

POST-EXPOSURE PROPHYLAXIS (PEP) FOR HIV IN THE ERA OF PRE-EXPOSURE PROPHYLAXIS: EFFECTIVENESS, SAFETY, AND PATIENT OUTCOMES HUMAN IMMUNODEFICIENCY VIRUS

I. GUERRERO FERIA, E. PÉREZ GARCÍA, A. SANCHEZ CERVIÑO A. MARTÍN SANTAMARÍA, P. DE ESPAÑA ZAFORTEZA, L. HERRERO COLLADO, C. FOLGUERA OLIAS, A. DIAZ DE SANTIAGO
HOSPITAL PHARMACY DEPARTMENT, PUERTA DE HIERRO UNIVERSITY HOSPITAL, SPAIN

BACKGROUND AND IMPORTANCE

PEP IS A KEY STRATEGY TO PREVENT HIV INFECTION AFTER ACCIDENTAL EXPOSURE. UNLIKE PRE-EXPOSURE PROPHYLAXIS (PREP), WHICH IS INDICATED FOR INDIVIDUALS AT ONGOING RISK, PEP IS PRESCRIBED FOR THOSE EXPOSED TO A SINGLE HIGH-RISK EVENT. ALTHOUGH ITS EFFECTIVENESS IS WELL DOCUMENTED, REAL-WORLD EVIDENCE ON ADHERENCE, SAFETY, AND THE IDENTIFICATION OF CANDIDATES FOR TRANSITION TO PREP REMAINS LIMITED.

AIM AND OBJECTIVES

TO EVALUATE THE EFFECTIVENESS AND SAFETY OF PEP IN INDIVIDUALS TREATED DURING 2023. SECONDARY OBJECTIVES WERE TO ANALYSE PRESCRIBING PATTERNS, PATIENT CHARACTERISTICS, REASONS FOR INITIATING PEP, AND THE PROPORTION OF PATIENTS ELIGIBLE FOR PREP AFTER COMPLETING PEP.

MATERIALS AND METHODS



RETROSPECTIVE AND OBSERVATIONAL DESIGN



STUDY PERIOD

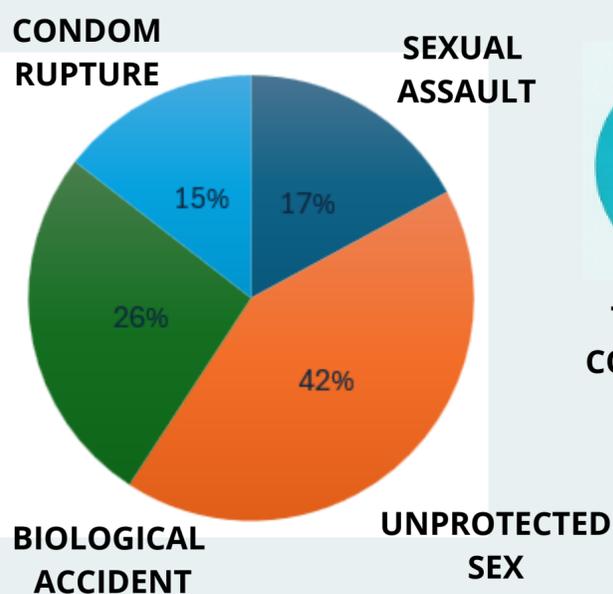


HEALTH & HISTORY DEADLINES

DEMOGRAPHICS
PSYCHIATRIC HISTORY
REASONS FOR INITIATING PEP
RENAL AND HEPATIC FUNCTION
HIV SEROLOGY
SEXUALLY TRANSMITTED INFECTIONS (STIS)
ADVERSE DRUG REACTIONS (ADRS)
COMPLETION OF TREATMENT

RESULTS

CAUSES OF EXPOSURE



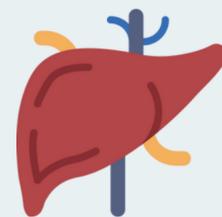
TREATMENT COMPLETION RATE



71,1%
BEGAN WITHIN THE FIRST 24H



100%
NEGATIVE SEROLOGY



TRANSIENT LIVER FUNCTION CHANGES

INCREASE IN ALANINE AMINOTRANSFERASE (ALT) WAS OBSERVED AT WEEK 4 (P=0.004), WHICH NORMALISED BY WEEK 12



20%
TRANSITIONING TO ONGOING PREP

CONCLUSION AND RELEVANCE

PEP IS WELL-TOLERATED AND HIGHLY ADHERED TO WHEN INITIATED PROMPTLY. STANDARD REGIMENS ARE EFFECTIVE AND REQUIRE MINIMAL ADJUSTMENT. MONITORING FOR LIVER FUNCTION IS ADVISABLE DUE TO TRANSIENT ALT CHANGES. FOLLOW-UP CARE IS ESSENTIAL FOR STI DETECTION AND TO IDENTIFY CANDIDATES FOR ONGOING PREVENTION STRATEGIES LIKE PREP. THESE FINDINGS SUPPORT THE IMPORTANCE OF TIMELY INTERVENTION AND COMPREHENSIVE POST-EXPOSURE MANAGEMENT.

