imMTrax Immunization Information System (IIS)

Forecasting Algorithm Information

The vaccine forecasting algorithm is new functionality for Montana's IIS. The forecaster has been extensively tested; however, the most extensive testing will occur as it is used day-to-day with actual immunization records. Please know that it will be a work in progress for awhile as it is implemented with Montana's new IIS. We anticipate that there will be instances where what is being forecasted will require further review. Please report any problems that you are having with the forecaster to the Immunization Program at hhsiz@mt.gov for further review.

As with any computer technology, the forecaster does have some technical limitations. These technical limitations will remain until a larger system modification can be made. Below is a list of those limitations that have been identified.

HPV

HPV requires that the gender be correctly set to either male or female. If the gender is set to other or unknown, it will indicate the dose is invalid.

Td/Tdap

Td and Tdap are not yet connected. A Td may be forecasted when the client is up-to-date with a Tdap.

Birth dose and 3 Pediarix (Hepatitis B forecast)

When a birth dose and three doses are administered, the hepatitis B series consists of four doses.
The 3rd dose of hepatitis B (2nd dose of Pediarix) when administered prior to 24 weeks of age will show as invalid. This is correct.
If the 4th dose of hepatitis B (3rd dose of Pediarix) is administered less than 8 weeks from the 3rd dose of hepatitis B, this dose will show as invalid. This may not be correct. In this situation, the spacing for hepatitis B should be evaluated by dropping the 3rd dose and validating dose 1, 2, and 4 according to the minimum intervals and ages. There should be 4 weeks between dose 1 and 2, 8 weeks between dose 2 and 4, 16 weeks between dose 1 and 4, and dose 4 cannot be administered prior to 24 weeks of age