



Decreasing trends in gastroenteritis and pneumococcal disease incidence and mortality after universal vaccination in children in Ecuador.

PNEUMOCOCCAL DISEASE



2011: Implementation of PCV in the NIP

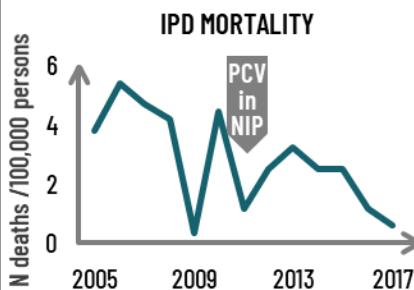
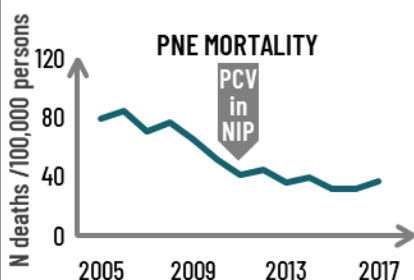


Retrospective database study with time-trend analysis from 2005–2017, using country-wide national surveillance data

KEY FINDINGS



Coverage: 41–84% for the 3rd dose



Significant decrease of 41% for PNE mortality and 51% for IPD mortality in post-vaccination.

ROTAVIRUS



2007: Implementation of HRV in the NIP

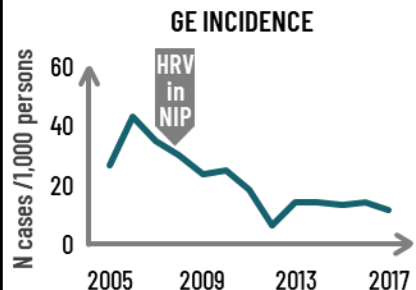
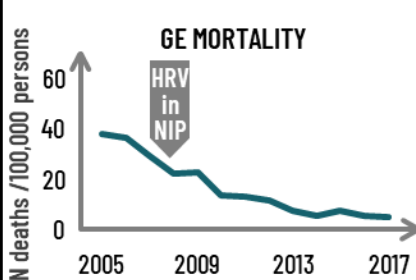


Retrospective database study with time-trend analysis from 2005–2017, using country-wide national surveillance data

KEY FINDINGS



Coverage: 79–97% for the 2nd dose



Decline of 72% for GE mortality and 51% for GE incidence in post-vaccination.

GE: gastroenteritis; HRV: Human-attenuated rotavirus vaccine; IPD: invasive pneumococcal disease; NIP: National Immunization Program; PCV: pneumococcal conjugate vaccine; PNE: pneumonia; RV: rotavirus. This infographic represents the opinions of the authors. For a full list of declarations, including funding and author disclosure statements, please see the full text online. © The authors, CC-BY-NC 2021.



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Ecuador: Incidence and mortality trends of acute gastroenteritis and pneumococcal disease in children following universal rotavirus and pneumococcal conjugate vaccination. Julio P, Guzman-Holst A, Gupta V, Velez C, Rosales T, Torres C.



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