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Fishbone diagrams are useful to show cause-and-effect for undesired situations. In this case we want to lower pediatric dose, therefore, we have to consider all of the situations that could cause a child to have more radiation exposure than necessary. The goal is to prevent exposure creep, repeats, and errors by discovering their root cause. Once potential causes have been identified, plans and protocols should be developed to overcome deficient areas. The causes have been grouped into major categories along with corresponding subheadings to identify sources of variation.