## Warning Signs

Primary Immunodeficiencies (PIs) like activated PI3k delta syndrome (APDS), are diseases where the immune system doesn't function properly. This means that people with APDS may experience a wide variety of signs and symptoms, making it challenging to recognize. The most common signs and symptoms are listed below. If you or someone you know is affected by two or more of the following Warning Signs, speak to a healthcare provider about the possibility of APDS.

Two or more of the following in one year:

- Sinus Infections -or-
- Pneumonias -or-
- Ear Infections

Frequent and severe diarrhea lasting more than four weeks

Recurrent and difficult to treat herpes viral infections (especially if CMV/EBV are chronic)



Family history of another primary immunodeficiency disease or CVID



Persistent cough, uncontrolled or difficult to control asthma or scarring of lungs for no clear reason (known as bronchiectasis)

Enlarged liver

and/or spleen

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Persistent lymph node swelling

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Diagnosed **autoimmune** or autoinflammatory conditions (especially if early age of onset or multiple autoimmune conditions)

Lymphoma or family history of lymphoma (a group of cancers affecting the lymph nodes)

These warning signs were developed by the Jeffrey Modell Foundation (JMF) and Pharming and are being provided for informational purposes only. We believe this information to be reliable and accurate, but the information cannot be construed as medical advice, diagnosis, or treatment. Consultation with PI experts or your healthcare provider is strongly suggested.

## Presented as a public service by:

**Developmental delays** 

including cognitive

(i.e. short stature)

delays and/or growth delays









