

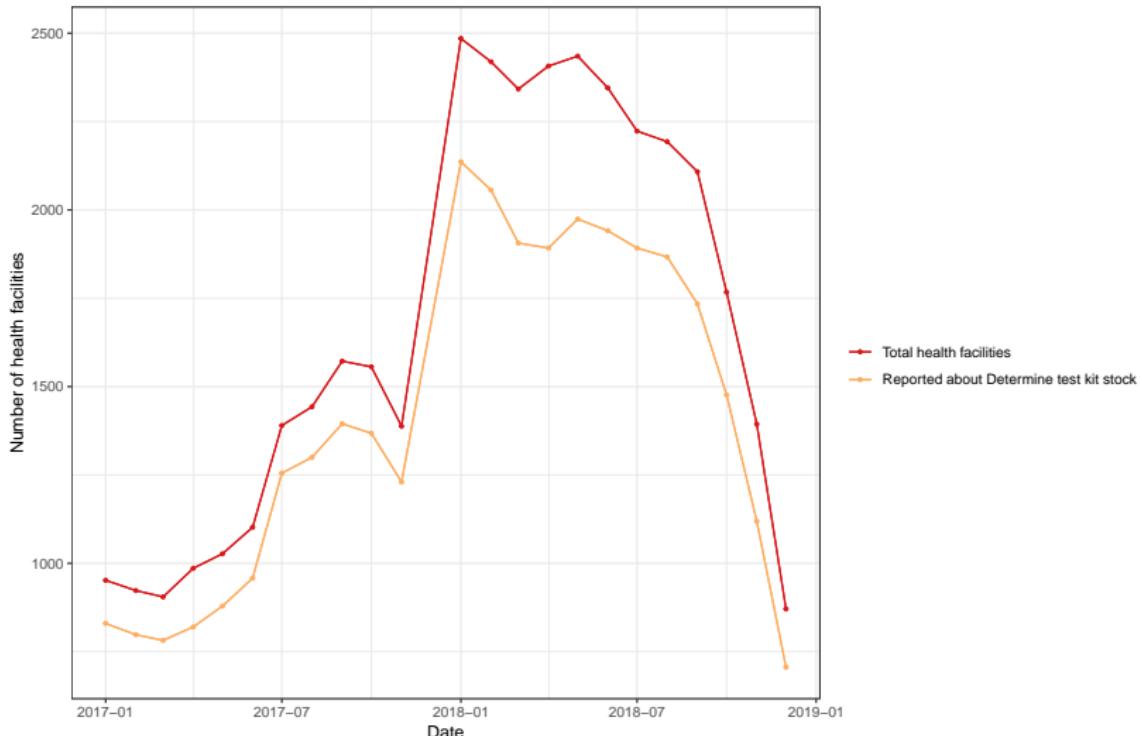
PNLS Supply Chain Analysis

IHME PCE

May 21, 2019

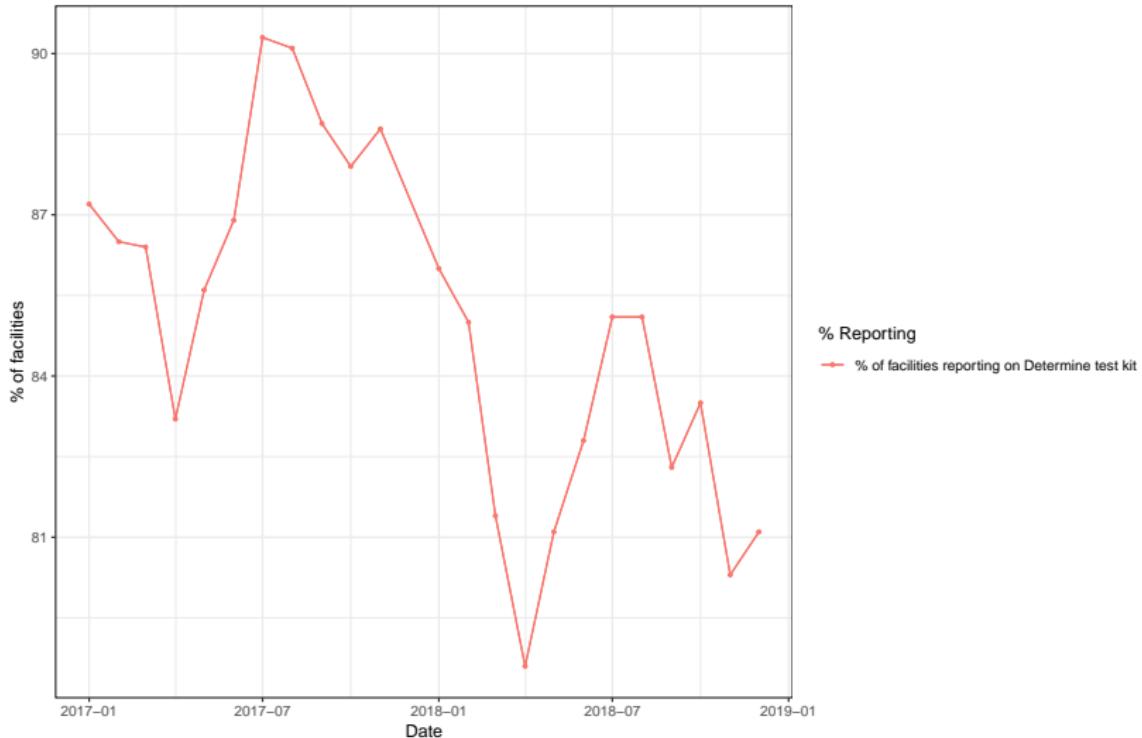
Reporting Completeness

Number of facilities reporting supply chain information for Determine test kit
Jan 2017 – Dec 2018



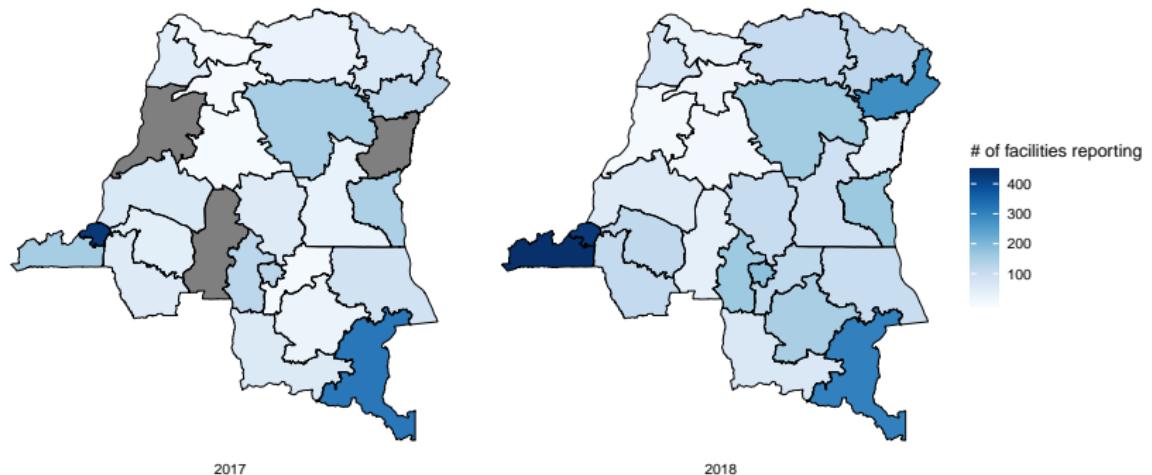
Reporting Completeness

Percentage of health facilities reporting supply chain information for Determine test kit
Jan 2017 – Dec 2018

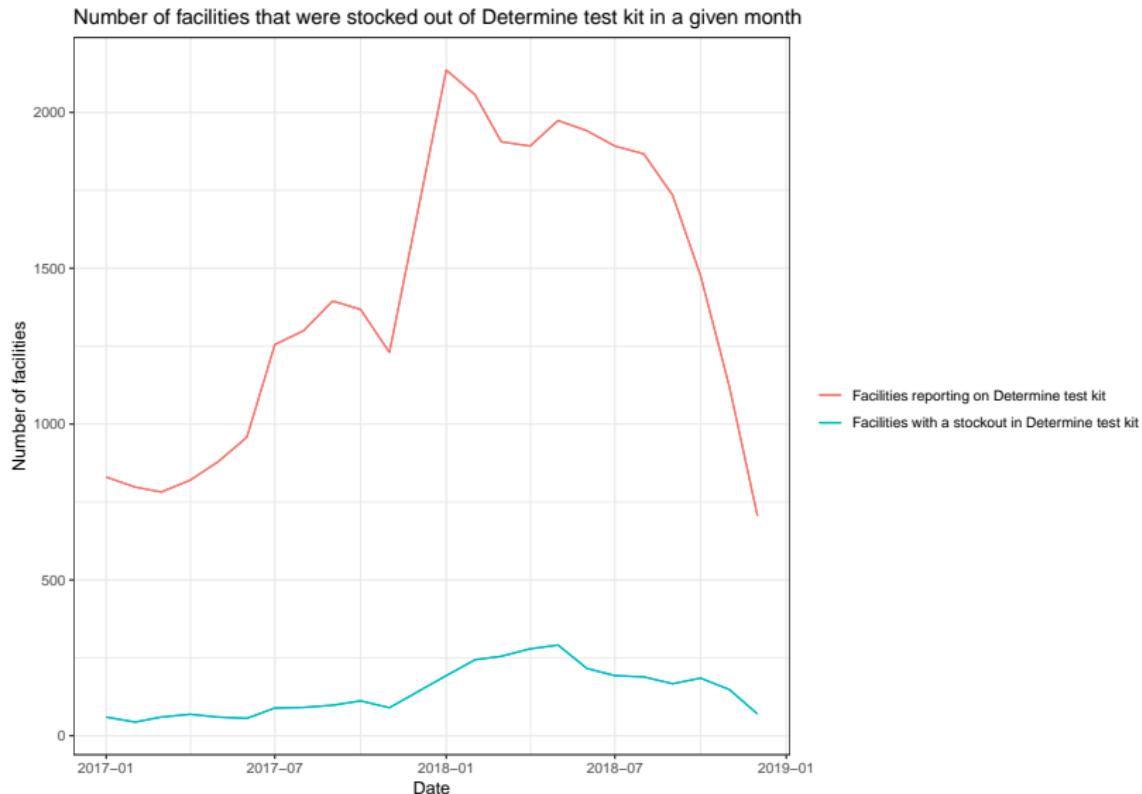


Reporting completeness

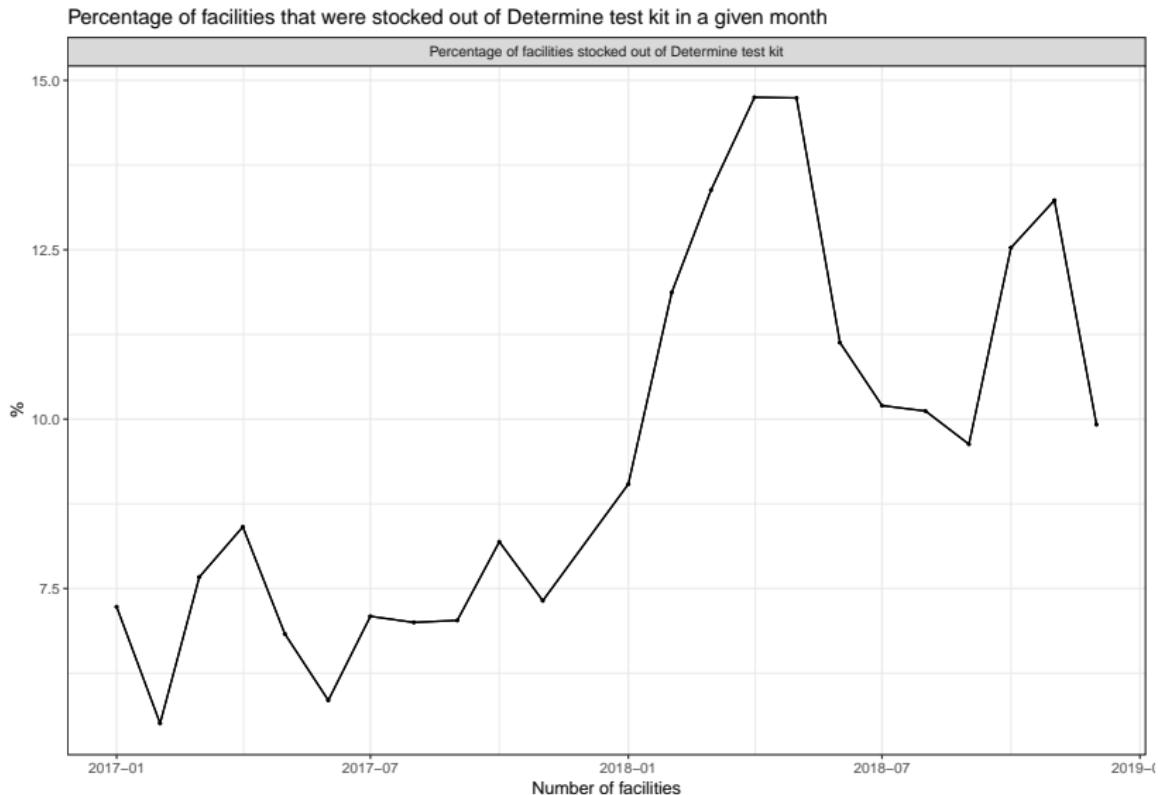
Reporting completeness by year and district for Determine test kit



Stockouts of first-line test kits



Percentage of facilities stocked out of first-line test kits

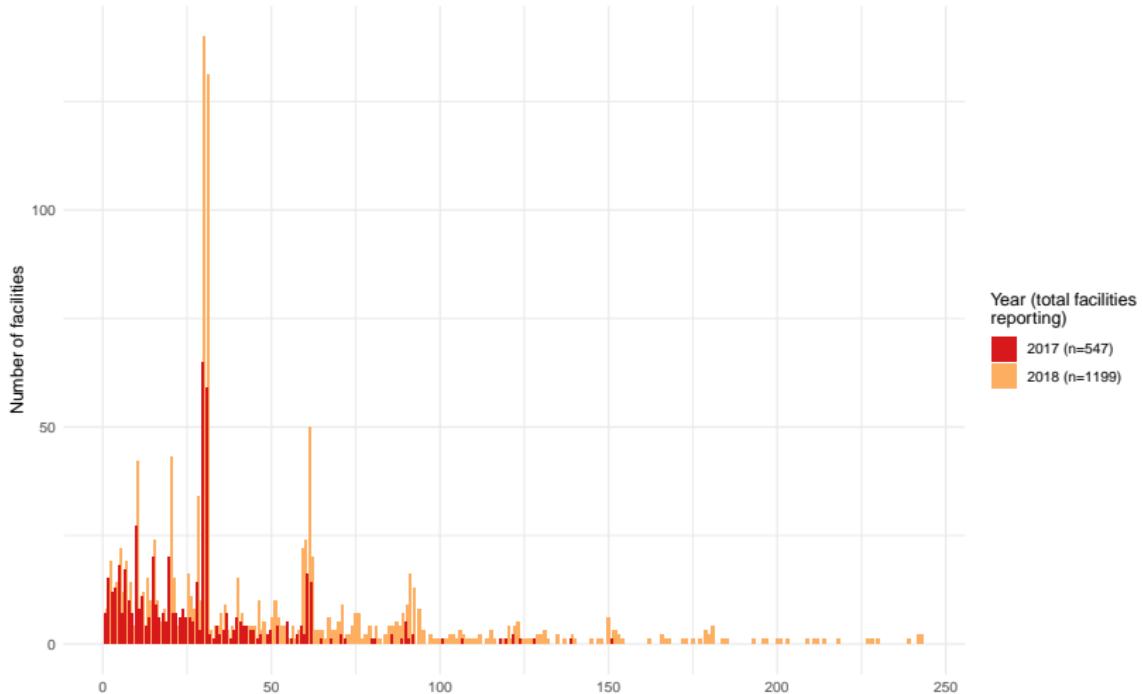


Stockouts of first-line test kits, controlled for reporting

GRAPH TO GO HERE

Total days stocked out by facility

Facilities stocked out of Determine test kit for at least one day by total days stocked out
Jan 2017 – Dec 2018

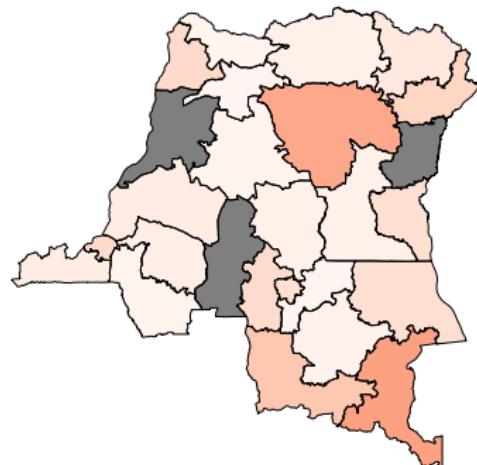


*Does not include facilities stocked out for 0 days

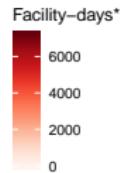
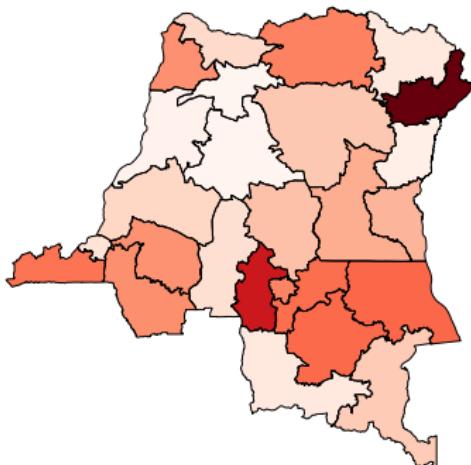
Map of total facility-days of stockouts

Total facility-days of stockouts for Determine test kit
Jan 2017 – Dec 2018

2017



2018

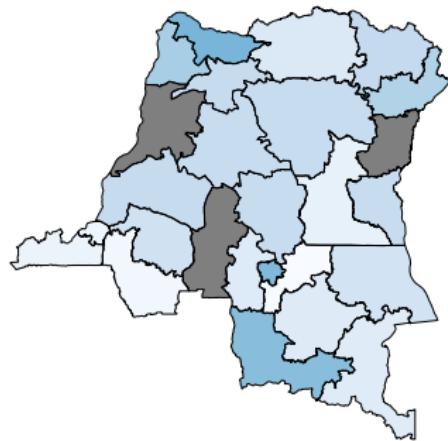


*A facility-day is defined as each day a facility reports

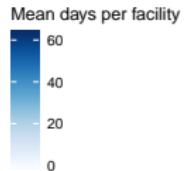
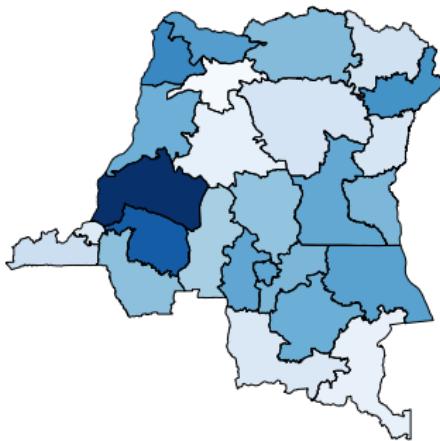
Map of mean number of days stocked out

Mean number of days stocked out of Determine test kit by district
Jan 2017 – Dec 2018

2017

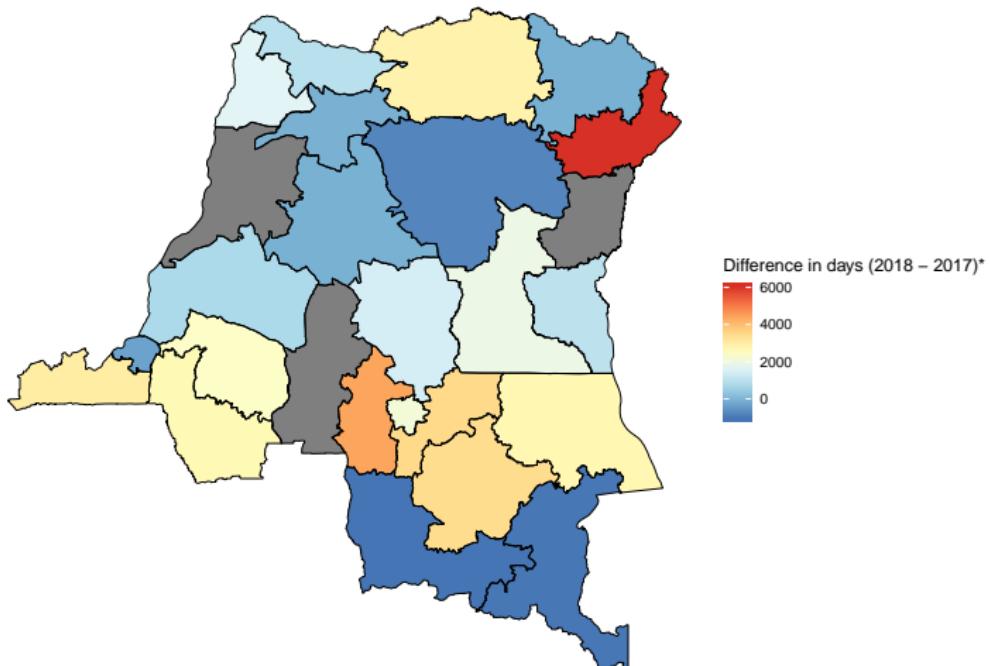


2018



Rate of change of stockouts

Rate of change: facility–days of Determine test kit stockouts in 2018 minus 2017
Jan 2017 – Dec 2018

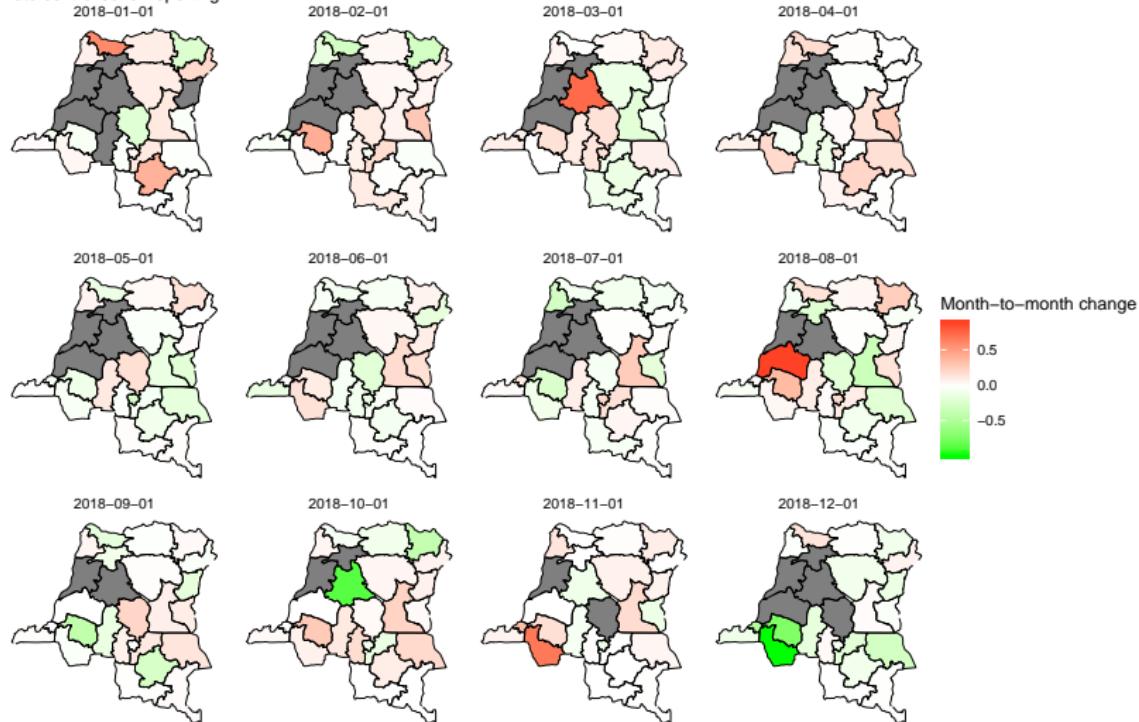


* Positive difference = more days stocked out in 2018 than 2017

Stock-out rate of change, by month

Determine test kit rate of change of stock-outs by district, all facilities

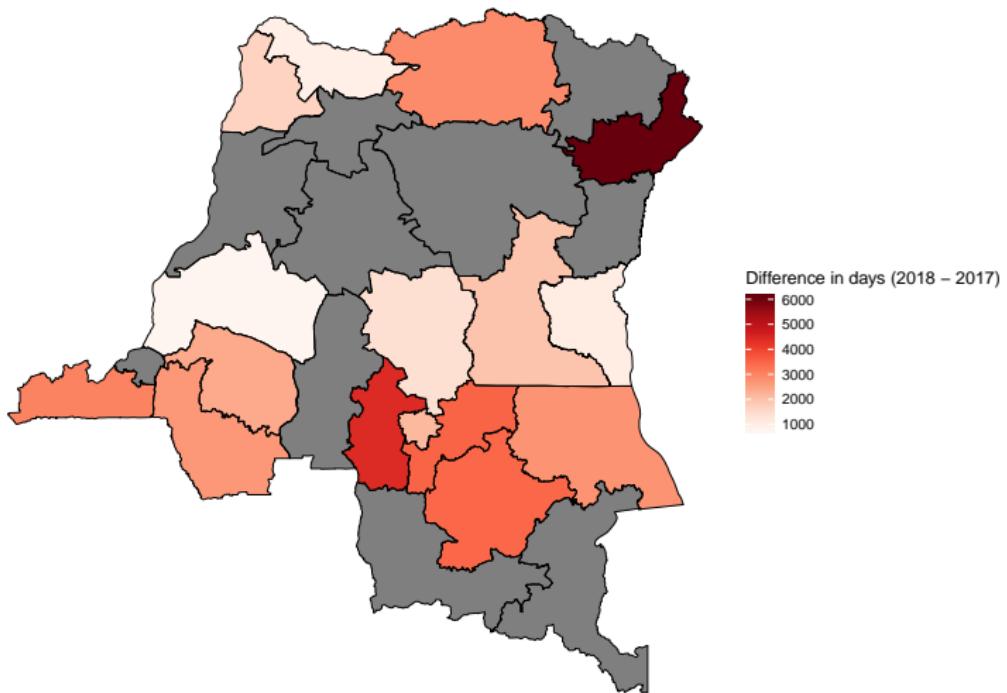
Data controlled for reporting



*Denominator only includes facilities that reported data for the given treatment regimen

Districts with more stockouts in 2018 than 2017

Districts with more facility–days of stockouts for Determine test kit in 2018 than 2017
Same time period: January – November

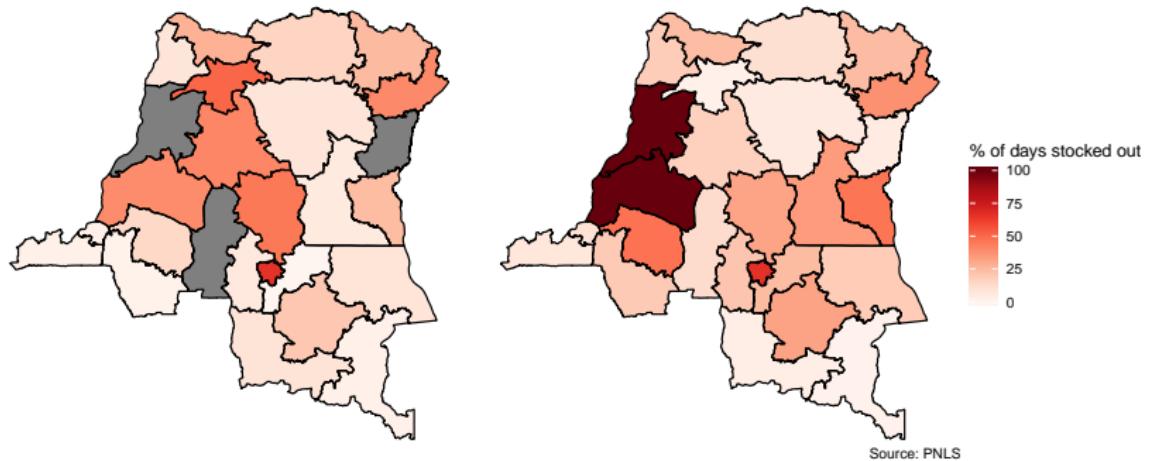


Percentage of facility-days stocked out

Percentage of facility-days stocked out of Determine test kit
Days facilities were stocked out/Total days in which facilities reported on Determine test kit

2017

2018

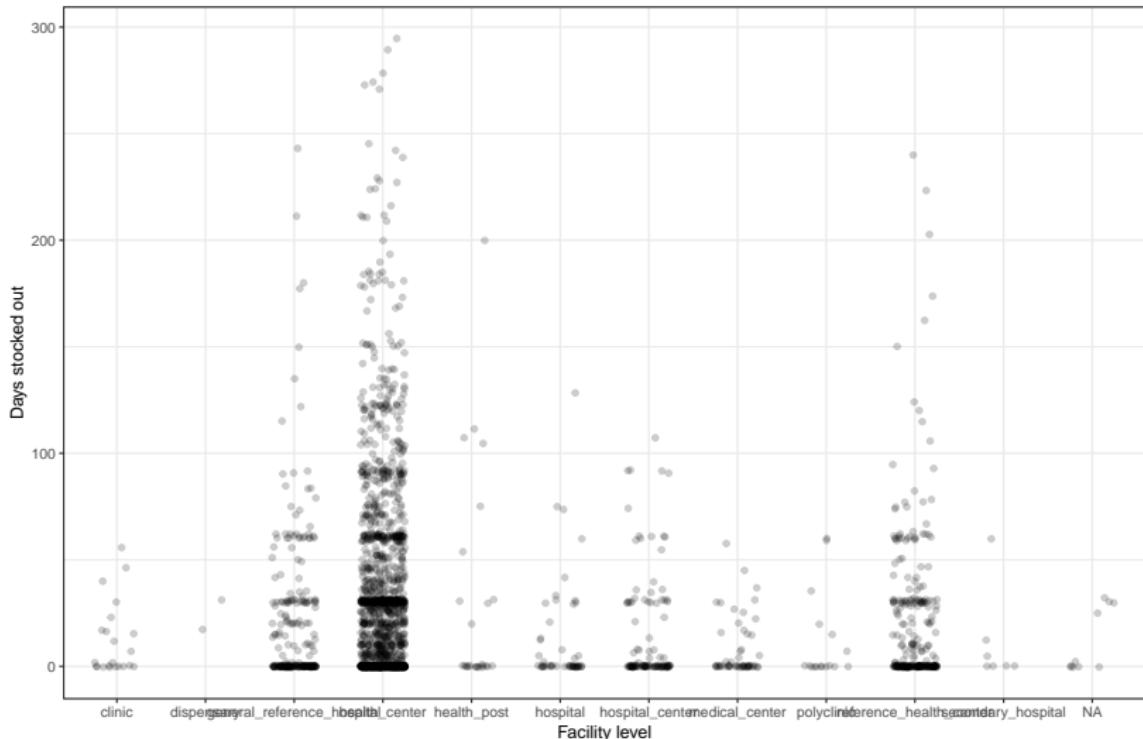


Source: PNLS

Days stocked out by facility level (all)

Days stocked out of Determine test kit by facility level

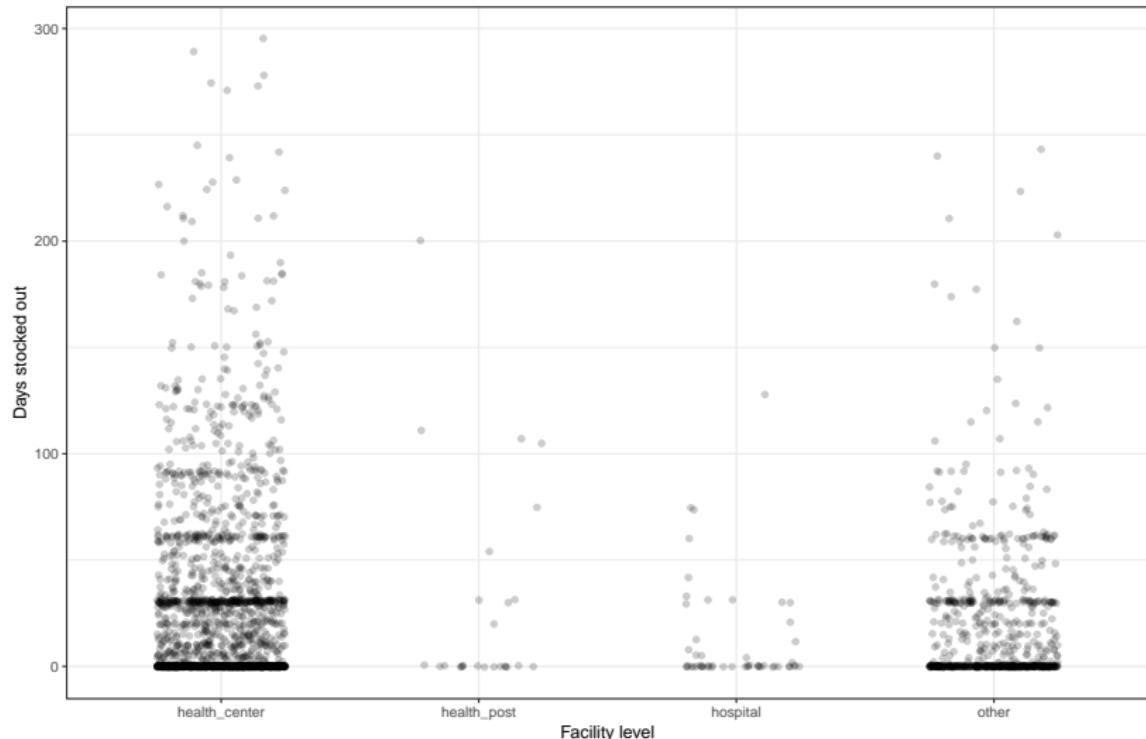
Jan 2017 – Dec 2018



Days stocked out by facility level (grouped)

Days stocked out of Determine test kit by facility level

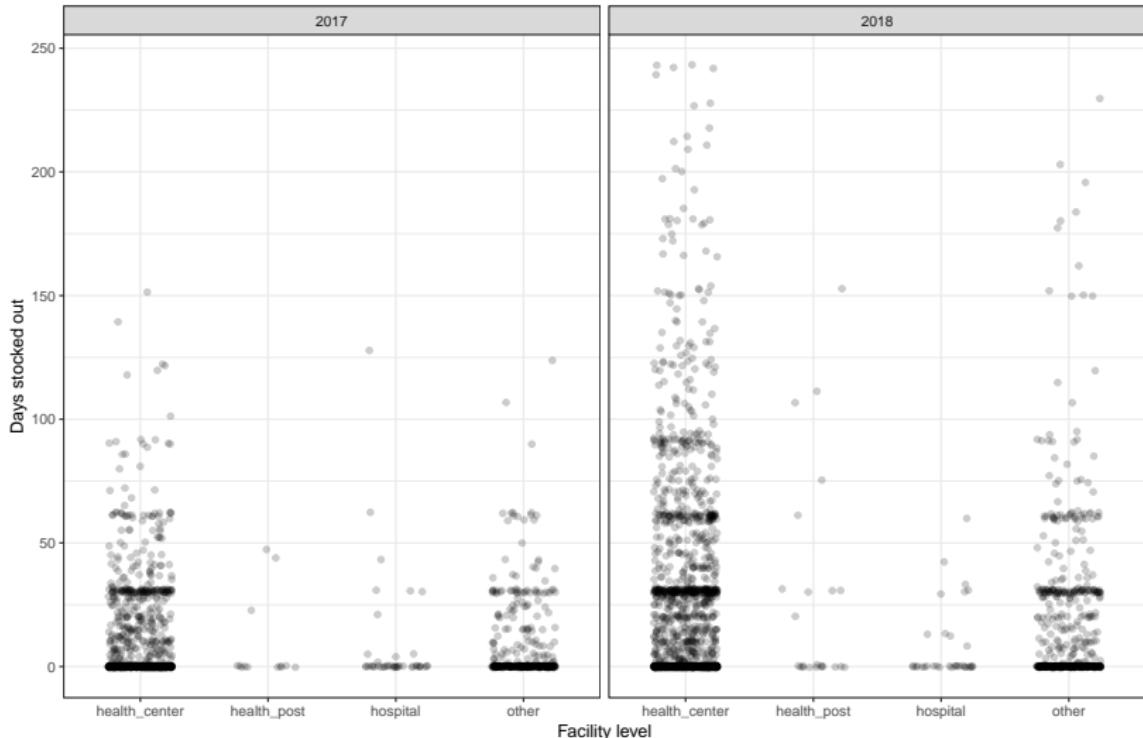
Jan 2017 – Dec 2018



Days stocked out by facility level (grouped, by year)

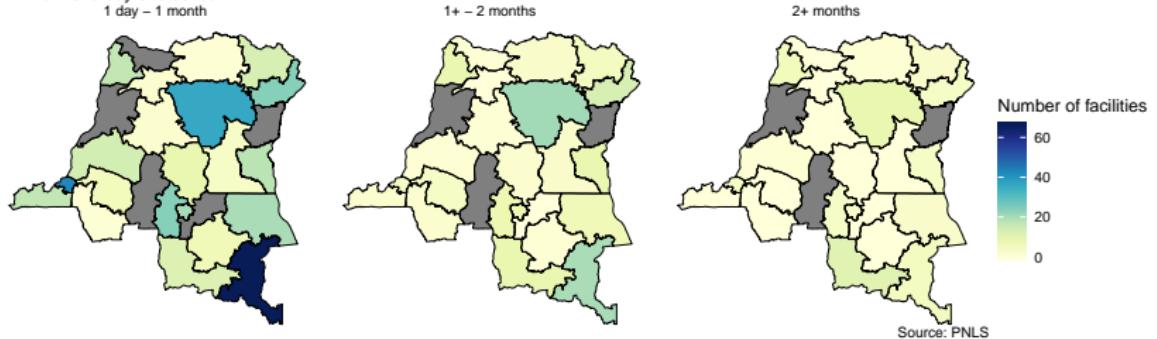
Days stocked out of Determine test kit by facility level

Jan 2017 – Dec 2018



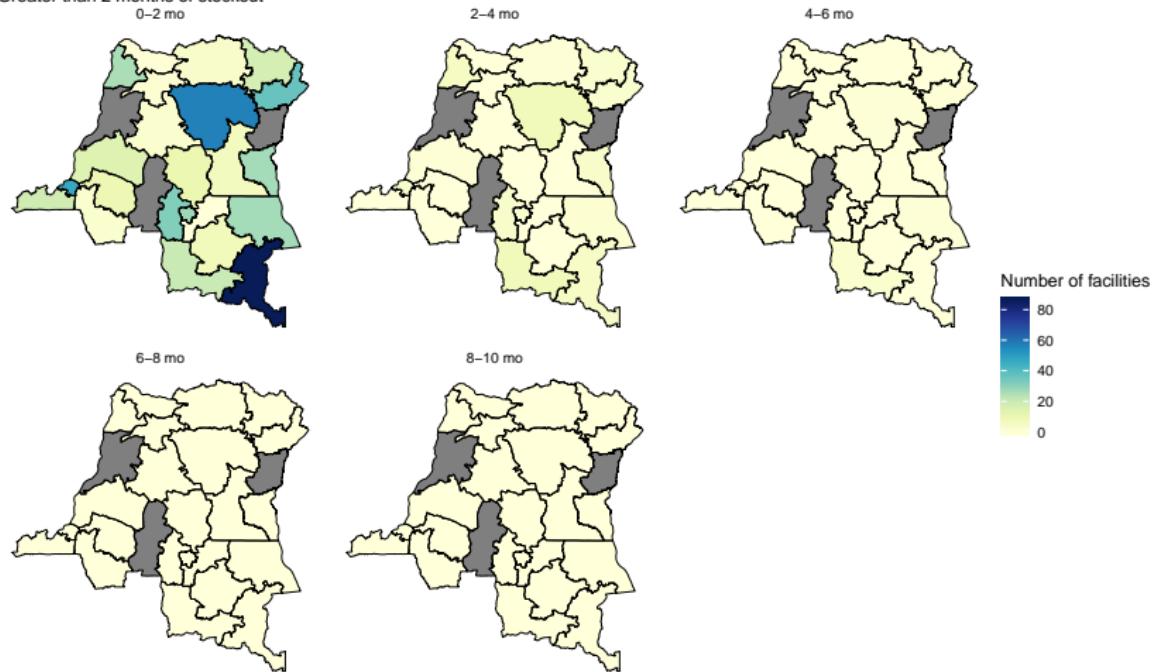
Stock-out duration, 2017 (No stockouts - 2 MO)

Number of facilities stocked out of Determine test kit by time stocked out, 2017
Minimum one day of stockout



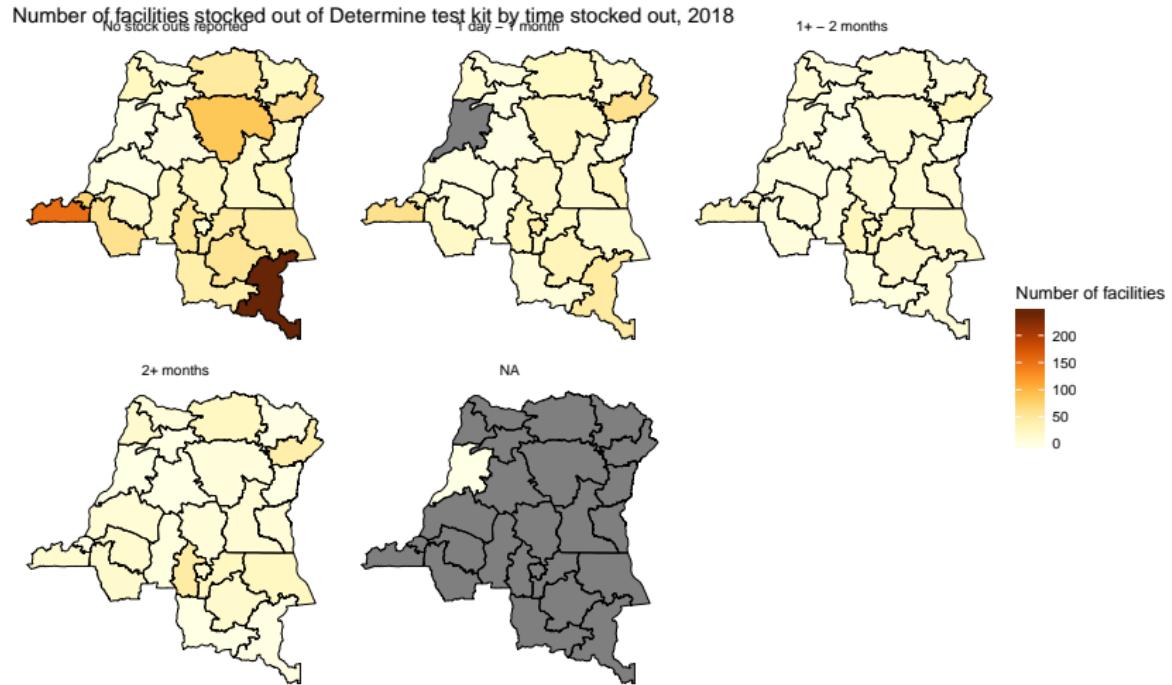
Stock-out duration, 2017 (2-month intervals)

Number of facilities stocked out of Determine test kit by time stocked out, 2017
Greater than 2 months of stockout



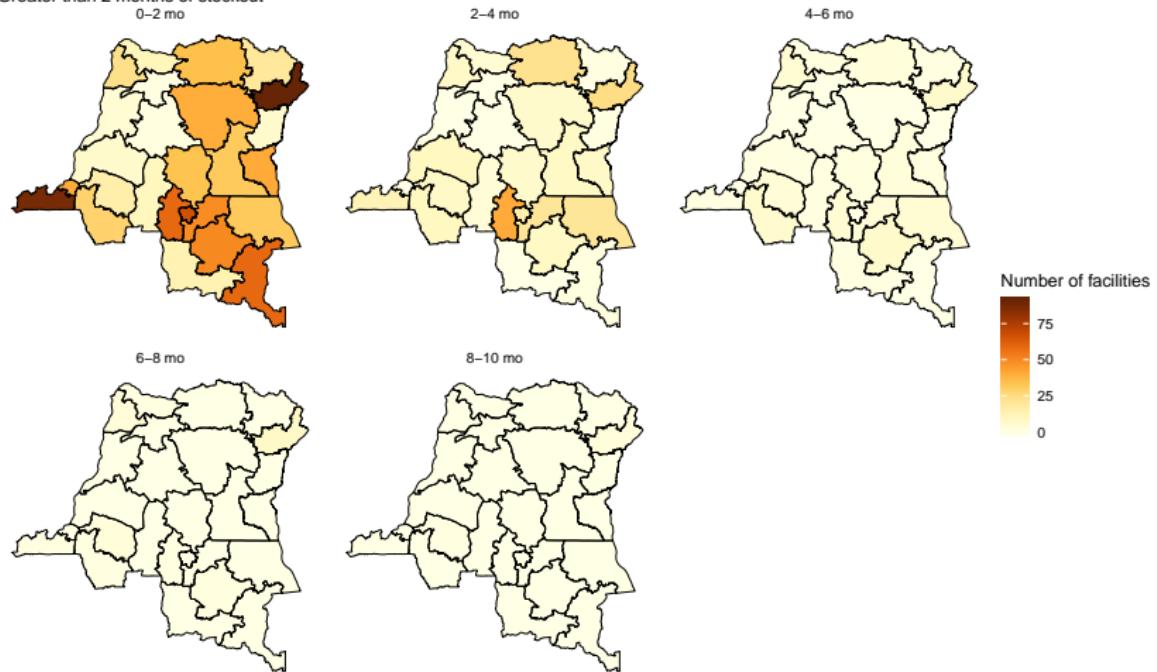
Source: PNLS

Stock-out duration, 2018 (No stockouts - 2 MO)



Stock-out duration, 2018 (2-month intervals)

Number of facilities stocked out of Determine test kit by time stocked out, 2018
Greater than 2 months of stockout

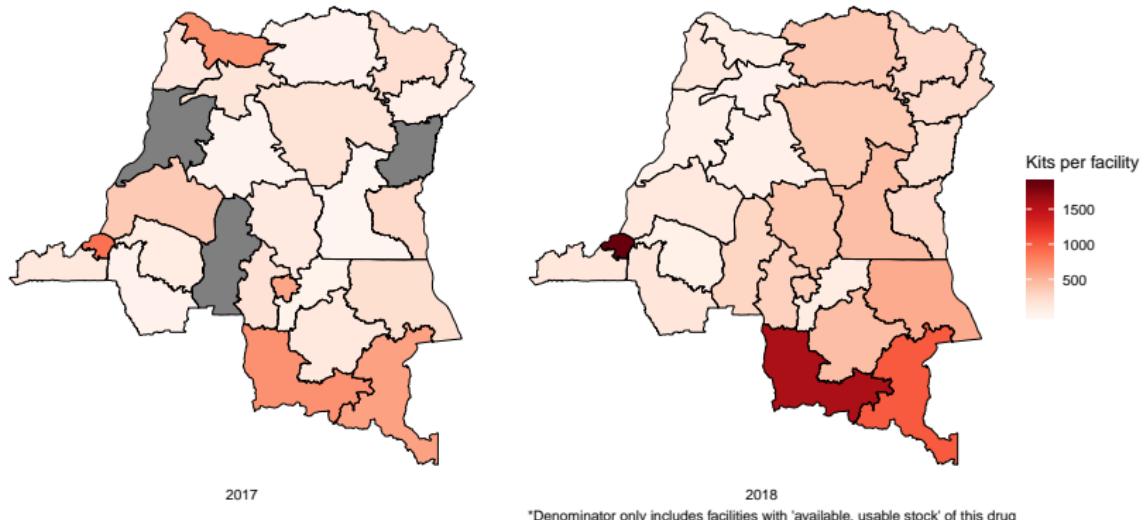


Source: PNLS

Mean drug units per facility, by district

Mean Determine test kit kits per facility, by district

Annual data restricted to Jan–Aug



*Denominator only includes facilities with 'available, usable stock' of this drug