

Understanding Disease Progression Models: What are They, Why are They Useful, & How Are They Applied



The graphic features a dark blue background with a faint, stylized image of a crowd of people. Overlaid on this are various geometric shapes and lines, suggesting a network or data flow. In the top left, the Critical Path Institute logo is shown next to the text 'RARE AND ORPHAN DISEASE PROGRAMS' and 'CRITICAL PATH INSTITUTE'. To the right of this is the 'RDCA-DAP' logo, which includes a circular icon and the text 'RDCA-DAP® Rare Disease Cures Accelerator Data and Analytics Platform'. Below these logos, the words 'WEBINAR SERIES' are written in large, bold, white capital letters. On the right side, there is a bright orange rounded rectangle containing the text 'Previously Recorded' in white, followed by 'VIEW NOW' in large, bold, blue capital letters, and a white cursor icon pointing towards the text. In the lower left, a portrait of Luke Kosinski, a bald man with a beard wearing a grey sweater over a white shirt and blue tie, is shown. To the right of the portrait, the title 'Understanding Disease Progression Models' is written in large, bold, yellow capital letters. Below the title, a short description in white text reads: 'What are they, why are they useful, and how are they applied in rare and orphan diseases? A high-level overview.' At the bottom, a solid blue horizontal bar contains the speaker's name 'Luke Kosinski, Ph.D.' in white, followed by his title 'Senior Quantitative Medicine Scientist, Regulatory Strategy, C-Path' in yellow.

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**Understanding Disease
Progression Models**

What are they, why are
they useful, and how
are they applied in rare
and orphan diseases?
A high-level overview.

Luke Kosinski, Ph.D.
Senior Quantitative Medicine Scientist,
Regulatory Strategy, C-Path

Disease progression modeling synthesizes statistics with disease knowledge and data to inform predictions and understanding of disease course in populations and subpopulations and is commonly used in model-informed drug development. Using examples from rare and orphan diseases, this webinar looks to break down the high-level ideas behind disease progression models, exploring what they are, what they do, and

why they are useful.

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