



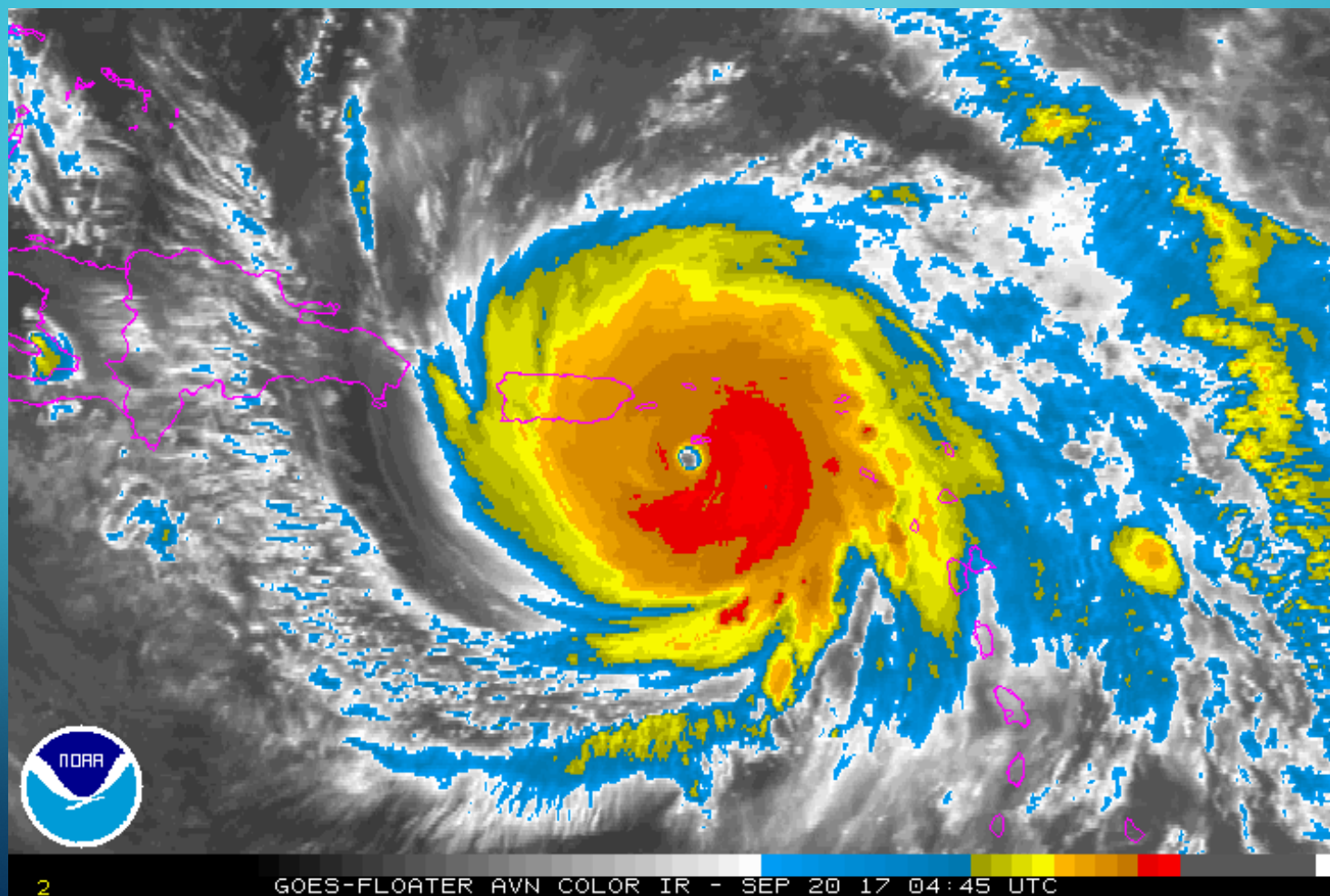
2019 AACEM/AAAEM ANNUAL RETREAT CARLOS GARCIA-GUBERN

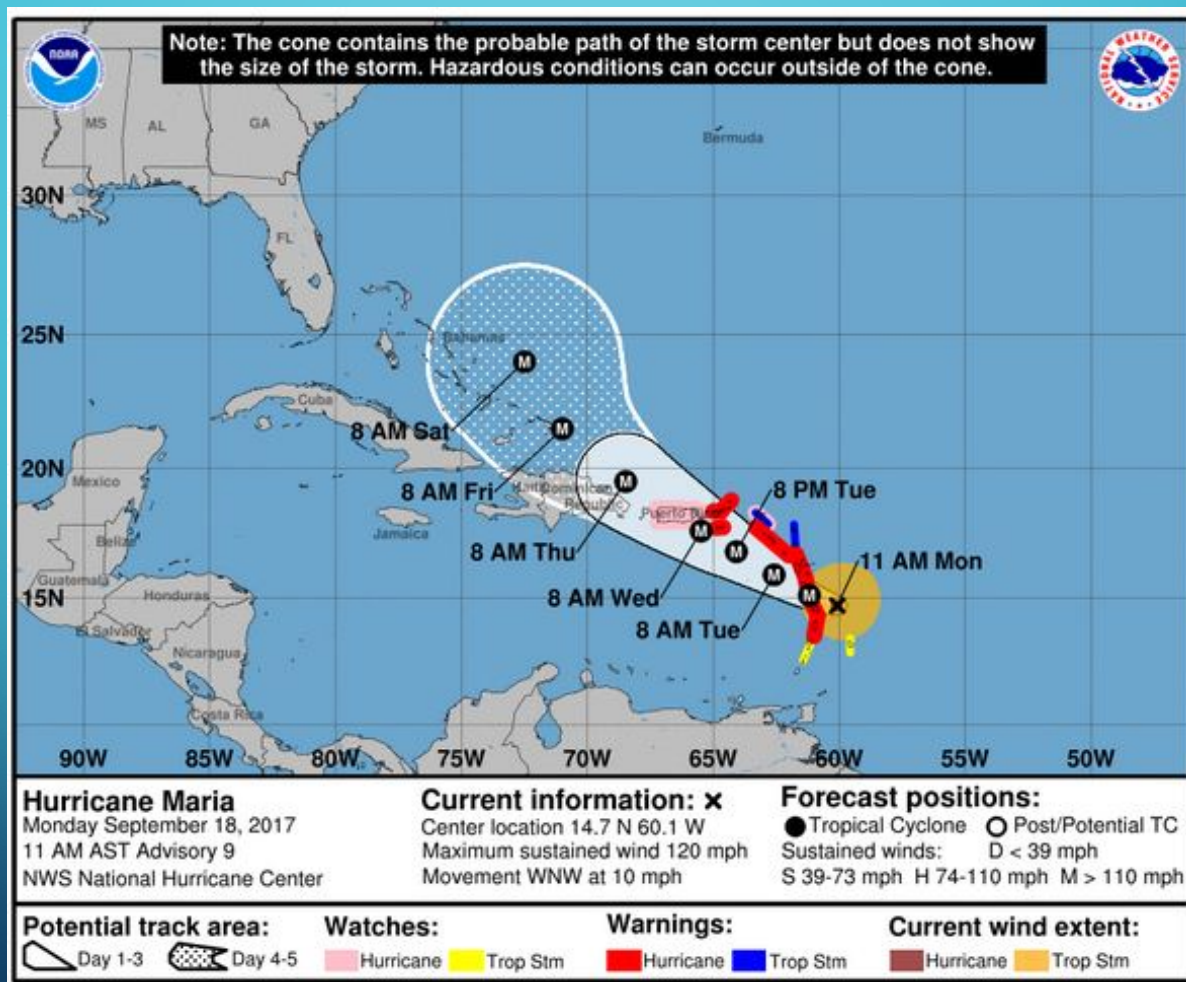
DEPARTMENT CHAIR

EMERGENCY MEDICINE PROGRAM DIRECTOR

PONCE HEALTH SCIENCES UNIVERSITY

HOSPITAL SAN LUCAS PONCE





MARIA'S AFTERMATH



TOTAL DEATHS-
2975



THE LARGEST
BLACKOUT IN US
HISTORY 3 MILLION
PEOPLE FOR 30
DAYS



MASSIVE
EXODUS-
150,000+ IN
2018



TOTAL COST-
94.4 BILLION
DOLLARS



BACK TO BACK
CATEGORY 4
HURRICANES 2
WEEKS APART



AMOUNT OF
DEBRIS COULD FILL
YANKEE STADIUM 7
TIMES

MARIA'S AFTERMATH



Largest sea bridge operation of federal disaster aid in US history



Largest disaster generator installation mission in US history



Longest sustained domestic air missions of food and water response in US history



One of the largest disaster housing missions and medical response missions in US history







RESILIENCY

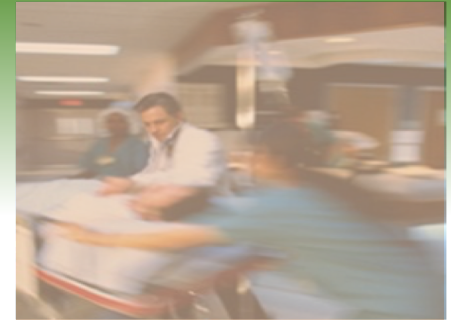


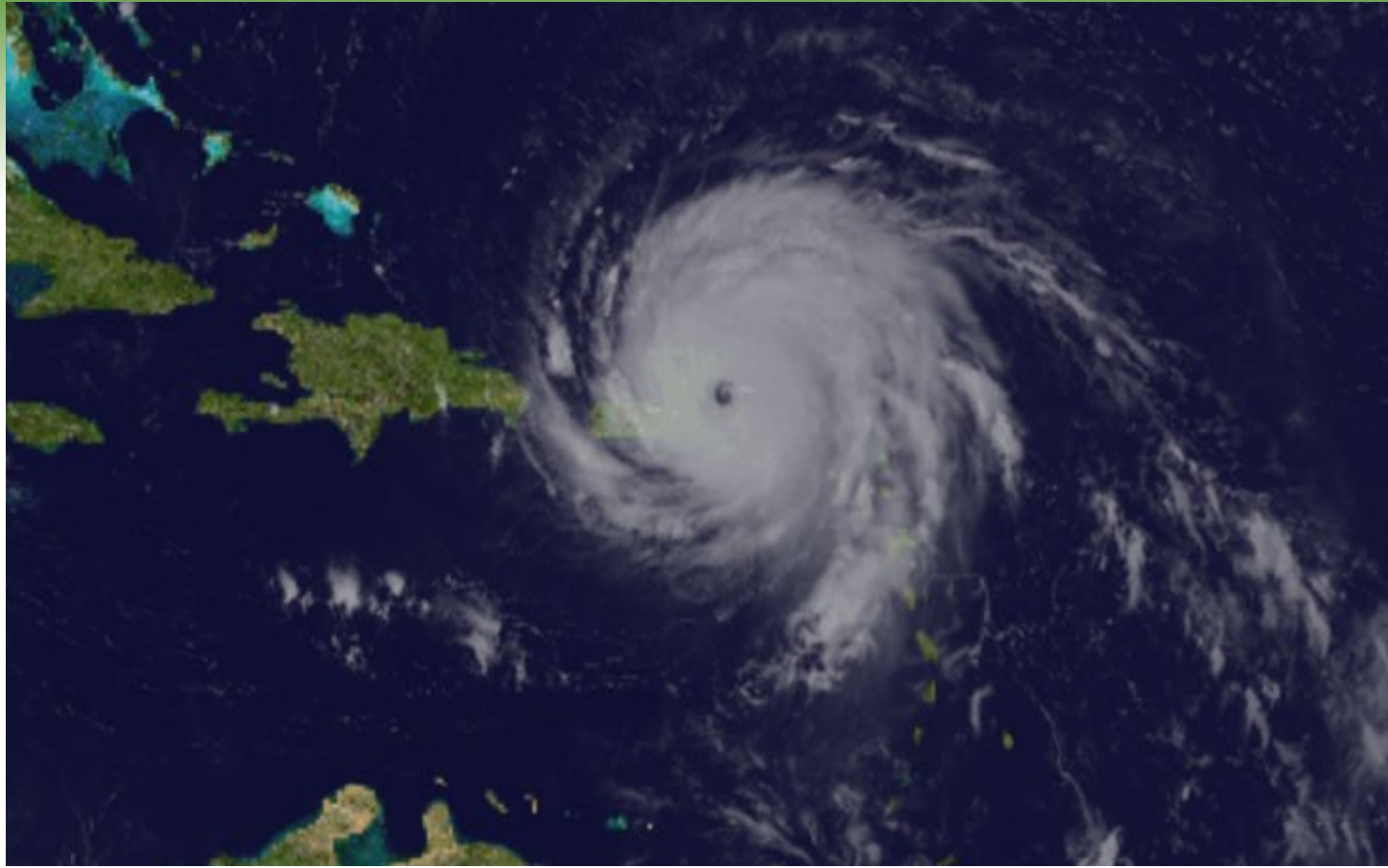


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MEDICINE**

Emergency Medicine in Puerto Rico after 2017 Hurricanes

Maria Ramos-Fernandez, MD, MSc, FACEP
Program Director UPR Emergency Medicine
Juan Gonzalez Sanchez MD, FACEP
Chair UPR Emergency Medicine

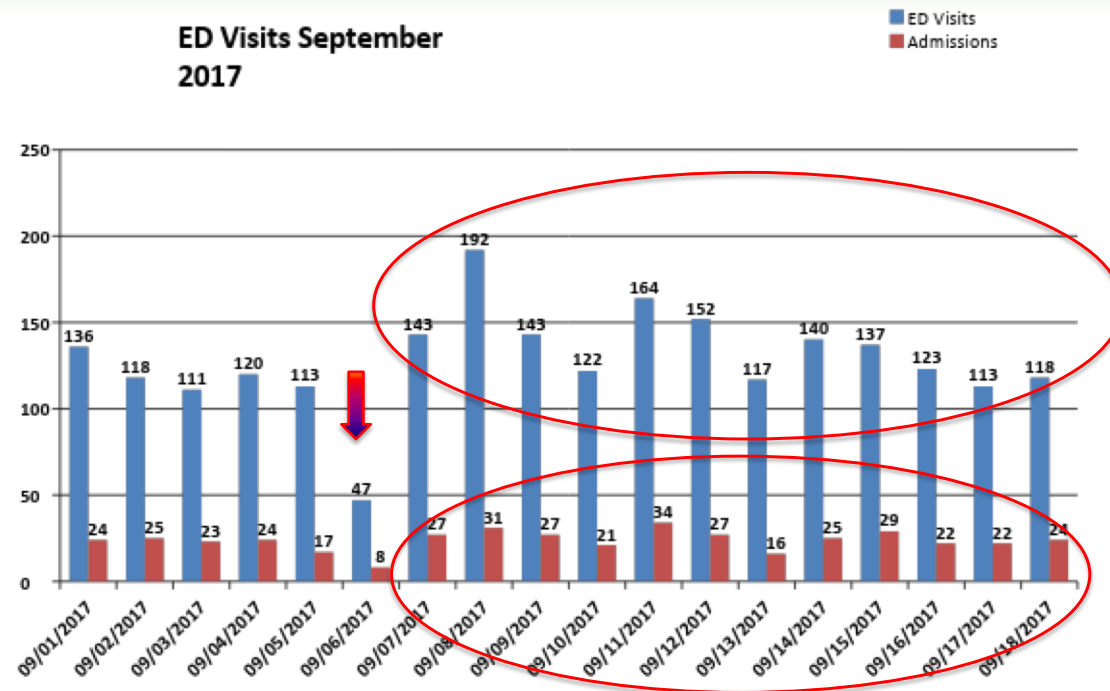




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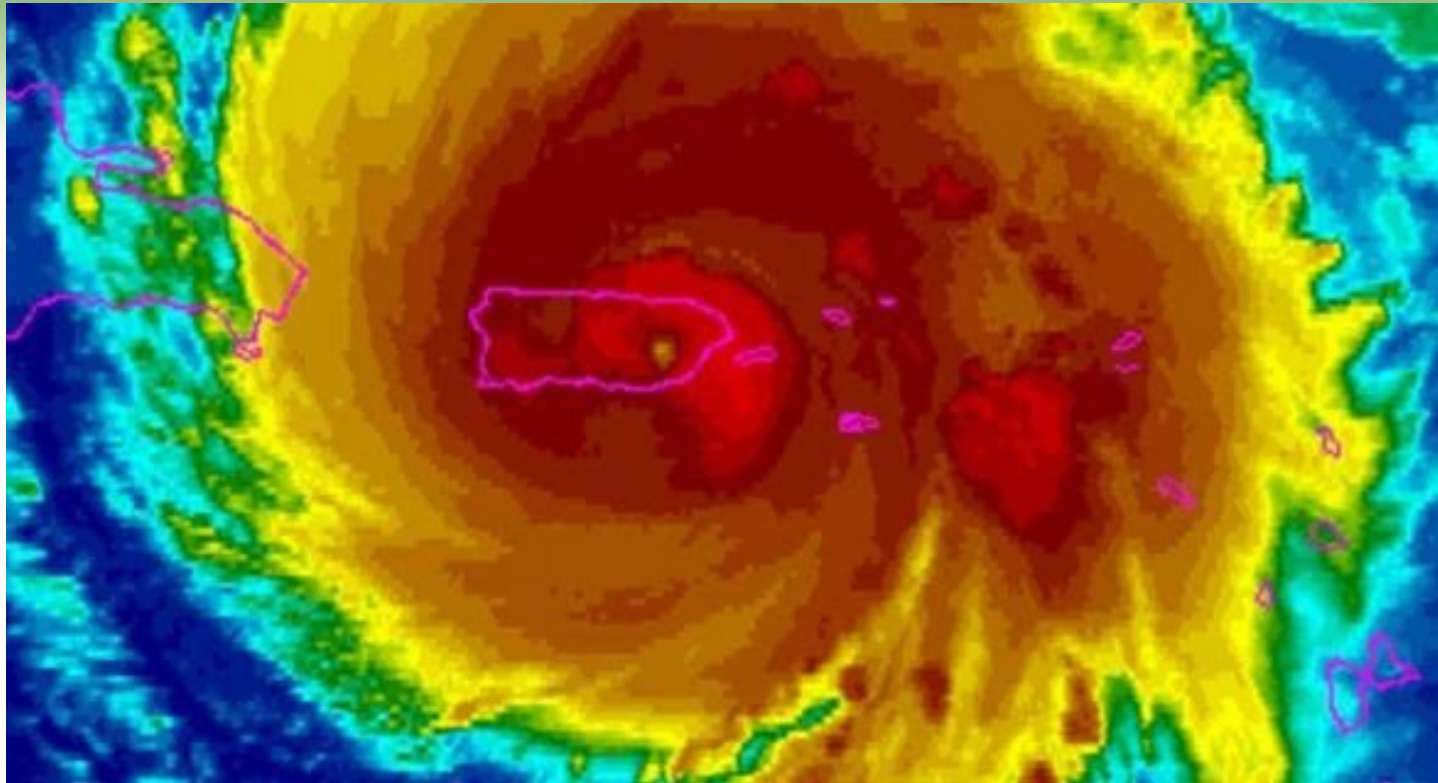
Impacto Huracán Irma

ED Visits September
2017





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Residency Program

- GMEC asked for residency schedules and plan
- Residents shift preferences were accommodated
- Main mode of communication: whats app, email, text







UPR Hospital



Aftermath Snapshot

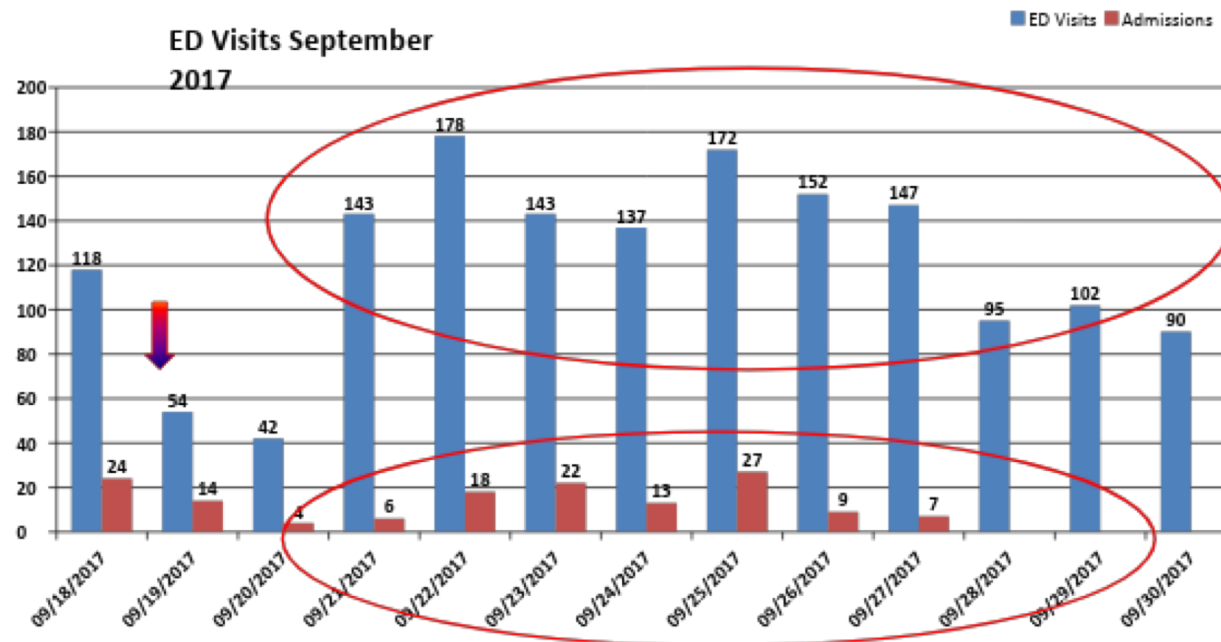




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Impacto Huracán Maria





Resident Survey: Worked Well

- Communication between faculty and residents
- Debriefing
- Academic Activity



Resident Survey: Needs Improvement

- Food availability
- Preparedness time
- More resident rooms



Institutional: Needs Improvement

- Food availability for staff
- Management of Donations
- Resident/Faculty room availability
- Security
- Communication with Administrative personnel



Lessons Learned

Pre-storm

- Evacuation Plan
- EMS availability
- Communication network
- Equipment retrieval



Lessons Learned

Post-storm

- Communication system with other hospitals
- Smoother referral systems
- Communication with dialysis center



The NEW ENGLAND JOURNAL of MEDICINE

CORRESPONDENCE

Mortality in Puerto Rico after Hurricane Maria

How Many Walked Through the Door?
*The Effect of Hurricane Katrina Evacuees on Houston
Emergency Departments*

Karoline Mortensen, PhD, and Zachary Dreyfuss, BA†*



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State of Academic EM in PR



Special Thanks to:
CORD
ROSH
Florida Hospital
Doctoras Boricuas
UPR Alumni
ACEP



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Things which matter most
must never be at the mercy
of things which matter least.

Johann Wolfgang von Goethe

quote fancy



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Questions ???



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