











- For the Future: Iterations continue until all finalized findings are obtained.
- Allows for flexibility in system planning and operation by government agencies, NGOs and communities in global development settings.







Necessity: How necessary a condition is to the fuzzy outcome of success. Necessity scores equal or greater to 0.9 indicate that nearly all instances of success show this condition is present. **Consistency**: A numerical measure of how consistently the condition led to success. Consistency scores equal or greater to 0.8 show the condition or combination consistently leads to the desired outcome. **Coverage**: A numerical percentage of successful sanitation systems covered by the condition. A numerical metric for generalizability.

This combination validates intuitive sense about infrastructure, and construction Quality are closely tied in most systems, and a Skilled Operator will need a clear O&M plan. An intriguing finding is that community participation in operation and maintenance doesn't have to be present for the community members. However, these findings are purely the base case of absolute necessity, and many successful systems had these other conditions involving the community present. This solution is the most generalizable, and future solutions will provide options for pathways that stakeholders can take to ensure successful sanitation systems are built in the future.

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