

**UNITED STATES DISTRICT COURT  
FOR THE DISTRICT OF PUERTO RICO**

**RODRÍGUEZ-VÉLEZ et als.**

**Plaintiff(s)**

**v.**

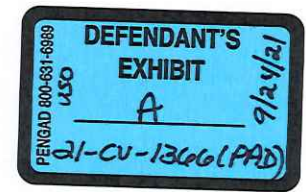
**PIERLUISI-URRUTIA**

**Defendant(s)**

**Case No. 21-CV-1366 (PAD)**

**Defendant's Exhibit List**

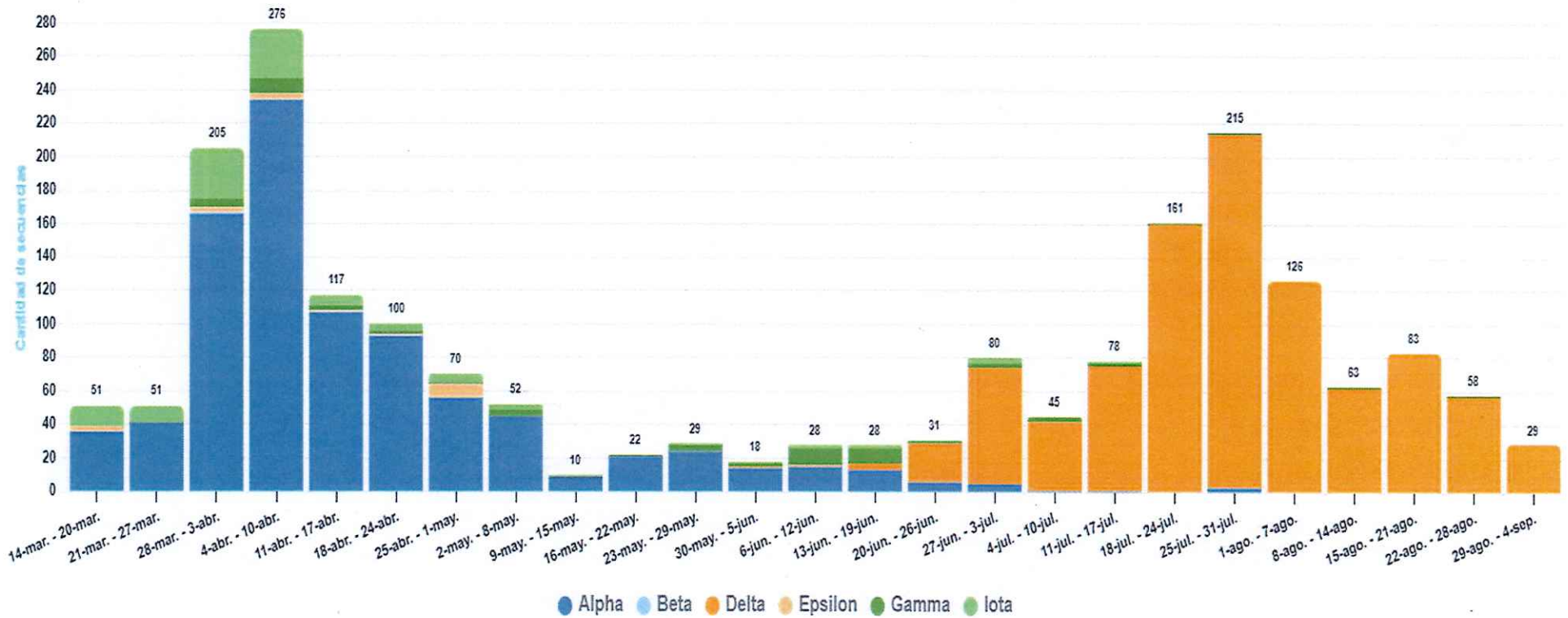
Presiding Judge Pedro A. Delgado-Hernández		Plaintiffs' Attorneys Arturo V. Bauermeister-Fernández Ilya Shapiro José R. Dávila-Acevedo Víctor M. Rivera-Rios		Defendants' Attorney Joel Torres-Ortiz Idza Diaz-Rivera José R. Cintrón-Rodríguez Juan C. Ramírez-Ortiz
Hearing Date 9/21/2021 – 9/30/2021		Court Reporter Cindy L. Brown		Courtroom Deputy Verónica S. Otero-Rivera
ITEM NO. /LETTER	DATE OFFERED	MARKED AS	ADMITTED INTO EVIDENCE	DESCRIPTION
A	9/24/2021	EXHIBIT A	9/24/2021	SARS-CoV-2 Variants in PR, March 14-September 2, 2021 (1 page)
B	9/24/2021	EXHIBIT B	9/24/2021	FDA Vaccine Facts (1 page)
C	9/24/2021	EXHIBIT C	9/24/2021	Covid-19 Confirmed and Probable Cases, and Vaccination Status (1 page)
D	9/24/2021	EXHIBIT D	9/24/2021	Covid-19 Hospitalizations and Vaccination Status, Puerto Rico (1 page)
E	9/24/2021	EXHIBIT E	9/24/2021	Deaths, 100,000 and Vaccination Status (1 page)
F	9/24/2021	EXHIBIT F	9/24/2021	Recent CDC Update on Pregnancy Language (1 page)
G	9/27/2021	EXHIBIT G	9/27/2021	Curriculum vitae for Dr. Melissa Marzan (9 pages)
H	9/28/2021	EXHIBIT H	9/28/2021	CDC-Vaccination offers strong protection against Covid-19 (1 page)
I	9/28/2021	EXHIBIT I	9/28/2021	Growth rate (confirmed and probable cases) 7/1/2021 – 9/25/2021 (1 page) (in the Spanish Language)
J	9/28/2021	EXHIBIT J	9/28/2021	Distribution of cases (confirmed and probable) 7/1/2021 – 9/25/2021 (1 page) (in the Spanish Language)



# SARS-CoV-2 VARIANTS IN PUERTO RICO

March 14 to September 1, 2021

Desde el 14 de marzo de 2021 hasta el 1 de septiembre de 2021



Source: Covid19datos.salud.pr.gov

# FDA VACCINE FACTS

[www.FDA.gov/COVID19vaccines](http://www.FDA.gov/COVID19vaccines)  
#FDAVaccineFacts

## The Path for a COVID-19 Vaccine from Research to Emergency Use Authorization

DEFENDANT'S EXHIBIT  
B  
21-CV-1366(PAD)  
9/30/21  
vso  
PENGAD 800-831-6989

A vaccine manufacturer conducts laboratory research to develop a vaccine candidate.

The manufacturer compiles the results of laboratory research and testing in animals and information about the manufacturing technology and the quality of the vaccine and must submit an Investigational New Drug (IND) application to FDA before beginning human clinical trials. Such a clinical trial in humans is not permitted to proceed without the prior written authorization from FDA.

Clinical trials are conducted to generate data on safety and effectiveness of the vaccine.

A Data Safety Monitoring Board evaluates data from the Phase 3 clinical trial and advises the vaccine manufacturer regarding whether criteria for the pre-specified clinical endpoint, as discussed and agreed to in advance with FDA, has been met for their COVID-19 vaccine.

Company reviews data to determine whether the company's scientists and technical experts believe that the vaccine meets FDA's outlined expectations for safety and effectiveness.

Taking into consideration input from FDA, a company decides whether and when to submit a request for Emergency Use Authorization (EUA) to FDA.

Once submitted, career scientists and physicians in the FDA's Center for Biologics Evaluation and Research (CBER) will evaluate an EUA request taking into account the totality of scientific evidence about the vaccine that is available to FDA.<sup>1</sup>

FDA convenes a public meeting of its Vaccines and Related Biological Products Advisory Committee (VRBPAC) to discuss the data from the clinical trials.

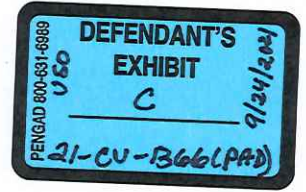
Following the advisory committee meeting, CBER's career professional staff will consider the input of the advisory committee members and continue their evaluation to determine whether the available safety, effectiveness, and manufacturing data support authorization for use of the particular COVID-19 vaccine in the U.S.

If FDA determines that the criteria for an EUA are met, including that the known and potential benefits outweigh the known and potential risks of the vaccine and that the manufacturing information is adequate to ensure its quality and consistency, FDA may authorize the vaccine for emergency use.<sup>2</sup>

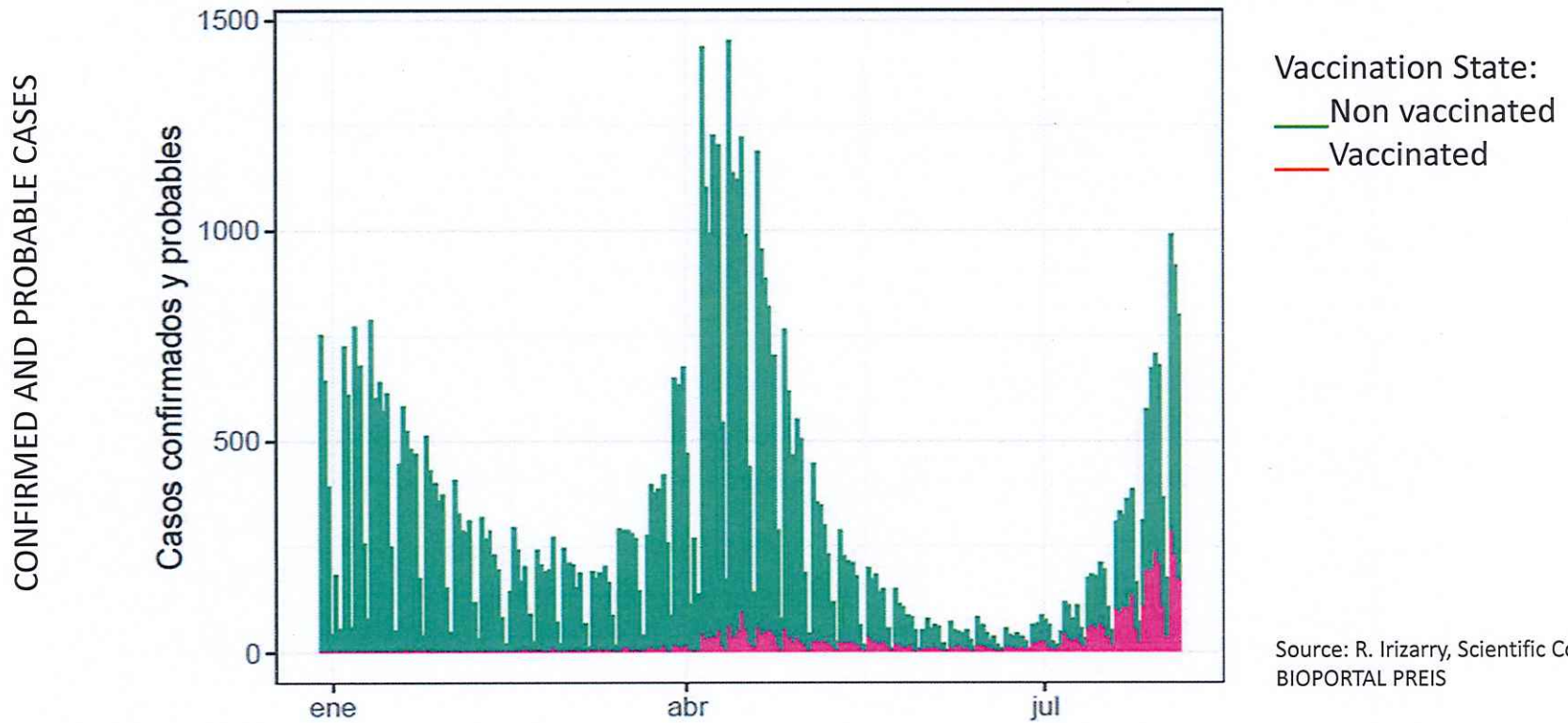
FDA informs the company that its EUA has been authorized.

<sup>1</sup> Part of FDA's evaluation of an EUA request for a COVID-19 vaccine includes evaluation of the chemistry, manufacturing, and controls information for the vaccine. Sufficient data should be submitted to ensure the quality and consistency of the vaccine product. FDA will use all available tools and information, including records reviews, site visits, and previous compliance history, to assess compliance with current good manufacturing practices.

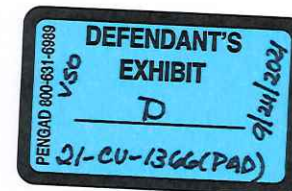
<sup>2</sup> FDA has made clear in its October 2020 guidance entitled Emergency Use Authorization for Vaccines to Prevent COVID-19, that, for a COVID-19 vaccine for which there is adequate manufacturing information to ensure its quality and consistency, issuance of an EUA would require a determination by FDA that the vaccine's benefits outweigh its risks based on data from at least one well-designed Phase 3 clinical trial that demonstrates the vaccine's safety and efficacy in a clear and compelling manner.



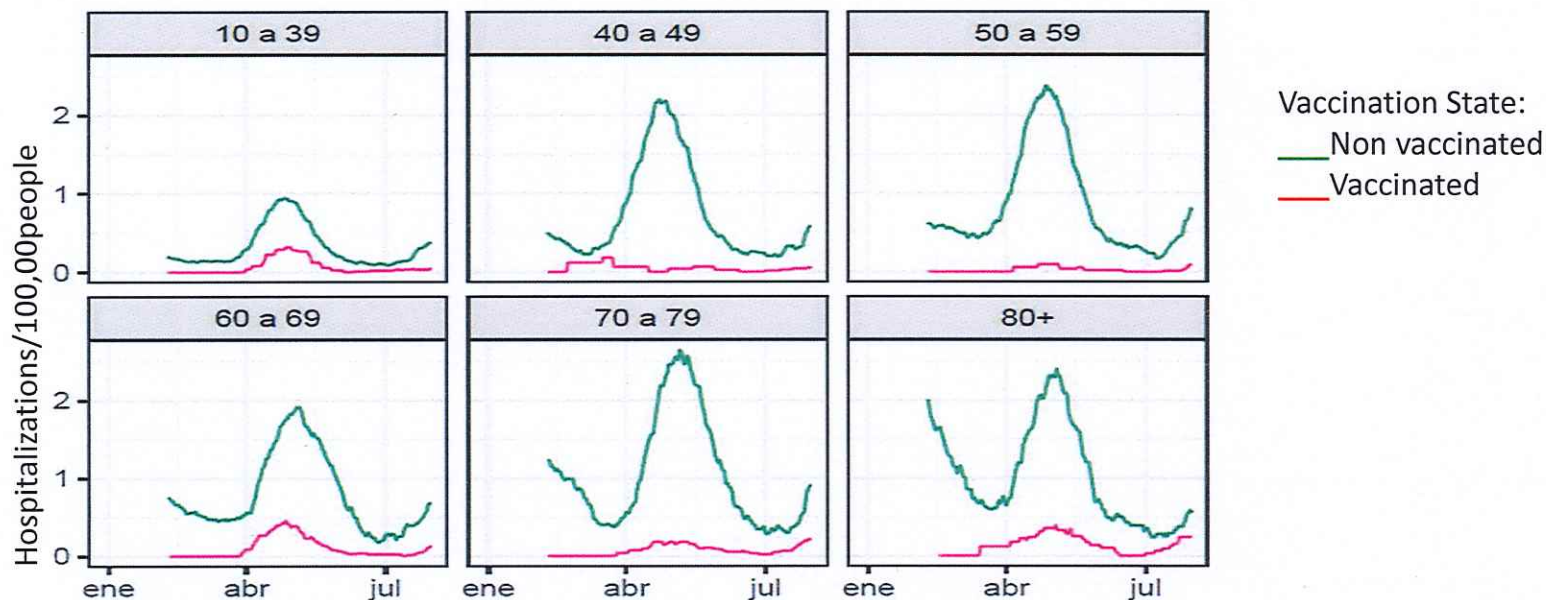
# COVID-19 CONFIRMED CASES AND VACCINATION STATUS PUERTO RICO



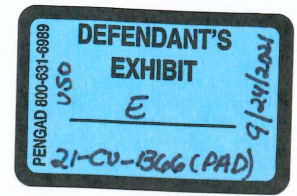
Source: R. Irizarry, Scientific Coalition, PR BIOPORTAL PREIS



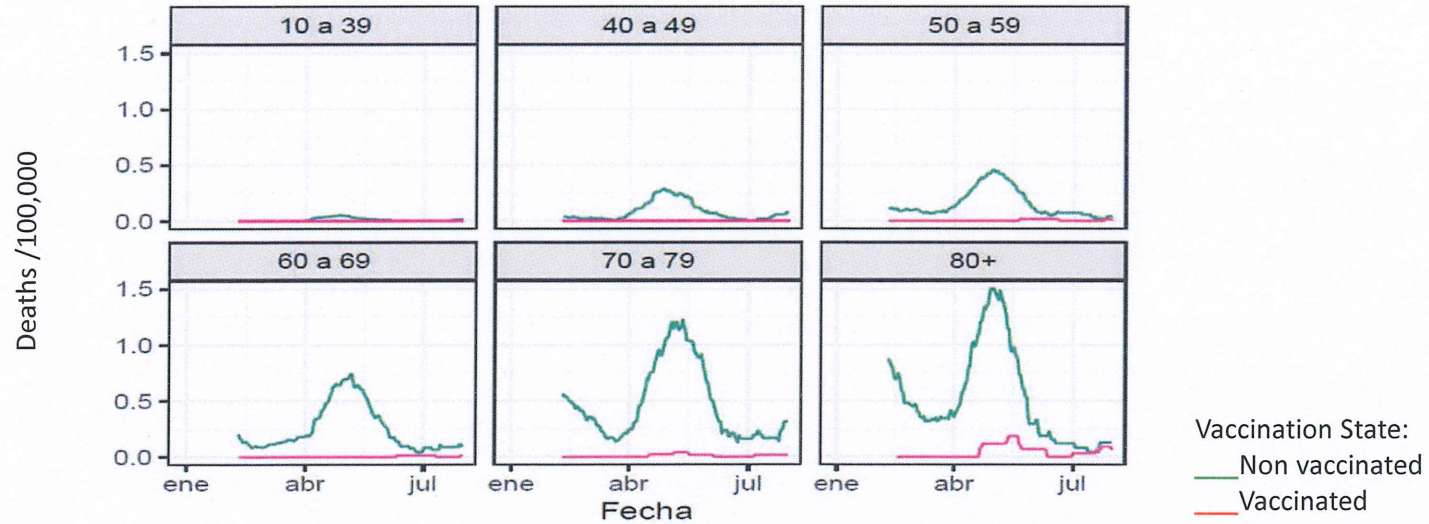
# COVID-19 HOSPITALIZATIONS AND VACCINATION STATUS, PUERTO RICO

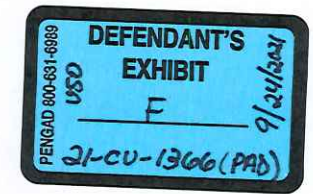


Source: R Irizarry, Scientific Coalition, PR  
BIOPORTAL/PREIS



# DEATHS/100,00 AND VACCINATION STATUS

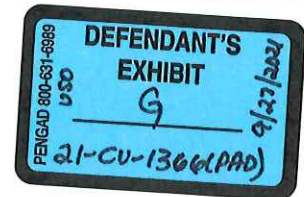




## Recent CDC Update on Pregnancy Language

**COVID-19 vaccination is recommended for all people aged 12 years and older, including people who are pregnant, lactating, trying to get pregnant now, or might become pregnant in the future**

- COVID-19 vaccine safety in pregnancy
  - COVID-19 vaccines do not cause infection in the pregnant person or the fetus
  - No safety signals in animal studies
  - Reassuring early safety data on mRNA COVID-19 vaccines during pregnancy
  - Early data suggest mRNA COVID-19 vaccines during pregnancy are effective
- There is no evidence that any of the COVID-19 vaccines affect current or future fertility
- <https://www.cdc.gov/vaccines/covid-19/clinical-considerations/covid-19-vaccines-us.html> <https://www.idsociety.org/covid-19-real-time-learning-network/CDC-IDSA-COVID-19-Clinician-Calls/>



**MELISSA MARZÁN RODRÍGUEZ**  
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### Educational History

- 2017-2019      **Post Doctoral Research Fellow**  
University of Puerto Rico, Medical Sciences Campus  
Northwestern University, Feinberg School of Medicine  
Training Area: HIV prevention & Implementation Science  
Sponsor: National Institutes on Minorities and Health Disparities (NIMHD)
- 2009-2015      **Doctor of Public Health in Epidemiology**  
Honor Recognition  
Ponce Health Sciences University  
Public Health Program  
Thesis: HIV Mortality and Survival Analysis in Puerto Rico for the period  
2003-2011: A retrospective cohort study.
- 2007-2008      **Master of Public Health in Epidemiology**  
University of Puerto Rico  
Medical Sciences Campus Graduate School of Public Health  
Thesis: Association between exposure to particulate matter from sand and  
gravel industries and respiratory diseases in residents of San Lorenzo, Puerto  
Rico: A cross sectional study.
- 2002-2006      **Bachelor in Arts in Anthropology**  
Magna Cum Laude  
University of Puerto Rico Río Piedras Campus

### Professional Certification

- 2012-Present      **Certified in Public Health (CPH)**  
National Board of Public Health Examiners  
NBPHE #1501

### Awards

- 2018-Present      **Diversity Scholar**  
Adolescent Medicine Trials Network for HIV Prevention Interventions  
Mentor: María Isabel Fernández, Ph.D.  
Sponsor: Eunice Kennedy Shriver National Institute of Child Health and Human  
Development (NICHD)
- 2015              **Excellence Award**  
Public Health Program  
Ponce School of Medicine Foundation



- 2015            **Honor Recognition**  
Public Health Program DrPH  
Ponce Health Sciences University
- 2008-2010      **Trainee.** Research Supplements to Promote Diversity in Health-Related  
Research. Pre-Doctoral Qualitative Methods in Health Research  
Training  
Sponsor: National Institute of Mental Health (NIMH)
- 2002-2006      **Dean's List (top 5 % of the class)**  
University of Puerto Rico, Río Piedras Campus
- 2002-2006      **Scholar.** NIMH Career Opportunities in Research Program  
University of Puerto Rico, Río Piedras Campus

### Academia

- 2015-Present    **Assistant Professor.** Public Health Program. Ponce Health Sciences  
University. Ponce, Puerto Rico  
Supervisor: Dr. Vivian Green
- 2019-Present    **Adjunct Assistant Professor.** School of Public Health. University of Puerto  
Rico, Medical Sciences Campus. San Juan, Puerto Rico  
Supervisor: Dr. Souhail Malavé
- 2015-Present    **Assistant Professor.** Clinical Psychology Program. Ponce Health Sciences  
University. Ponce, Puerto Rico  
Supervisor: Dr. Jose Pons Madera
- 2015-2019      **MPH-Epidemiology Program Coordinator.** Ponce Health Sciences University  
Public Health Programs. Ponce, Puerto Rico  
Supervisor: Dr. Vivian Green
- 2009            **Instructor.** University of Puerto Rico in Carolina. Department of Social  
Sciences and Criminal Justice. Carolina, Puerto Rico  
Supervisor: Prof. Juan Bonilla

### Public Health Practice

- 2021-Present    **Chief Epidemiology Officer.** Puerto Rico Department of Health.
- 2020-Present    **Member.** COVID-19 Response in Puerto Rico. Health Taskforce of the South.
- 2018-Present    **Epidemiologist.** CDC Zika Response in Puerto Rico. Caduceus Healthcare, Inc  
& CDC San Juan Quarantine Station; Division of Global Migration & Quarantine.  
Supervisors: Carolina Luna Pinto, MPHE & Rebecca Ramos, JD
- 2013-2016      **Field Director.** PACTo Project: Enhanced HIV Care Access and Retention for  
Drug Users in San Juan, Puerto Rico. AIDS Surveillance. Puerto Rico  
Department of Health & Columbia University.  
Supervisors: Sandra Miranda, MPH; Paco Castellón, MPH

2008 & 2010-2013 **Field Supervisor.** AIDS Surveillance. National HIV Behavioral Surveillance-NHBS. Department of Health, San Juan, Puerto Rico  
Supervisor: Sandra Miranda, MPH

2008 & 2010-2013 **Ethnographer.** AIDS Surveillance. National HIV Behavioral Surveillance-NHBS. Department of Health, San Juan, Puerto Rico  
Supervisor: Sandra Miranda, MPH

### Funded Research Projects

2020-Present **Multiple Principal Investigator.** NIH-RADxUP Project #46.  
2020-Present **Multiple Principal Investigator.** MCC-PHSU U54 Pilot Project.  
2018-Present **Principal Investigator (Subaward).** Adolescents Medicine Trials Network- Pilot Project.  
2020-Present **Principal Investigator.** Puerto Rico Public Health Trust-COVID19 Emergency funds.  
2018-Present **Co-Investigator.** NIMHD-R21 Resilience Factors associated to Hurricanes Irma & Maria in the HIV healthcare services.  
2017-2019 **Principal Investigator (Subaward).** NIMHD-U01 Supplement for Postdoctoral Training.

### Scientific Activities

2008-Present **Abstract Reviewer.** International AIDS Conference. International AIDS Society.  
2019 **Co-Chair.** Session: 4G: Gaming, Grindr and getting the goods. International Conference on HIV Science. International AIDS Society.  
2015-2016 **Abstract Mentor Programme.** International AIDS Conference. International AIDS Society.

### Trainings

2021 **COVID-19 Equity Academy.** National Institutes on Minorities and Health Disparities (NIMHD).  
2018 **Implementation Science & Dissemination Certification.** Training Institute for Dissemination and Implementation Research Health. National Institutes of Health (NIH).

### Professional Affiliations

2011-Present **Member.** American Public Health Association Member.  
2018- Present **Member.** International AIDS Society.  
2007-2008 **Member.** Epidemiology and Biostatistics Student Association.  
2004-2006 **Member.** National Society of Collegiate Scholars.

## Presentations

**Marzan-Rodriguez, M.,** Jimenez, J., Morales, LM., Castro, E., Rosario, F., Velez, D., Ramos, A., Asencio, G., & Matos, J. (2021, February). *A community response for COVID-19 community transmission*. Poster presentation at: 2021 RCMI National Conference. Ponce Health Sciences University, RCMI-CEC.

Matos, J. , Ramos, A ., Rosa-Jiménez. A., Beauchamp-Lebrón, A., Morales, LM., Castro, E., Rosario, F., Velez, D., Asencio, G., **Marzan-Rodriguez, M.,** & Jimenez, J. (2021, February). *Focus group discussion around community's health issues*. Poster presentation at: 2021 RCMI National Conference. Ponce Health Sciences University, RCMI-CEC.

**Marzan-Rodriguez, M.** (2021, February). *Epi-Net: Accelerating COVID-19 diagnostics among socially vulnerable communities*. Oral presentation at: 6<sup>th</sup> Menonita Medical Congress. San Juan, PR.

**Marzán-Rodríguez, M.,** Christy, S., Brito, L., Gonzalez, C., Perez, A., Perez, C., Jimenez, J, & Vadaparampil, S. (2020, October). *Facilitators and Barriers to HPV Vaccination among Young Latino Men who have Sex with Men: A Systematic Review*. Presented as poster presentation at 2020 International Cancer Education Conference (virtual).

**Marzán-Rodríguez, M.,** Rodríguez-Díaz, C., Jovet, G., Miranda De León, S., & Rivera-Malave, S. (2020). *Assessment of health-related outcomes in PLWH in Puerto Rico after the Hurricanes Irma and Maria*. E-poster: at 23<sup>rd</sup> International AIDS Conference. San Francisco, CA.

**Marzán-Rodríguez, M.,** Mercedes, A., Rivera, A., & Rodríguez-Díaz, C. (2019). *Implementation Science framework to identify facilitators and barriers for an eHealth HIV prevention program for Spanish-speaking adolescents men who have sex with men in Puerto Rico*. Oral Presentation at 39th Research and Education Forum, Medical Sciences Campus, University of Puerto Rico. San Juan, Puerto Rico.

Santiago-Rodríguez, E., Martínez-Vélez, J.J., **Marzán-Rodríguez, M.,** & Rodríguez-Díaz, C. (2018). *Do ask and do tell: Providing capacity on LGBT Health to mental health providers*. Poster Presentation at American Public Health Association Conference. San Diego, California.

**Marzán-Rodríguez, M.,** Santiago-Rodríguez, E., Malavé-Rivera, S., Vargas-Molina, R., & Rodríguez-Díaz, C. (2018). *HIV response in the midst of natural disasters and a humanitarian crisis: The case of Puerto Rico*. Poster Presentation at 22nd International AIDS Conference. Amsterdam, Netherlands.

Luna-Pinto, C., **Marzán-Rodríguez, M.,** Fonseca-Ford M., Prue, C., Hernandez-Burgos, J., Olano, H.A., Marrero-Padilla, C., & Rivera-Garcia, B. (May, 2017). *Evaluation of Zika health messages at ports of entry in Puerto Rico*. Poster Presentation at the International Society of Travel Medicine Conference. Barcelona, Spain.

Castellon, P., Cardenas, G., **Marzán-Rodríguez, M.,** Miranda-De León, M., Santana-Bagur, J., Rodriguez, A., Feaster, D., & Metsch, L. (November, 2016). *HIV care outcomes among injectors and non-injectors in San Juan, Puerto Rico*. Poster Presentation at American Public Health Conference. Denver, Colorado.

**Marzán-Rodríguez, M.**, Castellon, P., Miranda-De León, M., Vargas-Vidot, J., Feaster, D., Santana-Bagur, J., & Metsch, L. (May, 2016). *Proyecto PACTo: Implementing and Evaluating a Community-level, Structured Approach to Enhance HIV Care Access and Retention for Substance Users in San Juan, Puerto Rico*. Poster Presentation at 5th Puerto Rico Public Health Conference. San Juan, Puerto Rico.

**Marzán-Rodríguez, M.**, Zavala, D.E., Orengo, J.C., Varas-Díaz, N., & Miranda de León, S. (August, 2015). *Mortality analysis in people diagnosed with HIV/AIDS in Puerto Rico from 2003-2011*. Oral Presentation at 3th International Conference on Epidemiology & Public Health. Valencia, Spain.

**Marzán-Rodríguez, M.**, Zavala, D.E., Orengo, J.C., Varas-Díaz, N., & Miranda de León, S. (August, 2015). *Survival analysis in people diagnosed with HIV/AIDS in Puerto Rico from 2003-2011*. Poster Presentation at 3th International Conference on Epidemiology & Public Health. Valencia, Spain.

**Marzán-Rodríguez, M.**, & Varas-Díaz, N. (October, 2012). *Definición y manejo de estigma hacia el VIH/SIDA post intervención de reducción*. Oral Presentation at V Congreso Iberoamericano de Análisis Cualitativo en Salud. Lisboa, Portugal.

Betancourt-Díaz, E., **Marzán-Rodríguez, M.**, & Varas-Díaz, N. (October, 2012). *Experiencias de estudiantes de medicina durante intervención de reducción de estigma hacia el VIH/SIDA*. Oral Presentation at V Congreso Iberoamericano de Análisis Cualitativo en Salud. Lisboa, Portugal.

Nawab, S., Vazquez, J., Acevedo, M., & **Marzán-Rodríguez, M.** (November 18-21, 2011). *Low CD 4 T cell count in uninfected HIV exposed infants in association with anti-retroviral therapy exposure during pregnancy in San Juan Hospital*. Oral Presentation at 2011 HIV Caribbean Conference. Nassau, Bahamas.

Cintrón-Bou, F., **Marzán-Rodríguez, M.** & Varas-Díaz, N. (November 18- 21, 2011). *Emotions and HIV related stigma: Impacting health professionals in Puerto Rico*. Oral Presentation at 2011 HIV Caribbean Conference. Nassau, Bahamas.

**Marzán-Rodríguez, M.**, & Varas, Díaz, N. (July, 2011). *Understanding socio- structural factors in the HIV epidemic as part of a stigma reduction strategy with medical students in Puerto Rico*. ePoster at International AIDS Society, 2011. Rome, Italy.

Nawab, S., Acevedo, M., & **Marzán-Rodríguez, M.** (July, 2011). *Low CD 4 T cell count in uninfected HIV exposed infants in association with anti-retroviral therapy exposure during pregnancy in San Juan Hospital*. ePoster at International AIDS Society, 2011. Rome, Italy.

Nawab, S., Vázquez, J. L., Acevedo, M., & **Marzán-Rodríguez, M.** (September 25, 2010). *Low CD 4 T cell count in uninfected HIV exposed infants in association with anti-retroviral therapy exposure during pregnancy in San Juan Hospital*. Oral Presentation at Convención Anual de Pediatría de Puerto Rico. San Juan, Puerto Rico.

**Marzán-Rodríguez, M.**, & Varas, Díaz, N. (September 9-11, 2010). *Factores socio-estructurales y VIH: Experiencias de estudiantes de medicina en una intervención de*

*reducción de estigma de VIH/SIDA*. Oral Presentation at IV Congreso Iberoamericano de Investigación Cualitativa en Salud. Fortaleza, Brasil.

**Marzán-Rodríguez, M.**, & Varas-Díaz, N. (May 13-15, 2010) *Using qualitative methods to assess HIV/AIDS stigma reduction among medical students*. Oral Presentation at 27th Annual Qualitative Analysis Conference: Social Pragmatism as a Conceptual Foundation. Brantford, Ontario, Canadá.

Pascual Marrero, A.M., Pascual Marrero, J., **Marzán-Rodríguez, M.**, et al. (November, 2009). *Association between exposure to particulate matter from sand and gravel industries and respiratory diseases in residents of San Lorenzo, Puerto Rico: A cross sectional study*. Poster Presentation at 137<sup>th</sup> APHA Annual Meeting. Philadelphia, Pennsylvania.

Pascual Marrero, A., et al. (April, 2009). *Crosssectional study on the association between exposure to particulate matter and respiratory diseases among residents from the San Lorenzo municipality, Puerto Rico, 2008*. XXIX Research and Education Forum, Medical Sciences Campus, University of Puerto Rico. San Juan, Puerto Rico.

**Marzán-Rodríguez, M.**, Cintrón Bou, F., & Varas-Díaz, N. (June, 2009). *Más que responsabilidad individual: Estigma, VIH y factores socio-estructurales*. Oral Presentation at XXII Congreso Interamericano de Psicología. Ciudad de Guatemala, Guatemala.

Malavé Rivera, S., **Marzán-Rodríguez, M.**, & González Arias, R. (June, 2009). *El rol del cuerpo en la estigmatización del VIH/SIDA*. Oral Presentation at XXII Congreso Interamericano de Psicología. Ciudad de Guatemala, Guatemala.

**Marzán-Rodríguez, M.**, & Varas-Díaz, N. (May, 2008). *Un acercamiento cualitativo a las emociones y el estigma: El VIH/SIDA en Puerto Rico como ejemplo*. Oral Presentation at III Congreso Iberoamericano de Investigación Cualitativa en Salud. San Juan, Puerto Rico.

**Marzán-Rodríguez, M.**, & Varas-Díaz, N. (June, 2006). *A mixed method approach for studying emotions and AIDS stigma among health profession students in Puerto Rico*. Poster Presentation at Society of Social History of Medicine Annual Conference 2006, Practices and representations of health: Historical perspectives. Coventry, Birmingham, England.

**Marzán-Rodríguez, M.**, & Varas-Díaz, N. (November, 2005). *Emotions: An obstacle or facilitator in the stigmatization of HIV/AIDS in Puerto Rico*. Oral Presentation at the COR Colloquium 2005. Atlanta, Georgia.

**Marzán-Rodríguez, M.**, & Barker, Judith C. (August, 2005). *Gender Differences in Older Mexican-Americans Smoking Behaviors*. Poster session at Summer Research Training Program at the University of California, San Francisco. USA.

**Marzán-Rodríguez, M.**, & Barker, Judith C. (August, 2005). *Gender Differences in Older Mexican-Americans Smoking Behaviors*. Oral presentation at Summer Research Training Program at the University of California, San Francisco. USA.

**Marzán-Rodríguez, M.**, Ruiz-Torres, Y., & Varas-Díaz, N. (June, 2005). *Emociones, diferencia y estigma: ¿Qué nos evoca el VIH/SIDA a los/as profesionales de la salud?* Poster session at XXX Congreso Interamericano de Psicología de la Sociedad Interamericana de Psicología, Buenos Aires, Argentina.

**Marzán-Rodríguez, M.,** Rosselló, J., Jiménez, M.I., & Sáez, E. (November, 2004). *The Relationship between socioeconomic status, self-care and metabolic control in Puerto Rican youth with type 1diabetes*. Poster session at COR Colloquium, November 2004. San Juan, Puerto Rico.

#### **Published Manuscripts in Peer Review Journals**

**Marzán-Rodríguez, M.** (In Press). Una mirada desde los Determinantes Sociales de la Salud a la epidemiología del COVID-19 en Puerto Rico. [In Spanish]. *Revista Salud y Sociedad*.

**Marzán-Rodríguez, M.,** Lugo-Hernández, E.A., Morales, L.M., & Martinez, I. (Manuscript Preparation). Fortaleciendo alianzas para enfrentar las Emergencias de Salud Pública en Puerto Rico: Una mirada desde la epidemiología social. Memorias de la Convención Anual de la Asociación de Psicología de Puerto Rico 2020.

Rodríguez-Díaz, C., **Marzán-Rodríguez, M.,** Mustanski, B., Macapagal, K., & Malavé-Rivera, S. (Under review). Ethical considerations for research with young sexual minorities and opportunities to reduce HIV disparities in Puerto Rico. *Puerto Rico Health Sciences Journal*.

**Marzán-Rodríguez, M.,** Rodríguez-Díaz, C., & Mustanski, B. (2020). Health HIV prevention among Spanish-speaking adolescent men who have sex with men: A systematic review of the literature and recommendations for the development of interventions. *Sexuality Research & Social Policy*.

**Marzán-Rodríguez, M.,** et al. (2020). Syndromic Surveillance in Puerto Rico during COVID19 response: An alternative approach to scarce molecular testing. *American Journal of Public Health*. DOI: 10.2105/AJPH.2020.305805.

Rodríguez-Díaz, C. E., Guilamo-Ramos, V., Mena, L., Hall, E., Honermann, B., Crowley, J. S., Baral, S., Prado, G. J., **Marzan-Rodriguez, M.,** Beyrer, C., Sullivan, P. S., & Millett, G. A. (2020). Risk for COVID-19 infection and death among Latinos in the United States: Examining heterogeneity in transmission dynamics. *Annals of epidemiology*, S1047-2797(20)30267-2. Advance online publication. <https://doi.org/10.1016/j.annepidem.2020.07.007>

**Marzán-Rodríguez, M.,** Zavala, D.E., Orengo, J.C., Varas-Díaz, N., Miranda de León, S., Acevedo-Díaz, E. (2018). Survival analysis in people diagnosed with HIV/AIDS in Puerto Rico from 2003-2011 [In Spanish]. *Revista Puertorriqueña de Medicina y Salud Pública*, 66; 8-14.

Cintrón Bou, F., Varas Díaz, N., **Marzán-Rodríguez, M.,** & Neilands, T.B. (2016). Experiencias de estudiantes de medicina: Intervención para reducir estigma relacionado al VIH/SIDA. [In spanish]. *Revista Interamericana de Psicología*, 50 (1): 137-148.

**Marzán-Rodríguez, M.,** Varas Díaz, N, & Neilands, T.B. (2015). Qualitative contributions to a randomized controlled trial addressing HIV/AIDS-Stigma in medical students. *The Qualitative Report*, 20 (12): 2012-2024.

**Marzán-Rodríguez, M.,** Rodríguez-Madera, S., & Varas Díaz, N. (2014). Stigma and homophobia: Persistent challenges for HIV prevention among young MSM in Puerto Rico.

*Revista de Ciencias Sociales*, 26 (2013): 50-59.

Varas Díaz, N., Neilands, T.B., Cintrón Bou, F., **Marzán-Rodríguez, M.**, Santos-Figueroa, A., & Santiago-Negrón, S., Marques, D. & Rodríguez- Madera, S. (2013). Testing the efficacy of an HIV stigma reduction intervention with medical students in Puerto Rico: The SPACES project. *Journal of the International AIDS Society*, 16 (2).

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VSO  
DEFENDANT'S  
EXHIBIT  
H  
9/28/2021  
21-cv-1366(PAD)

After Delta became the most common variant,\*  
fully vaccinated people had reduced risk<sup>†</sup> of...

INFECTION

**5X**

HOSPITALIZATION

**>10X**

DEATH

**>10X**

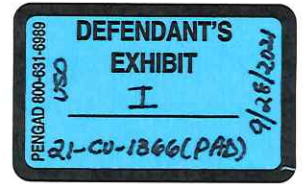
**Vaccination offers strong  
protection against COVID-19**



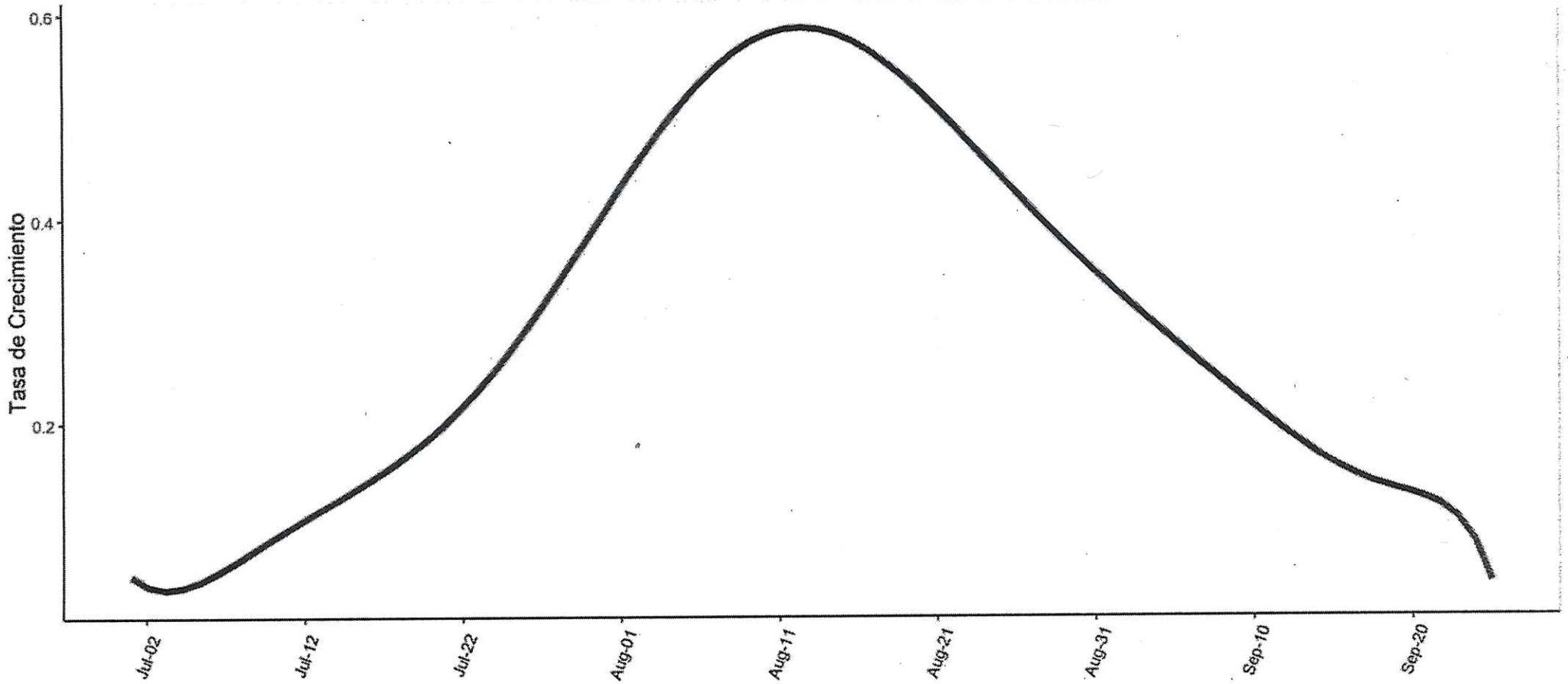
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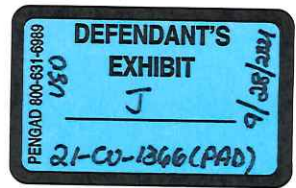
\* June 20-July 17, 2021  
<sup>†</sup> Compared with people not fully vaccinated

**MMWR**



Tasa de crecimiento (confirmados + probables)  
por fecha de toma de muestra desde 1 de julio al 25 de septiembre de 2021





Distribucion de casos (confirmados + probables)  
por fecha de toma de muestra desde 1 de julio al 25 de septiembre de 2021

