

Estimates of IFF in Illegal Markets in Mexico

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The IFF Project at INEGI

Objetive

Replicate and refine the UNODC-UNCTAD methodology on IFF estimation

How?

Identify sources

- Regular
- Consistent
- Reliable

¿Is it possible to define a replicable methodology for future estimates?

Phases

- Literature review
- 2 Theoretical framework analyisis
- 3 Collect data

- 4 Analyze data quality
- Propose methodological refinements and adjustments
- (6) Report results



UNODC-UNCTAD conceptual framework

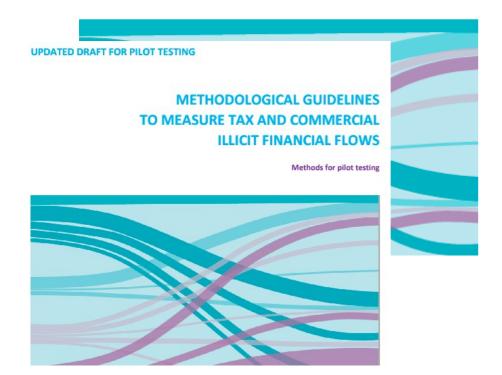






CONCEPTUAL FRAMEWORK FOR THE STATISTICAL MEASUREMENT OF ILLICIT FINANCIAL FLOWS

October 2020



Sources of IFF

- Corruption
- Commerce and fiscal
- Pug trade Migrant smuggling
- Financing of terrorism



Estimates for 2015-2018
Aggregative method (ascendant)



INEGI data source evaluation methodology

Data search from 2012 to 2023

115 sources selected and analyzed

General information

UNCTAD criteria (2021)

- Regularity
- Availability
- Topicality
- Scope
- Granularity
- Interoperability

Additional information

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IIINEGI Drug Trade

CdE-UNODC:
Cocaine
Heroin
Methanfetamines

INEGI proposal

Marijuana Fentanyl



Assumptions

General

Mexico as producer, consumption market and transit country

Inward IFF

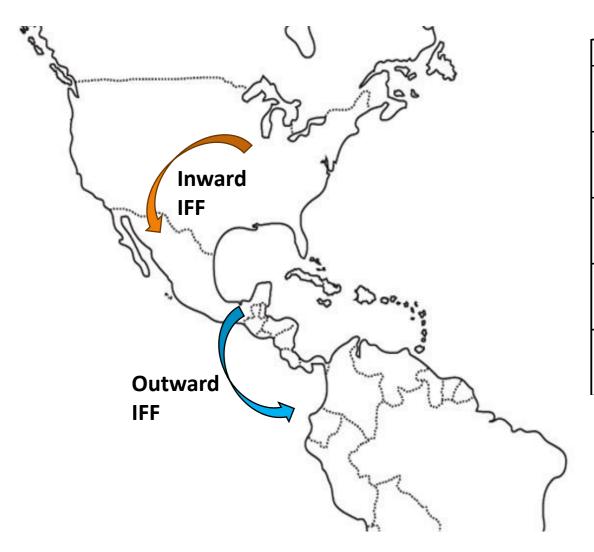
México as main source of drug flows into the US

Outward IFF

•Mexican imports = domestic consumption + seizures



Drug trade IFF model for Mexico



Drug	Period	Outward IFF	Inward IFF
Cocaine	2012-2023	90	ST.
Heroin	2012-2023	90	
Methamphetamine	2012-2023	80	
Marijuana	2012-2023	\$\$\$	F
Fentanyl	2016-2023	W.	









Producer



General formula

Inward IFF

Mexican exports



Export prices

Refinements:

((US consumption + US seizures) x Purity) x Connection coefficient US wholesale prices

Outward IFF



Mexican imports



Import prices

Refinements:

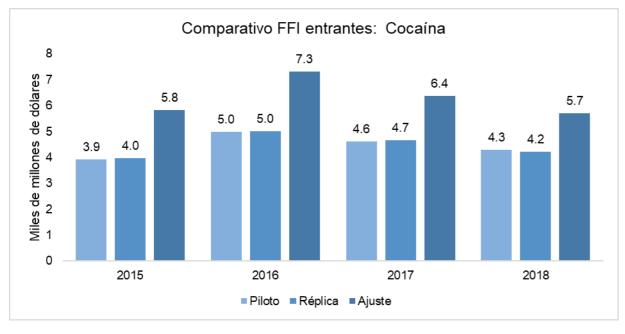
MX consumption + (MX seizures x Purity) + MX exports

 Mexican wholesale prices

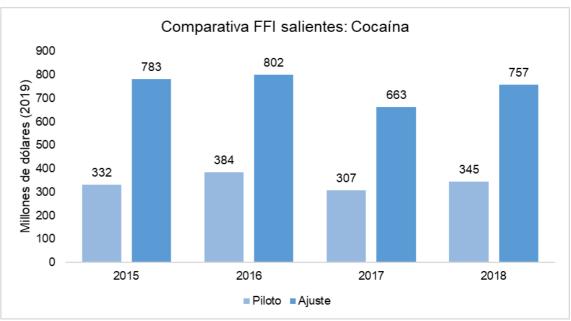


Cocaine trade IFF estimates

Inward IFF



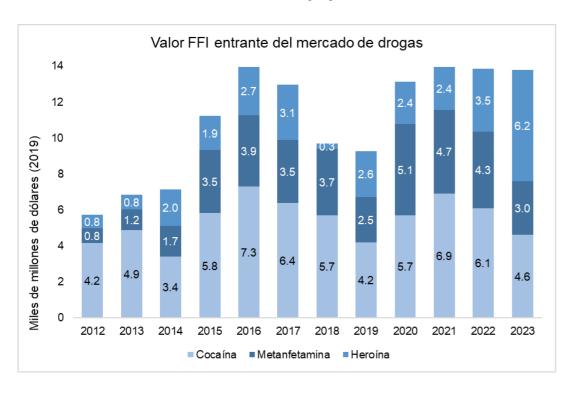
Outward IFF



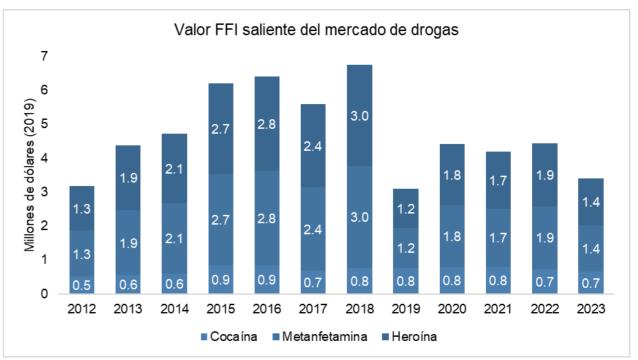


Drug market inward and outward IFF estimates

Inward IFF



Outward IFF







Migrant smuggling

CdE - UNODC México El Salvador Guatemala Honduras

INEGI proposal: Nicaragua Venezuela









Assumptions

General

- One event per migrant per year (crossing attempt)
- Undocumented migratory status
- Final destination country

Inward IFF

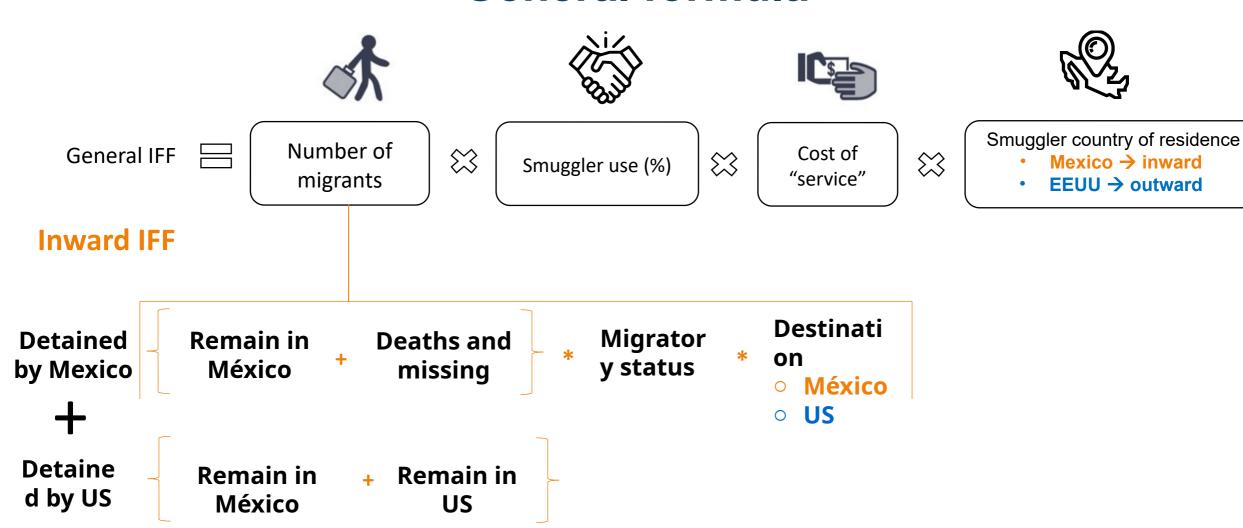
- Stay in Mexico < 1 year
- Smuggler country of residence (proxy: country of payment)

Outward IFF

Smuggler country of residence (proxy: country of contact)



General formula

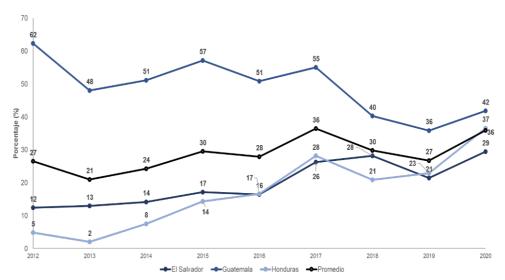


Outward IFF → Only Mexicans crossing into the US



Porcentage of migrants legally coming into Mexico

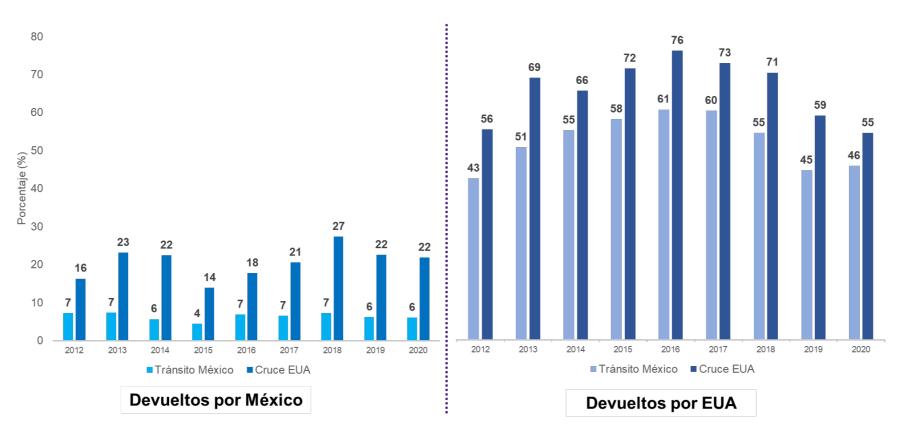
Porcentage of migrants looking to stay in Mexico



Source: EMIF Sur 2012-2022



Porcentage using smuggler by type of "service" (crossing and transit) 2012-2020





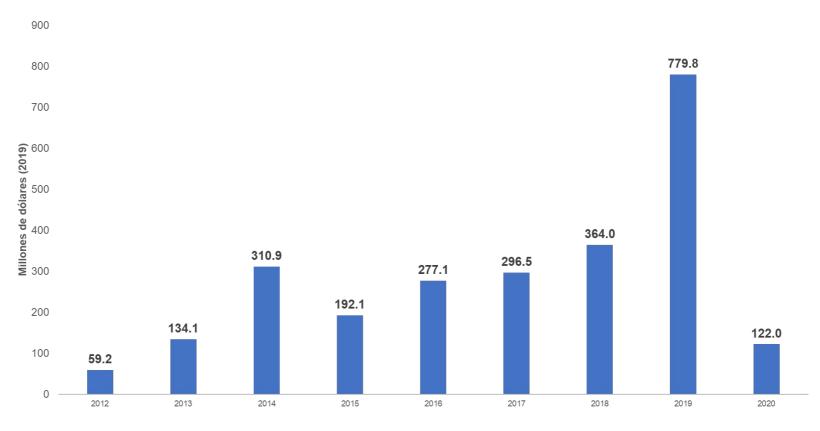
Mean cost by type of "service" (USD 2019) 2012-2020

Devueltos por Estados Unidos



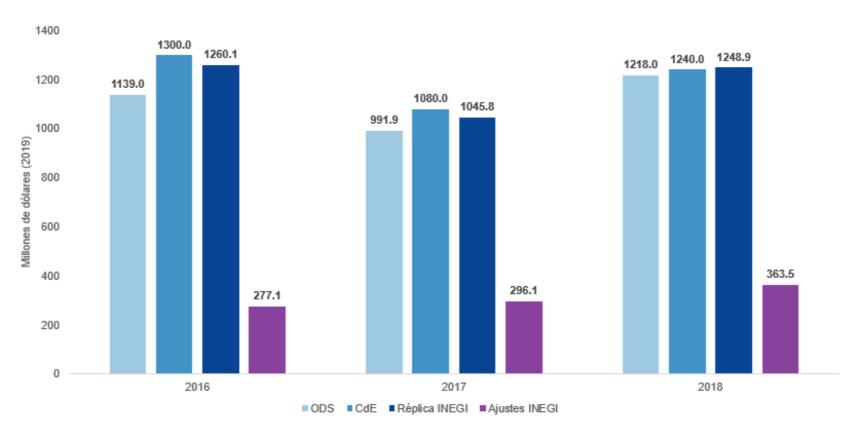


Inward IFF estimates 2012-2020 (USD 2019)





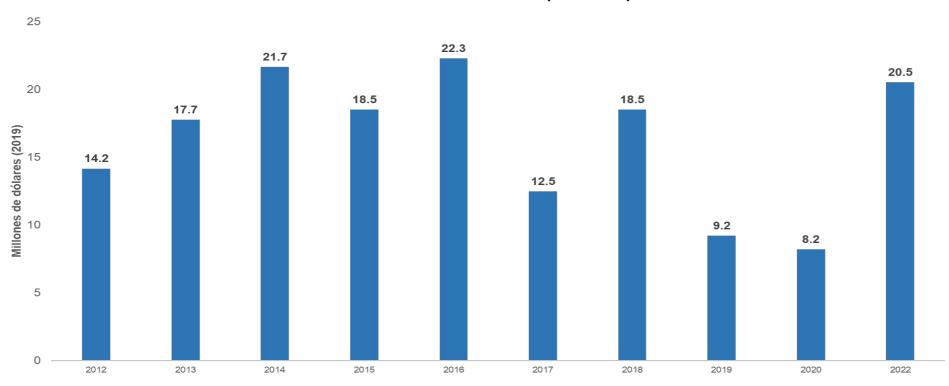
Comparison of Inward IFF estimates (USD 2019) 2016-2018



Source: Sustainable Development Goals; CdeE UNODC-INEGI, Migration Policy Unit, SEGOB; Yearbook of Migration Statistics, DHS; US. Costum and Border Protection; American Community Survey; Missing Migrants Project IOM; EMIF Sur, 2016-2018.



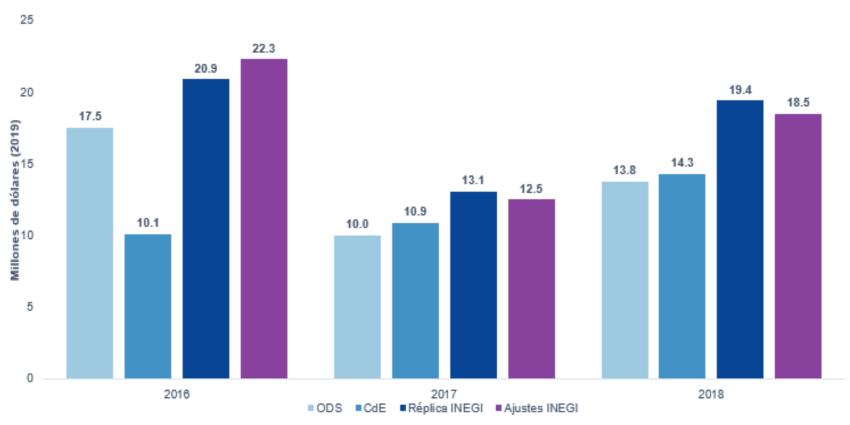
Outward IFF estimates 2012-2020 (USD 2019)



Sources: Yearbook of Migratrion Statistics, DHS; US. Costums and Border Patrol; American Community Survey (ACS); EMIF Norte 2012-2022.



Comparison of Outward IFF estimates (USD 2019) 2016-2018



Sources: Yearbook of Migratrion Statistics, DHS; US. Costums and Border Patrol; American Community Survey (ACS); EMIF Norte 2012-2022.



Conclusions

•Estimating IFF with precision is still challenging, because of:

- Fragile assumptions
- •Inconsistencies across data sources
- Unreliable continuity and completeness of key data
- High cost of developing a statistical program



