

Lab Reporting Data Requirements - based on HL7 v2.5.1 and COMAR

The following is a partial list of HL7 elements from the [HL7 version 2.5.1 Implementation Guide: Electronic Laboratory Reporting to Public Health Release 1](#) that MDH requires (based on [COMAR](#)). Please note that this is only a minimal list of required fields and the full Implementation Guide with all the other required elements should be followed for MU-compliance.

HL7 Segment	HL7 Sequence	HL7 Element Name	HL7 v2.5.1 Requirement	MDH Requirement
MSH	4	Sending Facility	R	Required
MSH	7	Date/Time of Message	R	Required
PID	3	Patient Identifier List	R	AIDS and STI programs require both Medical Record Number and last 4 digits of Social Security Number
	5	Patient Name	R	Required
	7	Date/Time Of Birth	RE	Required
	8	Administrative Sex	RE	Required
	10	Race	RE	Required
	11	Patient Address	RE	Required
	13	Phone Number – Home	RE	Required
	22	Ethnic Group	RE	Required
ORC	12	Ordering Provider	CE	Required
	14	Call Back Phone Number	CE	Required
	21	Ordering Facility Name	R	Required
	22	Ordering Facility Address	R	Required
	23	Ordering Facility Phone Number	R	Required
	24	Ordering Provider Address	RE	Required
OBR	4	Universal Service ID		Required
	16	Ordering Provider	RE	Required
	17	Order Callback Phone Number	RE	Required
	22	Results Rpt/Status Chng – Date/Time	R	Required
	25	Result Status	R	Required
	26	Parent	CE	Required
OBX	3	Observation Identifier	R	Required
	5	Observation Value	CE	Required
	6	Units	CE	Required
	7	References Range	RE	Required
	8	Abnormal Flags	CE	Required
	11	Observation Result Status	R	Required
	19	Date/Time of the Analysis	RE	Required
	23	Performing Organization Name	R	Required
24	Performing Organization Address	R	Required	
SPM	2	Specimen_ID	R	Required
	4	Specimen Type	R	Required
	8	Specimen Source Site	RE	Required
	17	Specimen Collection Date/Time	R	Required
	18	Specimen Received Date/Time	R	Required