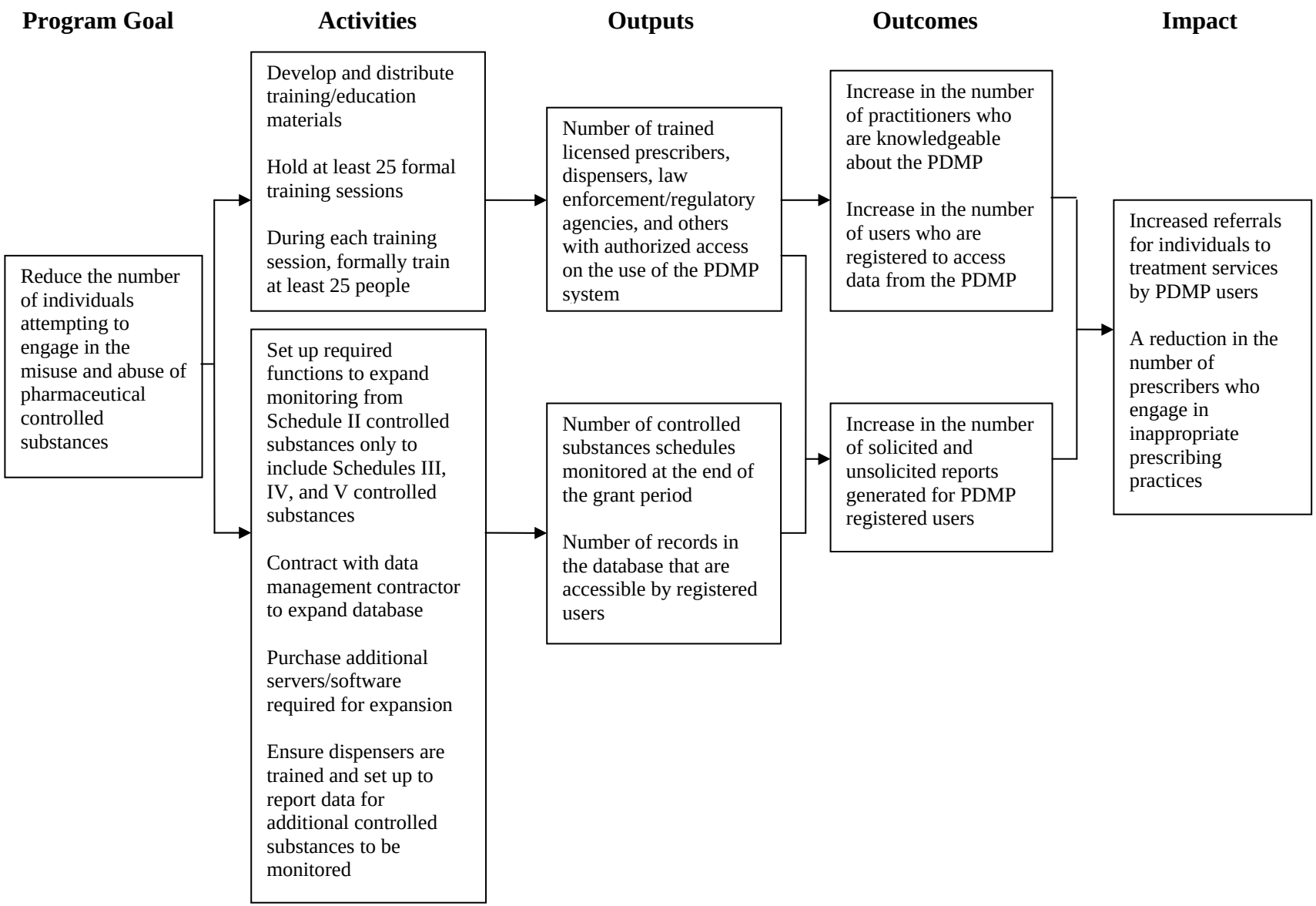Sample Logic Model Approach for a PDMP Enhancement