Table 1.2: LHS Criteria per Stage Based on Friedman et al.'s (2017) Learning Cycle

LHS Stages	LHS Criteria	Equivalent questions within the AHA data		
		2013	2016	2018
LHS stage one	**Practices electronic clinical documentation and uses Electronic Health Record platforms that are certified based on Federal standards.**	**Yes (1) to Q1_A1 to Q1_G1 and Q12**	**Yes (1) to Q 1_A1 to Q1_G1 and Q 17**	**Yes (1) to Q1_A1 to Q1_F1, and to Q 18**
LHS stage two	Practices electronic clinical documentation and uses Electronic Health Record platforms that are certified on Federal standards. **Uses Electronic-Health-Data for decision support**	Yes (1) to Q1_A1 to Q1_G1 and Q12 **Yes (1) to Q1_A4 to Q1_F4**	Yes (1) to Q 1_A1 to Q1_G1 and Q 17 **Yes (1) to Q1_A4 to F4**	Yes (1) to Q1_A1 to Q1_F1, and to Q 18 **Yes (1) to Q1_A4 to Q1_F4**
LHS stage three	Practices electronic clinical documentation and uses Electronic Health Record platforms that are certified on federal standards. Uses Electronic-Health-Data for decision support **Uses Electronic-Health-Data for quality improvement and public health purposes**	Yes (1) to Q1_A1 to Q1_G1 and Q12 Yes (1) to Q1_A4 to Q1_F4 **Yes (1) to Q 18_6 to 9**	Yes (1) to Q 1_A1 to Q1_G1 and Q 17 Yes (1) to Q1_A4 to F4 **Yes (1) to Q25_F to Q25_J**	Yes (1) to Q1_A1 to Q1_F1, and to Q 18 Yes (1) to Q1_A4 to Q1_F4 **Yes (1) to Q25_F to Q25_J**
The specific requirement for each stage is written in bold				