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## **Drug safety incidents that could have been prevented by Track and Trace systems**

### **Counterfeit Avastin Found in U.S. on 3 Occasions in 2012-2013**

Counterfeit versions of the injectable cancer medication Avastin were first discovered by the FDA on February 12, 2012. Since that time counterfeit Avastin has appeared 2 other times, and the complex web of supply-chain transfers that brought it into the United States was exposed. Doctors in 28 states were sent warning throughout the year that they may have purchased counterfeit Avastin from foreign drug suppliers. Had Track and Trace legislation been in effect, doctors and clinics warned would have been able to quickly identify the purchased Avastin as fake. In fact, it is unlikely anyone would have even tried to sell it, because it would have lacked an easily-checked pedigree.

<http://www.safemedicines.org/2013/01/fda-warnings-in28-states-six-prosecutions-511.html>

### **Dr. William Kincaid**

Dr Kincaid and his office manager Michael Dean Combs were convicted of knowingly purchasing non-FDA approved injectable cancer medication from Quality Specialty Products, one of the now notorious sources for the counterfeit Avastin that began showing up at doctors' offices in the US. Had Track and Trace legislation been in effect, the suspicious nurses in Kincaid's office who first questioned the genuineness of the cancer drugs, would have been easily able to identify the drugs as counterfeit.

<http://www.safemedicines.org/2012/12/doctor-pleads-guilty-in-misbranded-cancer-drug-case-501.html>

### **Christopher Carsens/Orthopedic Solutions**

Orthopedic Solutions acted as medical suppliers to doctors and clinics who purchased Botox and Juvederm. Carstens was charged in April with mail fraud, and several counts of importing unapproved and misbranded Botox and Juvederm, which was disguised so that the doctors who purchased it would mistake it for FDA-approved Botox. Had Track & Trace legislation been in effect, no doctors or clinics would have been fooled by Carsten's scheme.

<http://www.safemedicines.org/2013/05/fake-botox-on-the-rise-in-us-as-fda-warnings-and-recent-arrest-indicate531.html>

<http://www.justice.gov/usao/mow/news2013/carstens.ind.html>