

Domain	Designing Studies	
Cluster	Design and Implement a plan to collect and analyze data	
Standard(s)	M.ASHS.8	Develop a process for making inferences about population parameters based on a random sample through data collection and analysis.

Content Examples:

- » Sampling techniques:
<https://www.youtube.com/watch?v=PdXDLNNXPik>
- » Sampling techniques:
<https://www.youtube.com/watch?v=9PaR1TsvnJs>

Relevant Content:

- » Examples of Sampling Methods
<http://www.fao.org/ag/humannutrition/32428-0613f516cb07eade922c8c19b4d0452c0.pdf>
- » Sampling Methods Answer Key
http://danielsroar.weebly.com/uploads/5/3/1/4/5314494/pg_44_a_sample_of_sampling_methods_answers.pdf

Vocabulary:

- » Population, sample, parameter, statistic, random sample, simple random sample, stratified random sample, cluster sample, systematic sample, convenience sample, voluntary sample, sampling bias, inference
- » The idea of a statistical inference:
<http://howmed.net/wp-content/uploads/2013/08/Statistical-inference.jpg>

Assessment Links or Tasks:

- » Simple sampling bias practice:
http://mrcasalnuovo.weebly.com/uploads/1/0/4/4/104457819/bias_in_sampling.pdf
- » Sampling Good and Bad using the Gettysburg Address:
<https://www.statsmedic.com/intro-day35>
- » Gettysburg Address Part 2:
<https://www.statsmedic.com/intro-day36>
- » Random Samples and Biased Questions practice:
<http://static1.squarespace.com/static/55849119e4b00773a6d06886/t/56b4ca277c65e44f6af800e4/1454688807849/U8L3+-+Skill+Practice.pdf>