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A light blue map of Costa Rica is visible in the background, showing major cities like San Juan del Sur, Liberia, San José, Cartago, Limón, and Boquete, as well as the Reserva Biológica Indio Maíz. The map is overlaid with a grid.

Costa Rican National Academy of Sciences

Local Actions on the Pandemic

IANAS WEBINAR

01/06/2020



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March 6: 1st case, US citizen

March 16: Emergency State

41 cases (3/16)

Schools closed (3/17)

Borders closed (3/18)

Dr. Daniel Salas & Dr. Roman Macaya

May 31

Total # cases 1,056

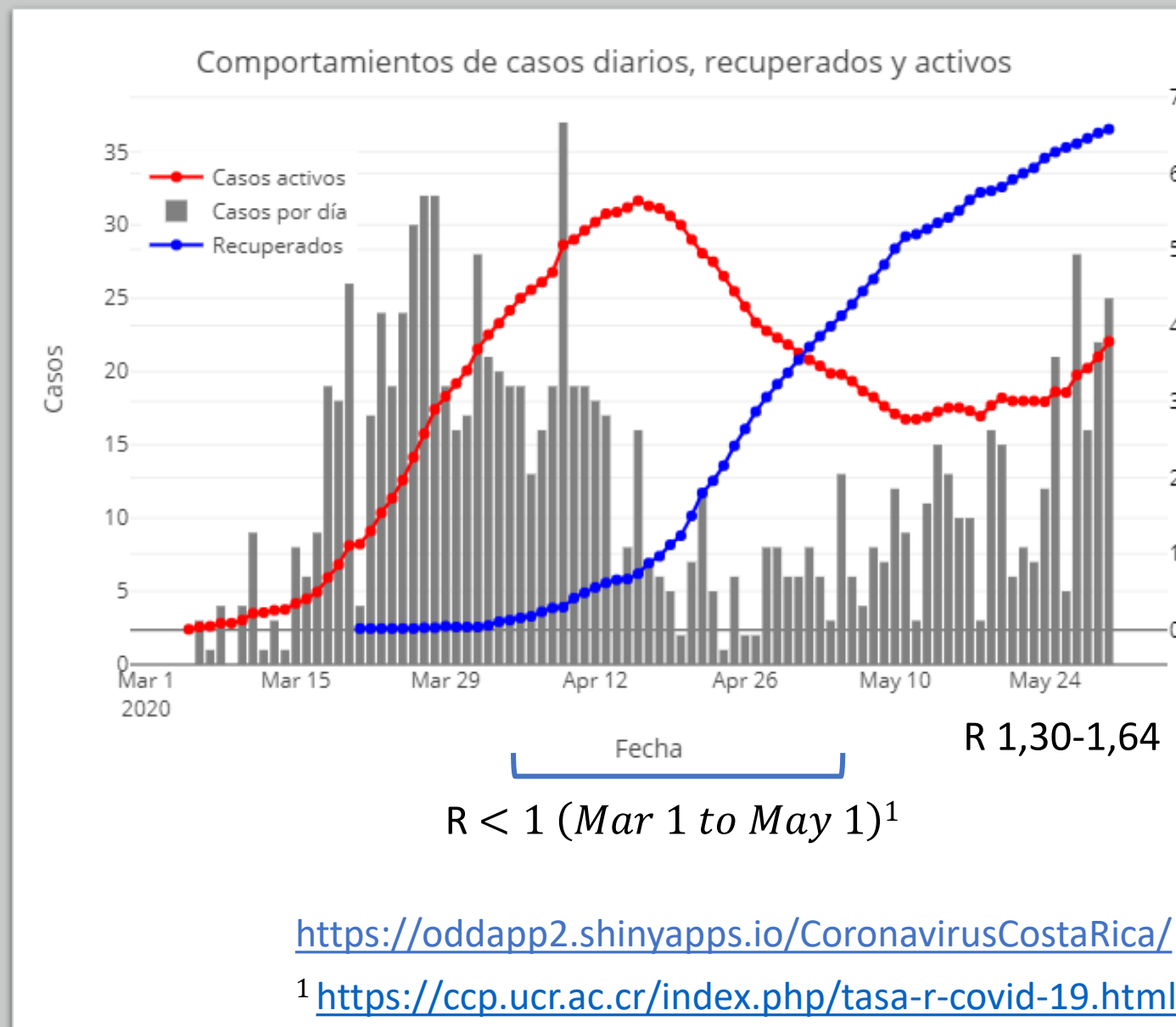
Deaths 10 (0,2 x 100,000)

Active cases 377

Hospitalized 12 + 4 (ICU)

Total PCR tests 26,622

<https://www.ministeriodesalud.go.cr/>





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1. WORKING GROUP (March 16)

- Dr. María Laura Arias
- Dr. Walter Fernández (President)
- Dr. Pedro León
- Dr. Carla Odio
- Dr. Henriette Raventós
- Dr. Luis Rosero



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2. STATEMENTS AND MEDIA

1. Support the actions taken by our health authorities on physical distancing, hygiene and work from home, when possible (March 16)
2. Open letter to our health authorities to suggest the use of masks in public places (April 15)

Permanent presence of members of the Academy as well as other renowned local scientists in written press, radio, television, webinars and social media.



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3. WEBINARS by the ANC (in Spanish)

- “Evidence-based medicine: SARS-CoV-2 pharmacotherapeutic options” Dr. José Miguel Chaverri-Fernández (June 4, 6 pm)
- “Development of vaccines and their role in the public health” Dr. Rolando Herrero (June 11, 4 pm)
- International panel “Psychiatry during the pandemic” (June 16, 10 am)

Dr. Henriette Raventos (moderator), Dr. Iván Chavarría (New York), Javier Contreras (Costa Rica), Dr. Alejo Corrales (Argentina), Dr. Alvaro Jerez (Guatemala), Dr. Humberto Nicolini (Mexico), Dr. Sophie Ouabbou (United Kingdom).
- “Learned lessons in Costa Rica to confront the next crisis under the precepts of risk management” Dr. Sergio Mora-Castro (June 18, 4 pm)



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4. ACTIONS by PUBLIC INSTITUTIONS

- Hospital refurbished for COVID-19 (2 weeks)
- Biostatistical projections, Reproduction number calculations (R) and modelling (Ministry of Health, CCP, UCR, UNA)
- Treatment with plasma from recovered patients (first patient received plasma on May 23) (Public Hospital System - CCSS)
- Preparation and distribution of sample collection kits and PPE masks (UCR, TEC)
- Psychosocial support by voluntary mental health care professionals (CR College of Psychology, UNA)
- Economic support for unemployed families (Central Government)
- Food delivery to vulnerable populations (Ministry of Education, local governments)
- No charge for data if connected to public web sites.



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5. RESEARCH by PUBLIC INSTITUTIONS

- Molecular studies of SARS-CoV-2 variants by WGS (INCIENSA)
- Separation of neutralizing antibodies of patients' plasma for experimental treatments (ICP-UCR)
- Immunization of horses to separate neutralizing antibodies for experimental treatments (ICP-UCR)
- Research on manufacture of ventilators (UCR, TEC)
- Research on psychosocial effects of the pandemic in health care personnel and the general population (Costa Rican Mission to the UN, UCR, UNA).