



**PUBLIC
HEALTH
CENTER**

Access extension to rapid TB diagnostic methods in Ukraine



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TB burden in Ukraine

Ukraine is among 10 countries with the highest burden of MDR TB in the world In 2018, MDR TB was diagnosed in 28% of newly diagnosed patients and 48% of relapses/previously treated TB cases



MDR TB
6 547



XDR TB
1 028



TB//HIV
6 053



Children
580

Implementation of GeneXpert in Ukraine

Implementation of GeneXpert:

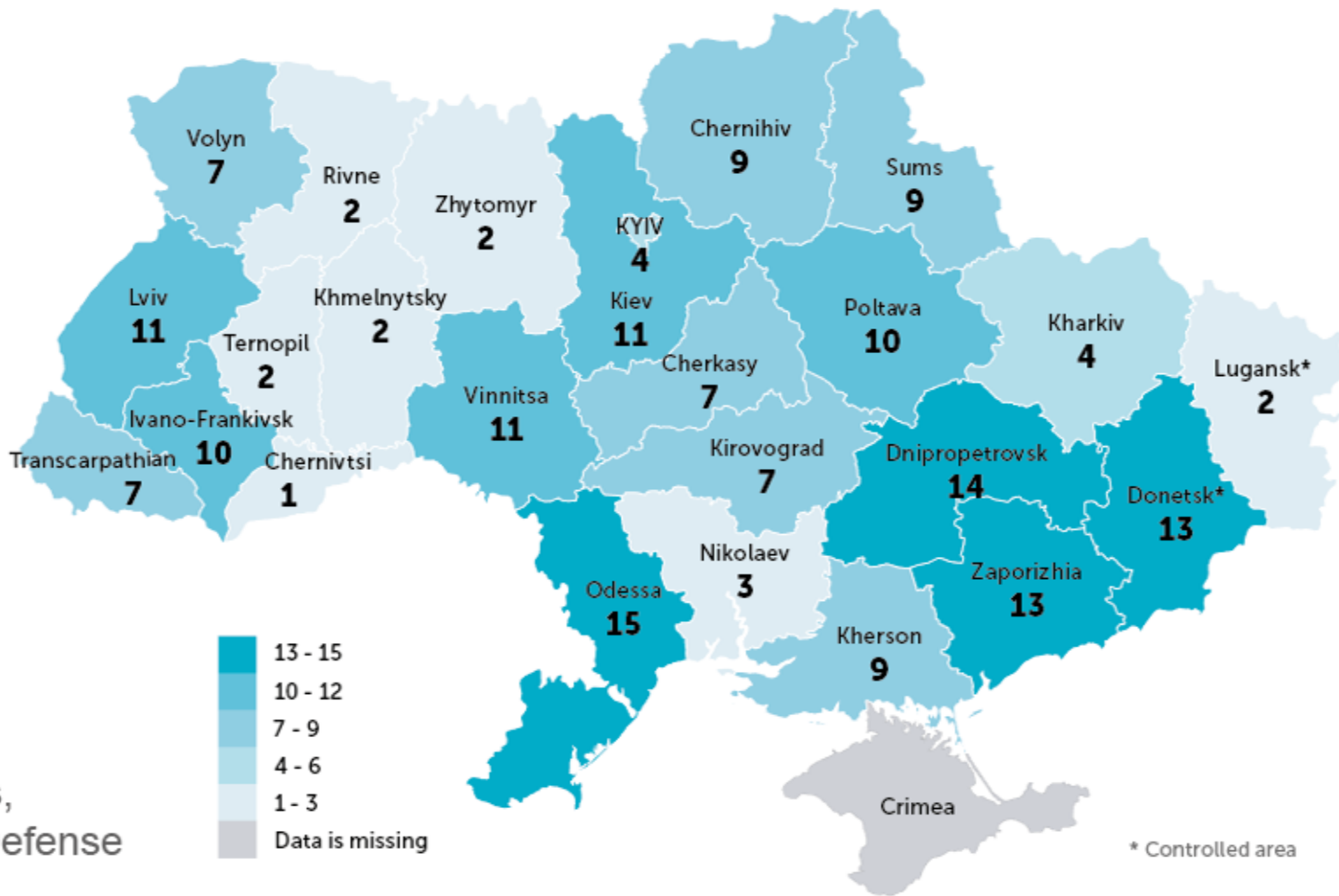


New TB cases covered by molecular genetic methods:



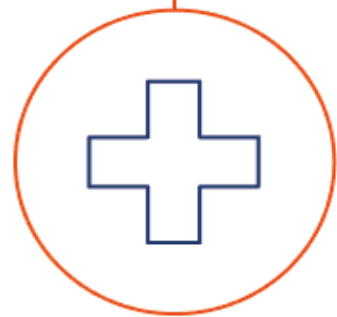
To confirm the diagnosis: **39** – TB facilities

To detect TB: **60** – PHC, **7** – AIDS Centers, **17** – penitentiary facilities, **4** – Ministry of Defense



Plans for 2020 – **190** GeneXpert

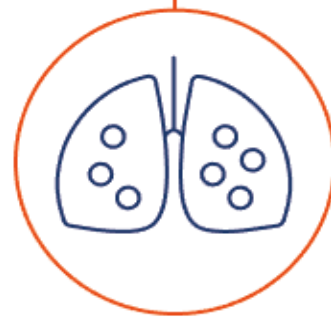
**172 276 cartridges
totaling to US \$1 895 036,00**



PHC facilities
52 500

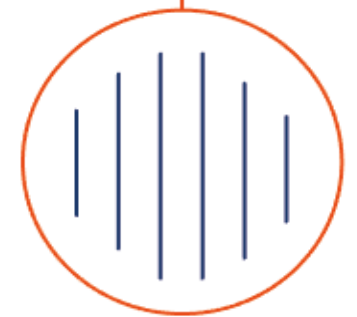


HIV
9 750



TB Hospitals
94 050

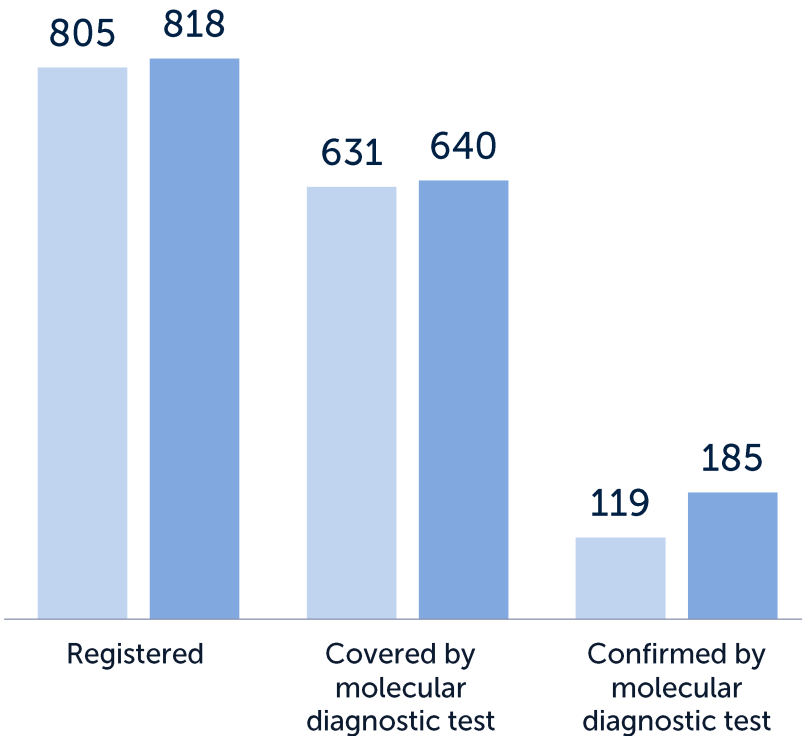
(63 750 of them using SB funds)



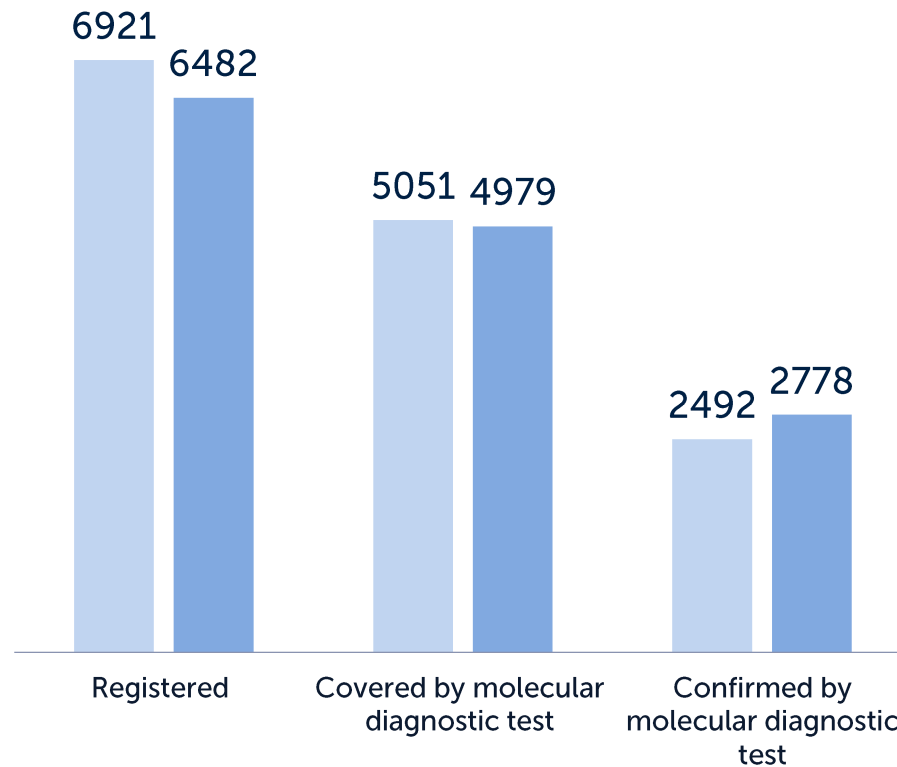
Prison hospitals
15 976

Results of ultra cartridges use during of 2019

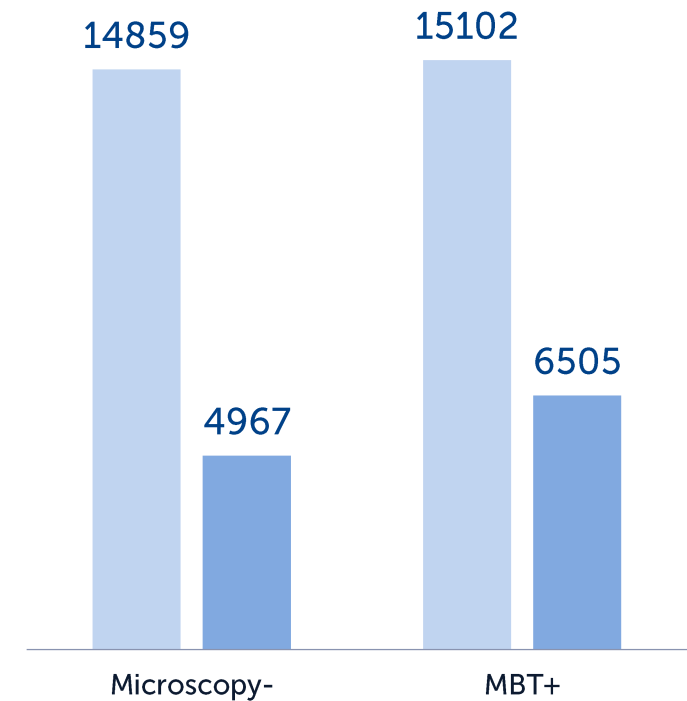
Children (aged 0 +17)



HIV-infected patients



Patients with microscopy-



■ 2018 ■ 2019

MAIN CHALLENGES

- ❖ Reforms
- ❖ Staff shortage
- ❖ Annual maintenance of laboratory equipment
- ❖ Storage and transportation of biomaterial
- ❖ Proper selection of patients
- ❖ Poor-quality biomaterial due to non-compliance with the procedure for biomaterial collection

CHALLENGES AND NEXT STEPS

- ❖ Reforms in specialized medicine in 2020
- ❖ Higher number of detected TB cases
- ❖ Providing 100% access to molecular genetic methods for general population with TB signs
- ❖ Introduction of new TB diagnostic methods
- ❖ Monitoring and evaluation of laboratory performance using digital instruments
- ❖ Ensuring the procurement of Ultra cartridges to satisfy 100% needs using state budget funds



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**THANK YOU FOR YOUR
ATTENTION!**