

1067-34-1977

Velasco-Hernandez and **Maria Leite*** (mleite@ou.edu). *Influenza and SEIR model with isolation.*

We will present a model for the influenza epidemic in Mexico 2009 that describes the observed bi-modal pattern of the epidemic curve up to late August (before the onset of the expected winter epidemic). We will discuss the consequences of social isolation and other prophylactic measures that were implemented on the observed influenza temporal pattern. (Received September 22, 2010)