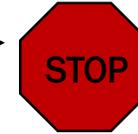


Reporting Carbapenem-Resistant Enterobacteriaceae (CRE) to NC DPH

Escherichia coli, *Enterobacter* species, or *Klebsiella* species

NO



NOT REPORTABLE
Infection prevention measures may still be necessary

YES

Performed phenotypic or molecular testing for carbapenemase production using a recognized test*

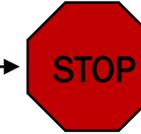
*Refer to <https://www.cdc.gov/nndss/conditions/carbapenemase-producing-carbapenem-resistant-enterobacteriaceae/case-definition/2018/>.

Note that if relying on Modified Hodge, NC DPH requests isolate submission regardless of these results.

YES

Resistant to one or more carbapenems (minimum inhibitory concentrations of ≥ 4 mcg/mL for meropenem, imipenem, and doripenem or ≥ 2 mcg/mL for ertapenem)

NO



NOT REPORTABLE
Infection prevention measures may still be necessary

NO

Request isolate be sent to State Laboratory of Public Health (SLPH) for carbapenemase testing

ISOLATE SENT

ISOLATE NOT SENT

Phenotypic test*
negative for carbapenemase production

*CRE with negative Modified Hodge results are reportable in the absence of additional testing

Molecular test **negative** for known carbapenemase (KPC, IMP, NDM, OXA, or VIM)

Molecular test **positive** for known carbapenemase (KPC, IMP, NDM, OXA, or VIM)

Phenotypic test **positive** for carbapenemase production**

**If no molecular testing is performed

Positive for KPC production

Positive for IMP, NDM, OXA, or VIM production

If isolate not tested by SLPH, send to SLPH for confirmation



NOT REPORTABLE

Infection prevention measures may still be necessary

REPORTABLE

Infection prevention measures necessary