Testing in Workplaces: Experiences from Brazil

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**Painel Coronavirus**
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**Casos Confirmados**
- **Acumulado**: 9.058.687
- **Casos novos**: 61.811
- **Incidência**: 4310,6

**Óbitos Confirmados**
- **Óbitos acumulados**: 221.547
- **Casos novos**: 1.386
- **Letalidade**: 2,4%
- **Mortalidade**: 105,4

**Casos novos de COVID-19 por Semana Epidemiológica de notificação**

*Fonte: Secretarias Estaduais de Saúde. Brasil, 2020*
Brazil
The Strategy Pillars for CBDL to contribute significantly is based on cooperation among members and different stakeholders for making COVID tests available in order to effectively diagnose patients and orientate the best possible treatment.
Key Figures

- 13 labs
  - Private and Public
- 44 suppliers
- More than 60 kits evaluated
- Over 15,000 samples analyzed

Resolution 445/20

- Program is invited to collaborate with ANVISA for Post Market Surveillance actions:
  - Efficacy studies
  - Performance x Package Insert
  - Revalidation (for kits under RDC 348)

https://testecovid19.org
Mass Testing

• Pandemic
  – Need to have a clear picture of current situation in order to mitigate the risks
  – Public Health issue
    • Ministry of Health (MoH) role
      – Expectation of acquisition of over 46 million tests
        » RT-PCR
        » Rapid Tests(AB)
        » Rapid Test (Ag) ?
    • UFPel – EpiCOVID19
Mass Testing

- **Pandemic**
  - Hospitals (> 6,000)
  - Laboratories (> 18,000)

- **How to take the next step?**
  - Pharmacies / Drugstores (>88,000)
    - RDC 377/20
  - Companies
    - If served by Clinical Analysis Lab
      - (RDC 302/05)

- **Goals:**
  - Epidemiological Study
  - Information about the individual status
  - Support for the return to work

- **Ag Rapid Tests started to be used in Nov/20**
  = 40% of total 2020 volume
Mass Testing

• Return to work
  – Urgent need to promote safety protocols and proper testing for assuring the return to certain activities

• What is being done?
  – Combination of different tests
    • RT-PCR
    • Antigen Rapid Tests
    • Antibody Rapid Tests
    • Serological Tests
  – Planning and execution of tests in accordance with protocols
Pharmacies
Events

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Testing in Workplace

• Key to a safer return to work

• It is essential to implement:
  – Prevention Protocols
  – Containment Protocols
  – Training
  – Adaptation of Structure and Processes
  – Screening / Testing
Testing in Workplace

• Testing Protocols
  
  – Antigen Testing (screening):
    • Everyone is tested before joining the workplace or venue
      – If there is anyone who is positive, he/she is immediately sent home for quarantine and contact tracing is started;
      – If negative, then he/she is allowed to participate in the activity – BUT still following safety protocols
  
  – Antibody + Antigen Testing
    • Step 1 - For all individuals, Antibody Rapid Testing is offered
    • Step 2 – Antigen testing is done for all those who tested negative for Ab.
  
  – RT PCR: for confirmation of Ag positive test / symptomatic cases
Summary

• Diagnostics are part of the solution!

• Never forget: we always need the **right test to be used on the right patient in the right place at the right time**!

• **Combination of molecular/antigen + serology tests** improves case detection

• **Serology tests = important to know the extent of the pandemic, map its distributions, identify hotspots and at risk populations, monitor trends**

• **Antigen tests = excellent tool for screening the whole population in order to find out the asymptomatic cases of COVID**

• **RT PCR = the best tool for checking and confirming symptomatic cases**

• **Diagnostics will always be the best tool for developing public health policy and to promote a quicker return to a normal (?) phase for the economy**
Obrigado!

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