

What Are the Key Factors in Using EHR Data for Endpoints and Outcomes?

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Some important things to know in terms of the EHR data and using it for endpoints and outcomes. Endpoints and outcomes should be easy to collect - that's the pragmatic piece. They should also be explicit, reproducible, and useful. And so that gets at this computable phenotype specification, and they need to be explicit, both in a human-readable way to our investigators and the consumers of the research that we're producing, but then also have enough detail and perhaps some machine-readable kinds of programmatic code associated with it so that they could be reproduced. They need to be useful. They need to identify the conditions or outcomes that are important and validated in such a way that researchers and stakeholders find them useful. And finally, researchers do not control the design or data that's collected in EHR systems. So this can be a challenge to put together these kinds of definitions given all the variation that we see in these systems as they exist in the real world.