



### **Multiple Hits Hypothesis (MHH) - Fictional Example**

- A A Vietnamese housewife who lived a normal life without any PD symptoms. Had an aunt and grandparent with PD.
- B A Coffee and alcohol drinking Caucasian businessman from New York. He was a lifelong cigarette smoker who eventually died from emphysema. His mother had PD. He took one hit in his 50s when he was exposed to dieldrin, but never experienced any PD symptoms.
- C A Brazilian from Recife who was a motor cycle drugs courier. Part of his remuneration took the form of samples of the merchandise, which included some heroin substitutes of dubious provenance. Went on to develop severe PD.
- D A native American from Alaska who moved to Nebraska and adopted the Amish lifestyle. Earned a living as a farm labourer which included he spreading of pesticides by hand. Developed PD in his 40s.
- E A Latvian female factory worker. No family history of PD. Experienced pre-natal exposure to LPS which severely curtailed her nigral development. Went on to develop early onset PD.