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**For better health worldwide**

# Management of Uterotonic medicines for use in the prevention of post-partum hemorrhage

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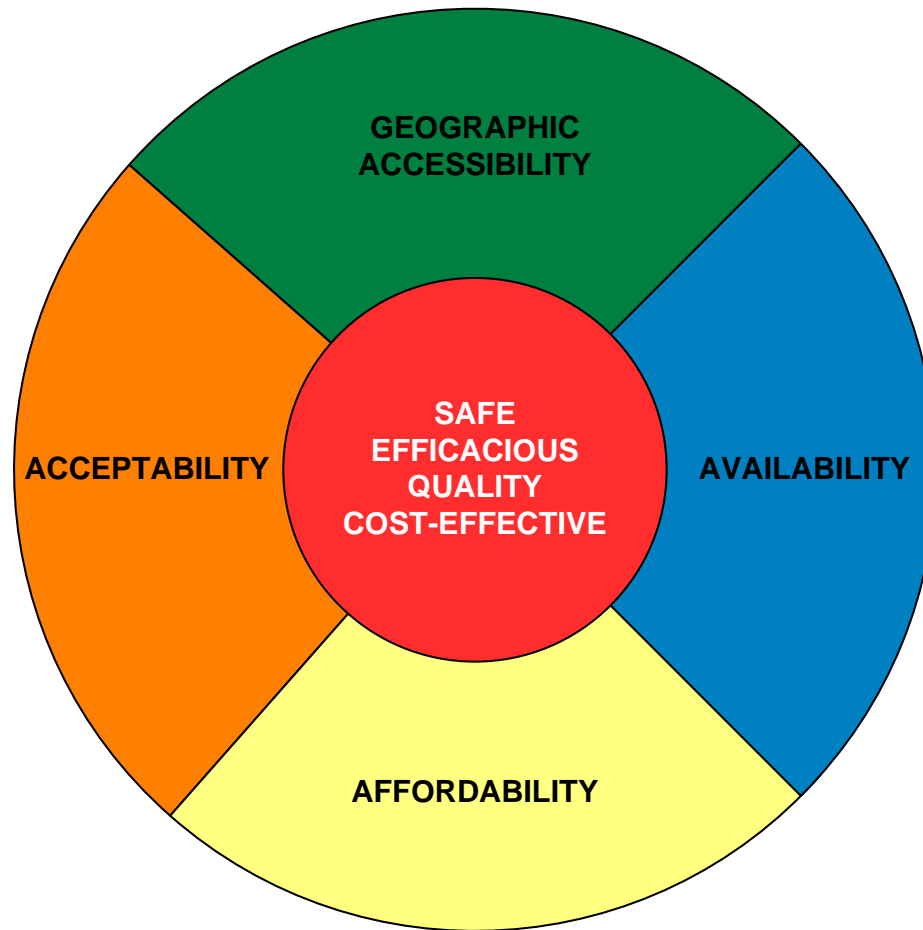


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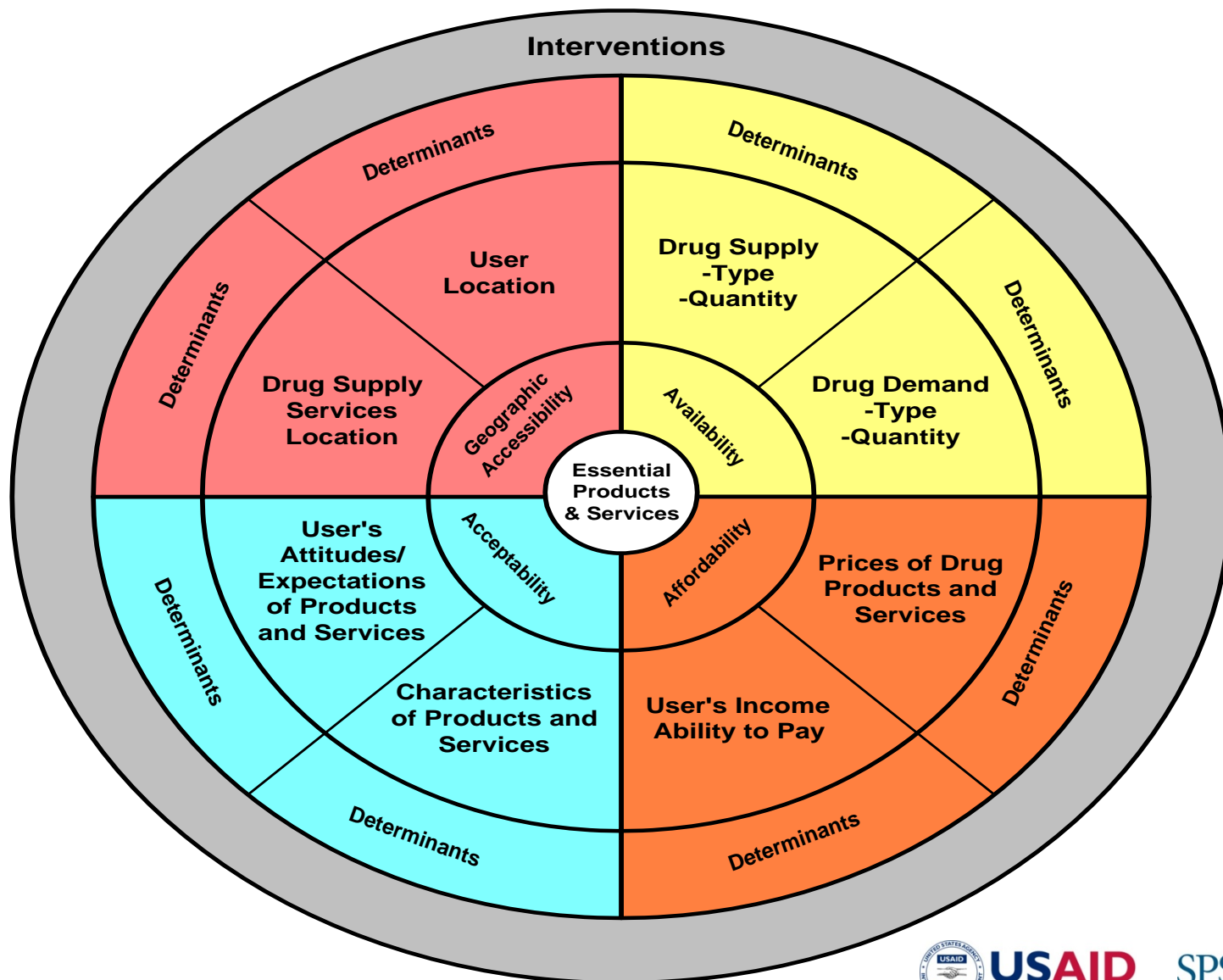


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# Dimensions of Access to Medicines



# Framework for improving access



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## *Availability: Management of Drug Supply*



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# Availability: Background of knowledge of key personnel

	<b>BENIN</b>	<b>DRC</b>	<b>Mali</b>
Background of personnel managing medicines at facility level	1% Pharmacists 99% " <i>Commis</i> "	7 % pharmacy technicians 80% Nurses	21% pharmacists/pharmacy technicians 22% no training
Percentage of respondents trained in the management of uterotonic medicines	0%	27%	5%
Percentage of pharmacy managers who know Oxytocin is the recommended medicine for the practice of AMSTL	34%	90%	35%
Percentage of delivery room personnel who know Oxytocin is the recommended medicine for the practice of AMSTL	81%	90%	93%

<sup>1</sup> (of which 52% to 6th grade; 41% to 10th grade, and 6% to 12th grade)

<sup>2</sup> 45% trained in the management of essential medicines



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# Availability: Storage and Inventory Management

	<b>BENIN</b>	<b>DRC</b>	<b>Mali</b>
Percentage of respondents who know the optimal oxytocin storage requirements (temperature between 2 <sup>0</sup> C and 8 <sup>0</sup> C)	62%	67%	29%
Percentage of respondents who know the optimal Ergometrine storage requirements	14%	10%	5%
Percentage of facilities with their own cold chain storage for uterotonics	n/a	28%	43%
Percentage of health facilities monitoring and recording temperature of cold chain regularly	0%	0%	3%
Percentage of respondents who know the FEFO rule	100%	3%	3%
Percentage of facilities visited that had job aids or technical directives on the management of uterotonic medicines	0%	0%	32%
Percentage of facilities where Oxytocin was in stock at the time of the visit	91%	78%	80%

# Actions to improve availability

- Training
  - Integration of pharmaceutical management modules into general AMSTL health facility training -
  - Targeted pharmaceutical management training for pharmacy managers
- Job aids
  - Storage and inventory management posters
- Drug and Therapeutics Committees
  - Communication between doctors, midwives and pharmacists
  - Improved selection, quantification and ordering of uterotonics
    - Clarification of roles and responsibilities of pharmacy, delivery room and recovery ward personnel



## ***Affordability: Prices of uterotonic Medicines***



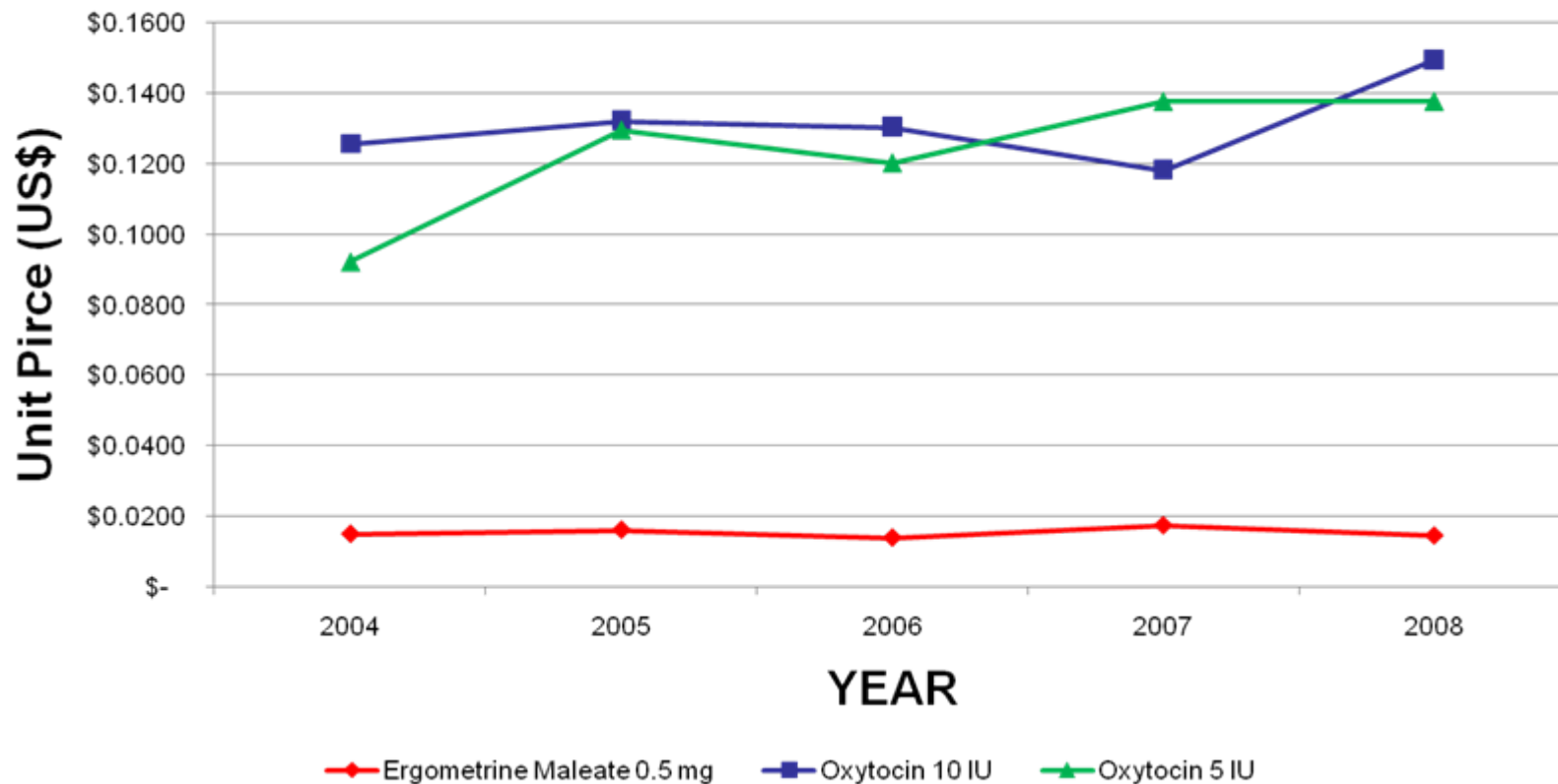
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# Pricing: Trends in Median Price from review of IDPIG prices

## Trends in Median Price Reported from Suppliers (International Drug Price Indicator Guide)



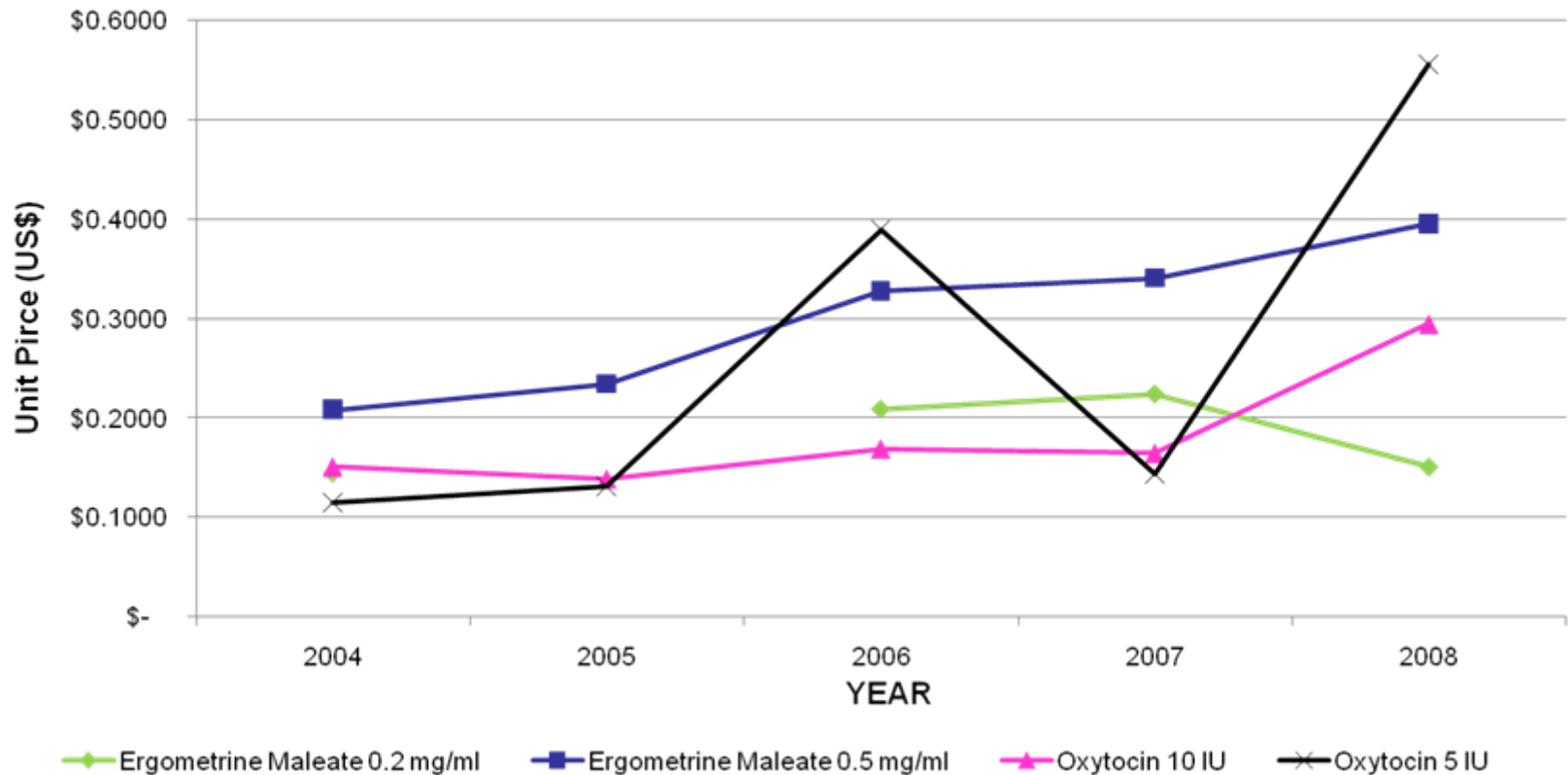
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# Pricing: Trends in Median Price from review of IDPIG prices

## Trends in Median Price Reported from Buyers (International Drug Price Indicator Guide)



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# Pricing: Comparison Ghana NHI prices and Median IDPIG prices

Product Name	Ghana NHI price	IDPIG Supplier (US\$)	IDPIG Buyer (US\$)	NHI to supplier	NHI to buyer
Ergometrine Maleate 0.2 mg/ml	\$ 0.201	\$ 0.0700	\$ 0.1511	186%	33%
Ergometrine Maleate 0.5 mg/ml	\$ 0.201	\$ 0.1823	\$ 0.3962	10%	-49%
Oxytocin 10 IU	\$ 0.118	\$ 0.1495	\$ 0.2948	-21%	-60%
Oxytocin 5 IU	\$ 0.118	\$ 0.1378	\$ 0.5564	-15%	-79%
Misoprostol 200 mcg	\$ 0.414	\$ 0.7843	\$ 0.3074	-47%	35%

## Pricing: Comparison of private and public sector prices in Ghana

		NHI price	RMS	Public RH	Public DH	Public HC	Pr Ph	Pr MH
<b>Central Region</b>	Ergotmetrine 0.2mg	\$ 0.2005						
	Ergotmetrine 0.5mg	\$ 0.2005	\$ 0.1245	\$ 0.1521		\$ 0.1369		\$ 0.3458
	Oxytocin 5 IU/ml	\$ 0.1176	\$ 0.1196	\$ 0.1521		\$ 0.1383		
	Oxytocin 10 IU/ml	\$ 0.1176		\$ 0.1521			\$ 0.1037	\$ 0.3458
	Misoprostol 200mcg	\$ 0.4135	\$ 0.5186				\$ 0.6915	\$ 0.6915
<b>Northern Region</b>	Ergotmetrine 0.2mg	\$ 0.2005	\$ 0.2005					\$ 0.1383
	Ergotmetrine 0.5mg	\$ 0.2005	\$ 0.2005	\$ 0.1314	\$ 0.1521	\$ 0.3458	\$ 0.1037	\$ 0.1521
	Oxytocin 5 IU/ml	\$ 0.1176	\$ 0.1314		\$ 0.0830			\$ 0.1176
	Oxytocin 10 IU/ml	\$ 0.1176	\$ 0.1314	\$ 0.1244		\$ 0.1660	\$ 0.0864	\$ 0.1383
	Misoprostol 200mcg	\$ 0.4135		\$ 0.4011			\$ 0.3458	
<b>BA Region</b>	Ergotmetrine 0.2mg	\$ 0.2005	\$ 0.2005	\$ 0.1383				
	Ergotmetrine 0.5mg	\$ 0.2005					\$ 0.1729	\$ 0.1729
	Oxytocin 5 IU/ml	\$ 0.1176						
	Oxytocin 10 IU/ml	\$ 0.1176	\$ 0.1176	\$ 0.2766			\$ 0.1729	\$ 0.1729
	Misoprostol 200mcg	\$ 0.4135	\$ 0.4135	\$ 0.6915				\$ 0.6915



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# Price comparison: Oxytocin sold at the health facilities

- Benin:
  - Price recommended by the Ministry of Health: 60 FCFA (US\$ 0.1333)
  - Range of prices found during assessment: 30 FCFA to 200 FCFA (US\$ 0.0667 to 0.4444)
- Mali:
  - No recommended price and no uniformity in prices
  - Average prices: Oxytocin 5 IU – 135 FCFA (US\$ 0.30), Oxytocin 10 IU – 140 FCFA (US\$ 0.3111)
  - 72% of facilities were selling oxytocin above this average price

# Actions to improve affordability

- Development, implementation and enforcement of pricing policies
- Rationalized procurement and distribution practices to reduce emergency procurements



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