The Immunization Resources for Undergraduate Nursing (IRUN) project is a collaboration of:
- Association for Prevention Teaching and Research (APTR)
- APTR’s Committee on Integration of Immunization into Undergraduate Nursing Curriculum (CIUIN)
- Communication and Education Branch (CEB), Immunization Services Division of the National Center for Immunization and Respiratory Diseases

CIUIN
- Established in 2015, CIUIN is a committee of experts with diverse nursing perspectives.
- The Immunization Education in Nursing (IRUN) project is a collaboration of:
  - The Immunization Resources for Undergraduate Nursing (IRUN) Project
  - The Immunization Education in Nursing (IRUN) Project
  - The Immunization Education in Nursing (IRUN) Project
  - The Immunization Education in Nursing (IRUN) Project

IRUN framework
- Immunization resources website populated with teaching tools using the framework as the project resources, including: framework, teaching resources (case studies and presentation slides), and website.

Case studies
- CDC Immunization course slides adapted for undergraduate nursing

Presentation slides
- Hepatitis B Virus
- Hepatitis C Virus
- Hepatitis D Virus
- Hepatitis E Virus

Hepatitis B Virus
- Hepatitis B virus (HBV) is a highly contagious, bloodborne virus.
- HBV is transmitted through contact with infected body fluids.
- The virus causes liver inflammation and damage, which can lead to liver cirrhosis and liver cancer.

Hepatitis C Virus
- Hepatitis C virus (HCV) is a bloodborne virus.
- HCV is transmitted through contact with infected blood.
- The virus causes liver inflammation and damage, which can lead to liver cirrhosis and liver cancer.

Hepatitis D Virus
- Hepatitis D virus (HDV) is a bloodborne virus.
- HDV is transmitted through contact with infected blood.
- The virus causes liver inflammation and damage, which can lead to liver cirrhosis and liver cancer.

Hepatitis E Virus
- Hepatitis E virus (HEV) is a bloodborne virus.
- HEV is transmitted through contact with infected food.
- The virus causes liver inflammation and damage, which can lead to liver cirrhosis and liver cancer.

Next steps
1. Publish IRUN Framework
2. Finalize case studies and presentation slides
3. Develop a marketing plan for the IRUN resources
4. Develop evaluation plan for the IRUN project

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