

## CIM Profile\_Andrew's Story Transcription

Andrew Karnes, Patient

Susan Karnes, Patient's Mother

Shirlene Sampson, M.D.  
Mayo Clinic Psychiatrist

Richard Weinshilboum, M.D.  
Mayo Clinic Center for Individualized Medicine

Susan Karnes, Patient's Mother: When Andrew first became ill in 4<sup>th</sup> grade, it was as if the child I'd raised had been traded for a totally different boy. But for 16 years no one had an answer for us, except to throw another medication and another diagnosis on top of the heap.

Andrew Karnes, Patient: At my lowest point I thought about suicide. I knew I couldn't live like that anymore.

Susan Karnes, Patient's Mother: So as a last resort, we went to Mayo Clinic.

GRAPHIC: Shirlene Sampson, M.D. Mayo Clinic Psychiatrist

Shirlene Sampson, M.D., Mayo Clinic Psychiatrist: When Mrs. Karnes told me that she had some family members who had difficulty tolerating medications, I told her that often these kinds of problems can run in families.

Susan Karnes, Patient's Mother: Doctor Sampson listened to me. I felt we were finally going to get the answer to all of these issues for so many years.

Shirlene Sampson, M.D., Mayo Clinic Psychiatrist: We did the genetic testing and found out, in fact, Andrew was not able to break down the medications the way most individuals would. Because of this, the medication level was likely higher in his system, causing him to have more side effects and, in fact, making him ill.

Andrew Karnes, Patient: For 16 years no one knew what was wrong with me, and in two months Mayo Clinic had it figured out. And now I have my life back.

GRAPHIC: Richard Weinshilboum, M.D. Mayo Clinic Center for Individualized Medicine

Richard Weinshilboum, M.D., Mayo Clinic Center for Individualized Medicine: The hope for the application of the technology that's come out of the genome project is in the

case of Andrew. It's that it will make it possible for us to select the right drug at the right dose for every patient every time.

Susan Karnes, Patient's Mother: We are so grateful to Mayo Clinic. The fact that Mayo's research was integrated into patient care saved Andrew's life, and they saved our family's happiness.