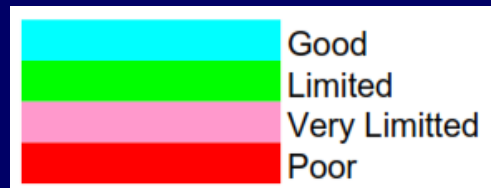
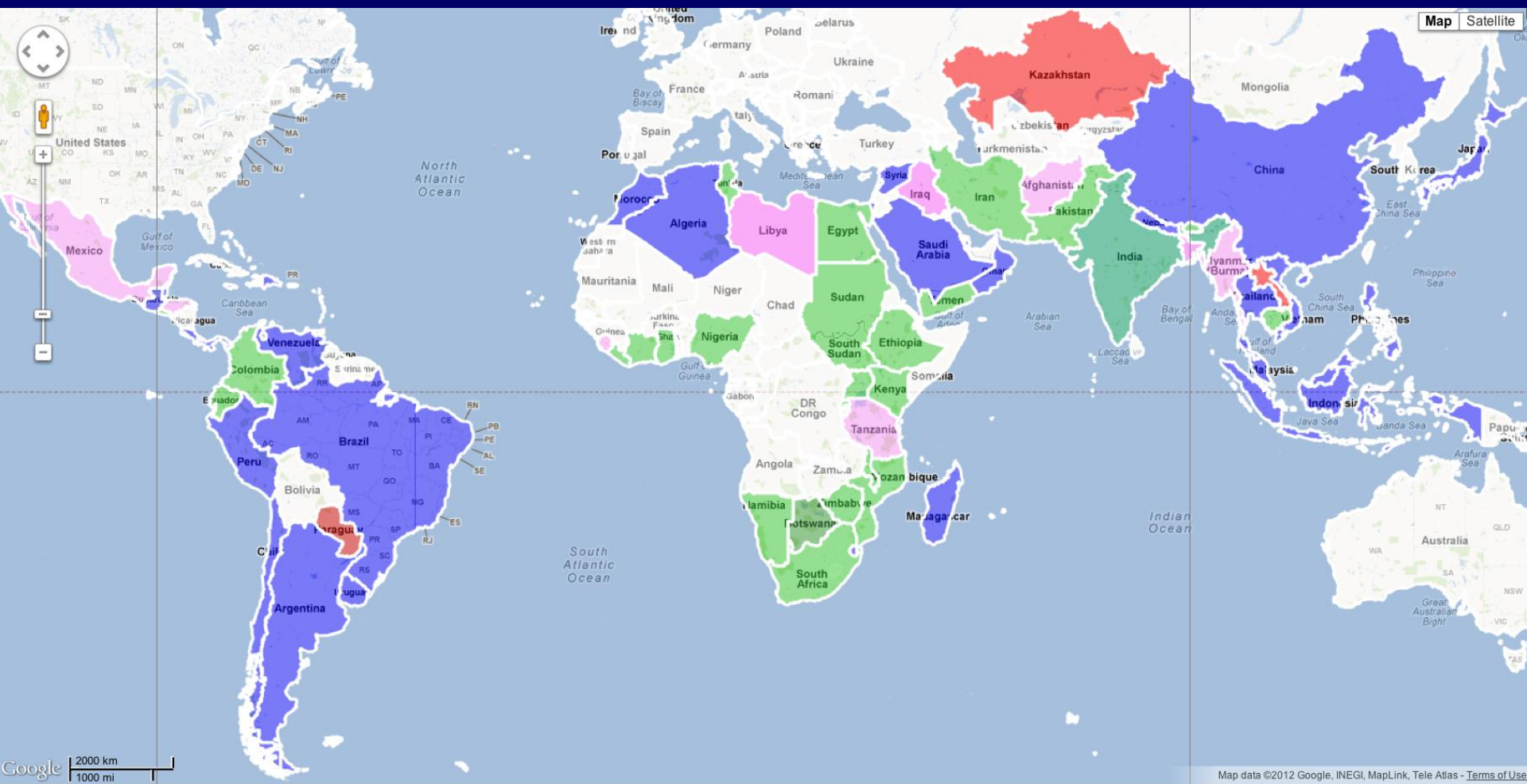
Country	WHO essential drug compliance (X/4)	IAHPC essential drug compliance (X/7)
Argentina	4	7
Dominican Republic	4	7
Guatemala	4	7
Venezuela	4	7
Barbados	4	6
Brazil	4	6
Chile	4	6
Costa Rica	4	6
Panama	4	6
Peru	4	6
Belize	4	5
Jamaica	4	5
St. Lucia	4	5
Uruguay	4	5
Anguilla	3	5
Bolivia	3	4
Colombia	3	4
El Salvador	3	4
Trinidad & Tobago	3	4
Ecuador	3	3
Mexico	2	4
Honduras	2	3
Paraguay	1	2
Dominica	1	1

	Good
	Limited
	Very Limited
	Poor

Country	WHO essential drug compliance (X/4)	IAHPC essential drug compliance (X/7)
Algeria	4	6
Mauritius	4	6
Kenya	4	5
Madagascar	4	5
Morocco	4	5
Swaziland	4	5
Botswana	4	4
Ghana	4	4
Mozambique	4	4
Namibia	4	4
Nigeria	4	4
South Africa	4	4
Liberia	3	5
Tunisia	3	4
Cote D'Ivoire	3	3
Ethiopia	3	3
Malawi	3	3
Rwanda	3	3
Sudan	3	3
Uganda	3	3
Zimbabwe	3	3
Tanzania	2	2
Sierra Leone	2	2

Country	WHO essential drug compliance (X/4)	IAHPC essential drug compliance (X/7)
Israel	4	7
Qatar	4	7
Saudi Arabia	4	7
Morocco	4	6
Syria	4	6
Oman	4	5
Iran	3	6
Egypt	3	4
Lebanon	3	4
Palestine	3	4
Yemen	3	4
Afghanistan	2	3
Libya	2	3
Iraq	2	2

Summary Slides: Formulary



Restrictive regulations summary: Africa

Country	Eligibility Restriction	Physician Prescriber Restrictions	No emergency prescriptions by Fx/Phone or non medical prescribing	Limited prescription duration	No pharmacist authority to correct prescription	Increase bureaucratic burden of prescriptions	Restricted dispensing sites	Negative language in laws	Number of restrictive domains (N/8)
Botswana							Yes	Yes	2
Namibia						Yes	Yes		2
South Africa	Yes				Yes				2
Ethiopia	Yes					Yes		Yes	3
Zimbabwe			Yes			Yes		Yes	3
Swaziland	Yes		Yes			Yes			3
Malawi				Yes		Yes	Yes	Yes	4
Mozambique			Yes		Yes	Yes	Yes		4
Nigeria			Yes			Yes	Yes	Yes	4
Uganda	Yes					Yes	Yes	Yes	4
Tunisia	Yes		Yes		Yes	Yes			4
Algeria	Yes	Yes	Yes			Yes	Yes		5
Cote D'Ivoire			Yes	Yes	Yes	Yes	Yes	Yes	5
Ghana	Yes			Yes	Yes		Yes	Yes	5
Kenya	Yes			Yes	Yes	Yes		Yes	5
Liberia	Yes	Yes	Yes	Yes		Yes	Yes		5
Sudan	Yes	Yes				Yes	Yes	Yes	5
Tanzania				Yes	Yes	Yes	Yes	Yes	5
Madagascar	Yes	Yes		Yes	Yes	Yes	Yes		6
Morocco	Yes	Yes	Yes	Yes		Yes	Yes		6
Rwanda	Yes	Yes	Yes		Yes	Yes		Yes	6
Sierra Leone	Yes	Yes			Yes	Yes	Yes	Yes	6
Mauritius		Yes	Yes	Yes	Yes	Yes	Yes	Yes	7

Restrictive regulations summary: M.E.

[illegible]

Restrictive regulations summary: Lat Am +Caribbean

[illegible]

Restrictive regulations summary: Asia

[illegible]

Restrictive regulations summary: Indian States

[illegible]

The map illustrates the global distribution of the three major world religions. Christianity, represented in red, is the most widespread, covering significant portions of North America, South America, Europe, and parts of Africa and Asia. Islam, shown in pink, is concentrated in the Middle East, North Africa, and parts of Central and Southeast Asia. Buddhism, depicted in blue, is primarily found in East Asia (China, Korea, Japan) and Southeast Asia (Thailand, Vietnam, Laos, Cambodia, Myanmar). The map also shows the locations of major world cities and the names of various countries and regions.

Disclaimers

- Field reports
 - +/- verification of actual regulations
- Data not YET subject to open peer review
- Conflicting data
 - Individual reporters
 - Multiple reporters

Conclusions

1. In many places across Africa, Asia , ME and L Am+ Caribbean governments are failing cancer patients in delivery of adequate pain relief.
2. There is a need for increased availability of affordable opioids for the management of cancer pain.
3. In many places opioids on formulary are not routinely available.
4. Field reports suggest that overregulation of opioids is widespread.
 - 4 + barriers of varying severity 79/93 (84%)
 - 6 + barriers of varying severity 36/93 (39%)

Priority actions

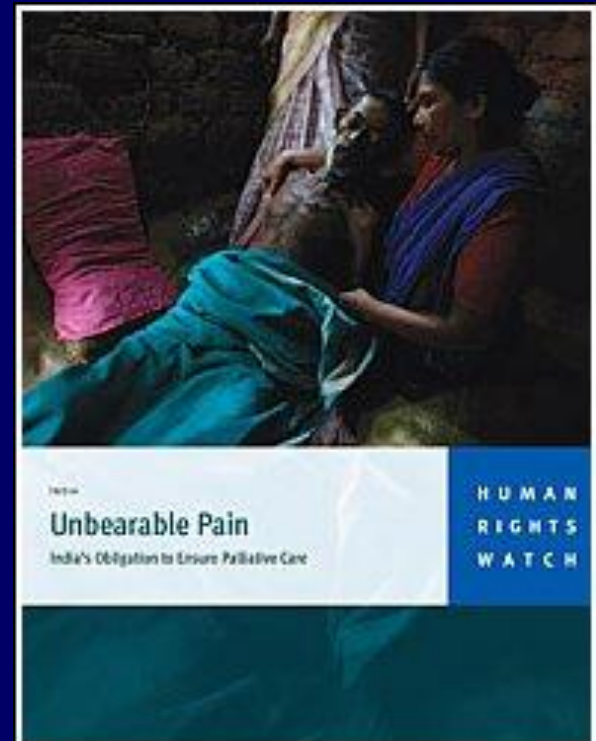
1. Formulary review
2. Improving affordability
3. Improving availability of opioids on formulary by better distribution and dispensing
4. Examination of drug control policies
5. Repeal of excessive restrictions which impede this most fundamental aspect of cancer care.

Advocacy In action: India

- Human Rights Watch Report
- Documentary: Why Millions of Indians Live in Unbearable Pain?
- Supreme court Ruling



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2. European Association Palliative Care (EAPC)
3. Pain and Policies Studies Group, University of Wisconsin Carbone Cancer Center (PPSG)
4. Union for International Cancer Control (UICC)
5. World Health Organization (WHO)

● Collaborating Partners

1. African Organization for Research and Training in Cancer (AORTIC)
2. Latin American and Caribbean Society of Medical Oncology (SLACOM)
3. Latin American Association for Palliative Care (ALCP)
4. African Palliative Care Association (APCA)
5. World Palliative Care Alliance (WPCA)
6. Multinational Association for Supportive Care in Cancer (MASCC)
7. International Association of Hospice and Palliative Care (IAHPC)
8. Asia Pacific Hospice Palliative Care Network
9. Middle East Cancer Consortium (MECC)
10. Indian Association of Palliative Care (IAPC)
11. Open Society Foundation (OSF)
12. Chinese Society of Clinical Oncology (CSCO)
13. Help the Hospices
14. Japanese Society of Medical Oncology (JSMO)
15. Malaysian Society of Clinical Oncology (MSCO)
16. Myanmar Oncology Society
17. Foundation Akbaraly, Madagascar