

# Bar Code Data Management Module



Advancing Public Health Outcomes Through Information Technology

STC's Bar Code Data Module allows Immunization Information Systems (IIS) to utilize information contained in 1D and 2D bar coded items such as driver's license and medication / material inventory stock. This relatively low cost option provides an efficient and accurate way to enter data into an IIS or complete a patient search when time is of the essence. Bar code scanners or "readers" such as those commonly used in retail sales, interpret the available data through a software interface linked to the IIS application. Bar code scanners are available as wireless or hard wired units, giving options to the meet the user's practical application needs.

This functionality facilitates both IIS day-to-day usage and mass immunization events:

- ➔ **Conducting patient search** — Driver's licenses that meet the American Motor Vehicle Association Standards contain an ample amount of data from which an IIS search can be completed. Data fields included on the typical driver's license are: First and Last Name, Date of Birth, Gender, Address, City, State and Zip Code.
- ➔ **Updating demographic information** — Patient demographic data contained in the bar coded identification cards used to conduct a patient search can compare against the current information in the IIS. If the demographic data is different, the user can verify the change with the patient or guardian and then authorize that the verified information replace the existing IIS information.
- ➔ **Entering new patient into IIS** — Software for bar code scanners translates bar code data to text that the IIS application understands. This reduces the time needed to enter new patients into the IIS and minimizes data entry errors. In a mass immunization event this means that patients can be processed more quickly and fewer patients are apt to be lost.
- ➔ **Tracking and updating patients through stages of immunization event** — Identifying patients in an immunization event with a bar code can also be used to timestamp each time the bar code ID is rescanned. This functionality ensures that patients are tracked throughout the various stations of the event until they are dispositioned. Managers can use time stamping intervals in post-event evaluations to identify where delays occur.
- ➔ **Recording vaccination event details** — Bar codes are available on vaccine bottles and packaging. Bar codes can be created for other immunization event details. These functions expedite documenting required vaccination administration details such as:
  - Vaccination date, administration site, and route
  - Vaccine name, manufacturer, and lot number
  - Vaccinator name
- ➔ **Creating temporary bar code ID for patient identification** — Driver's license non-driver IDs are available in most states but children under age 18 years rarely have them. Temporary bar code IDs can be created for those patients who present without a bar code identification card. Temporary bar codes are printed to labels which can be applied to arm bands or other documents.



For more information or a demonstration, please contact:

**Scientific Technologies Corporation**