Chikungunya: Experiences from the current response to the outbreak in the Americas

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Preparing for a Chikungunya Introduction
Introduction of Chikungunya in the Americas in 2013

December 2013

December 2014
### Cases, Cumulative Incidence* and Deaths from Chikungunya in the Americas, 2023 EW 16

<table>
<thead>
<tr>
<th>Year 2023</th>
<th>Total cases</th>
<th>Cum. incidence</th>
<th>Confirmed</th>
<th>Deaths/CFR</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>214,719</td>
<td>22</td>
<td>94,640 (44%)</td>
<td>124/0.058%</td>
</tr>
</tbody>
</table>

*Per 100,000 population

Source: PAHO/WHO Health Information Platform (PLISA)
2023 saw an increase of 128% (214,719 cases) with respect to the same week of 2022 (94,250 cases) and 264% with respect to the average of previous 4 years (58,941 cases).
2023 saw an increase of 9,248 times (138,730 cases) with respect to the same week in 2022 (15 cases) and 6,031 times with respect to 4-year average (23 cases) in Paraguay.
Cases by age group and sex

- **Total de casos reportados**
  - Male
  - Female

- **Cases by age group and sex**
  - 0 to 4
  - 5 to 9
  - 10 to 14
  - 15 to 19
  - 20 to 24
  - 25 to 29
  - 30 to 34
  - 35 to 39
  - 40 to 44
  - 45 to 49
  - 50 to 54
  - 55 to 59
  - 60 to 64
  - 65 to 69
  - 70 to 74
  - 75 to 79
  - 80 to 84
  - 85 to 89
  - > 90

- **Source:** MOH Paraguay
Characterization of Deaths, Paraguay

115 deaths have been reported since EW40 2022 and EW15 2023

- The greatest number of deaths has been in males over 60 years of age
- 18 deaths reported in infants
- CFR is 0.16% - highest CFRs in those <1 yr and those >80 yrs

<table>
<thead>
<tr>
<th>Año</th>
<th>Confirmados</th>
</tr>
</thead>
<tbody>
<tr>
<td>Año 2022</td>
<td>1</td>
</tr>
<tr>
<td>Año 2023</td>
<td>114</td>
</tr>
<tr>
<td>Total</td>
<td>115</td>
</tr>
</tbody>
</table>

Source: MOH Paraguay
2023 saw an increase of **939%** (935 cases) with respect to the same week in 2022 (90 cases) and **94%** with respect to the 4-year average (481 cases).
2023 saw an increase of 32% (78,643 cases) with respect to the same week in 2022 (59,562 cases) and 54% with respect with the 4-year average (38,650 cases).
Weekly Chikungunya Cases, 2022-2023 EW15, Argentina

776 cases of local transmission

Casos según lugar de residencia

Fuente: Plataforma de Información en Salud (PLISA). OPS/OMS
Support to Countries Technical Missions of Experts to countries

- BOL:
  - Clinical Management
  - IVM

- PRY:
  - Clinical Management
  - Epidemiology
  - Lab
  - IVM (2)

7 technical missions
Support to Countries: Strengthening of Surveillance

• Development of Virtual Collaboration Spaces that operationalize collaborative surveillance and facilitate the communication, collaboration and technical cooperation
• Automates analysis and generation of visualizations to facilitate decision-making
Support to Countries: Integrated Vector Management

Technical document for the implementation of interventions based on generic operational scenarios for *Aedes aegypti* control
Virtual course on Dengue Clinical Management
Virtual course on CHIK COMING SOON!
Considerations

• 2023 has presented increased arboviral circulation in many countries of the Americas

• Several countries in the Region are experiencing important increases in chikungunya transmission with an increase in deaths from chikungunya also observed
  • Broadening of seasonality
  • Expansion of circulation to new areas

• Is the increased transmission in the Southern hemisphere advance notice for northern hemisphere summer?

• New tools in technical cooperation have demonstrated success in monitoring epidemics and mitigating the impact
Thank you
Gracias
Obrigada
Merci