

# STANDARDS AND INDICATORS FOR COLLECTING, ANALYZING, INTERPRETING, AND USING DATA

## RATIONALE

The ability to collect, access, interpret, use, and present injury and/or violence data is considered a core competency for injury and violence prevention. Indeed, the role of data is central to overall public health practice. With access to multiple data sources and an ability to interpret data, programs are better able to respond to the main sources of burden of injury and violence in each community and reduce the costs incurred by systems and society.

The standards and indicators below recognize that some programs may not have access to multiple sources of data or the staff and skill sets to analyze data. However, the expectation is that programs will work with partners to share and assess various data sources, and to move towards more innovative ways of both collecting and analyzing data as programs grow and mature.

## STANDARD

**The program collects, analyzes, interprets, and uses qualitative and quantitative data to determine priority program and policy interventions, evaluate progress, internally articulate the need for and value of investing in injury and violence prevention, and/or increase awareness among external audiences of the value of injury and violence prevention programs.**

## INDICATORS

Indicators of Data Standard	Core Model Program Indicators	Enhanced Model Program Indicators
D-1 The program uses trauma registry data to characterize the frequency and patterns of injury in patient populations.	x	x
D-2 The program collects, analyzes, interprets, and uses additional hospital data (e.g., discharge data, readmissions, re-occurrences, billing/financial) to deepen its understanding of preventable injuries in the community it serves.	x	x
D-3 The program has access to data (in-house or external) and/or a data professional.	x	x
D-4 The program uses community/population injury and/or violence data for selecting program and policy priorities (e.g., determinants, modifiable risk factors, social/financial burden).	x	x

Indicators of Data Standard	Core Model Program Indicators	Enhanced Model Program Indicators
D-5 The program <i>applies an epidemiologic approach</i> to using community/population injury and/or violence data for selecting program and policy priorities (e.g., determinants, modifiable risk factors, social/financial burden).		x
D-6 The program contributes to the collection, monitoring, interpretation, and analysis of population-based, local data that lead to a fuller understanding of the <i>top local causes of injury and/or violence</i> in the community.		x
D-7 The program assesses injury and/or violence data to <i>evaluate</i> progress in reducing the burden of injury and violence.		x
D-8 The program shares injury and violence data with <i>internal</i> stakeholders (e.g., physicians, nurses, volunteer and foundation staff, executive teams within the hospital/system).	x	x
D-9 The program has data-specific partnerships with external partners to jointly collect and/or analyze data (e.g., MPO-GIS mapping, state registries, community engagement in identifying data collection priorities).	x	
D-10 The program has data-specific partnerships with external partners to jointly collect and/or analyze data and <i>improve the overall quality of data</i> (e.g., MPO-GIS mapping, community engagement in identifying data collection priorities).		x
D-11 The program participates in efforts to aggregate, analyze, interpret, and/or collect injury and violence data <i>in innovative ways</i> (e.g., using predictive analytics, GIS mapping, or big data; engaging community members and groups).		x
D-12 The program participates in research and scholarship through activities such as publishing the results of research studies, participating in research discussions and conferences, collaborating on joint research projects/studies, and mentoring.		x
D-13 The program provides a report to the community annually that includes data findings and evaluation of programs and activities designed to reduce injury and violence in the communities served, in an accessible, user-friendly format.	x	x