

Major Changes to LTAS 4.5

- Updated NIOSH 92 and 119 Rate files with data up to 2014.
 - 92 Underlying Cause U.S. Death Rate, 1940-2014
 - 92 Underlying Cause Proportion U.S. Death Rate, 1940-2014
 - 119 Multiple Cause Proportion U.S. Death Rate, 1960-2014
 - 119 Multiple Cause U.S. Death Rate, 1960-2014
 - 119 Underlying Cause U.S. Death Rate, 1960-2014
- 508 Accessibility Compliance added

LTAS Accessibility Specification

This document contains the keyboard and object naming specifications for LTAS.NET.

Main Program

Main Program Window

Keyboard Accessibility

Action	Keystroke(s)
Show File Menu	ALT+F
Show Import Data Menu	ALT+I
Show Stratify Data Menu	ALT+S
Show Analyze Data Menu	ALT+A
Show Manage Rates Menu	ALT+R
Show Help Menu	ALT+H

Accessible Objects

Name	Role
File	Menu Item
Import Data	Menu Item
Stratify Data	Menu Item
Analyze Data	Menu Item
Manage Rates	Menu Item
Help	Menu Item

Main Program – Welcome Page

Keyboard Accessibility

Action	Keystroke(s)
Close Welcome Window	ENTER or ESC
Check 'Do not show the welcome message ...' box	TAB, SPACE

Accessible Objects

Name	Role
Close	Push Button

Name	Role
Do not show the welcome message the next time I start LTAS.NET	Text

File Menu

New Project Dialog

Keyboard Accessibility

Action	Keystroke(s)
Display Dialog	ALT+F, ALT+N
Close Dialog and Create New Project	ENTER
Cancel Dialog without Creating New Project	ESC

Accessible Objects

Name	Role
File name	Editable Text
Save as type	Combo Box
Save	Push Button
Cancel	Push Button

Note: This dialog uses the standard Windows File Save dialog which provides built-in keyboard accessibility for navigating drives and folders.

Open Project Dialog

Keyboard Accessibility

Action	Keystroke(s)
Display Dialog	ALT+F, ALT+O
Close Dialog and Open a Project	ALT+O
Cancel Dialog without Opening a Project	ESC

Accessible Objects

Name	Role
File name	Editable Text
Files of type	Combo Box
Open	Push Button
Cancel	Push Button

Note: This dialog uses the standard Windows File Open dialog which provides built-in keyboard accessibility for navigating drives and folders.

Open Project – Confirmation Dialog

Keyboard Accessibility

Action	Keystroke(s)
Close Dialog	ENTER

Accessible Objects

Name	Role
Open	Push Button

Export Project Settings

Keyboard Accessibility

Action	Keystroke(s)
Display Dialog	ALT+F, ALT+N
Close Dialog and Create New Project	ALT+S
Cancel Dialog without Creating New Project	ESC

Accessible Objects

Name	Role
File name	Editable Text
Save as type	Combo Box
Save	Push Button
Cancel	Push Button

Note: This dialog uses the standard Windows File Save dialog which provides built-in keyboard accessibility for navigating drives and folders.

Exit LTAS

Keyboard Accessibility

Action	Keystroke(s)
Display Dialog	ALT+F, ALT+X
Close Dialog and Exit LTAS	ENTER or ALT+Y
Cancel Dialog without Exiting LTAS	ALT+N

Accessible Objects

Name	Role
Yes	Push Button
No	Push Button

Import Data Menu

Import Wizard

Keyboard Accessibility

Action	Keystroke(s)
Display Import Wizard	ALT+I, ALT+W
Cancel and Close Wizard	ESC
Next Step	ALT+N
Back Step	ALT+B
Help	ALT+H
Navigate Wizard Options	TAB and ARROW keys

Accessible Objects

Name	Role
Help	Push Button
Back	Push Button
Next	Push Button
Cancel	Push Button

Import Wizard – Retrieve Import Options

Keyboard Accessibility

See [Import Wizard](#)

Accessible Objects

Name	Role
What options do you want to start with?	Text
Use system defaults	Radio Button
Use pc Itas defaults	Radio Button
Use options from an exported project	Radio Button
Exported project file	Editable Text
Select exported project file	Push Button
Keep current option settings	Radio Button

Import Wizard – Project Options

Keyboard Accessibility

See [Import Wizard](#)

Accessible Objects

Name	Role
Reference rates	Combo Box
Study begin date	Drop Down
Study end date	Drop Down
Include categoricals	Check Box
Global categoricals	Table
To delete a categorical select the row and press the Delete key	Text

Import Wizard – Import File Locations and Format

Keyboard Accessibility

See [Import Wizard](#)

Accessible Objects

Name	Role
Person file name	Editable Text
Select person file	Push Button
View person file	Push Button
Outcome file name	Editable Text
Select outcome file	Push Button
View outcome file	Push Button
History file name	Editable Text
Select history file	Push Button
View history file	Push Button
Fixed ascii file type	Radio Button
Delimited ascii file type	Radio Button
Delimiter character	Combo Box

Import Wizard – Optional Person File Fields

Keyboard Accessibility

See [Import Wizard](#)

Accessible Objects

Name	Role
Include name	Check Box
Include risk begin date	Check Box
Include fixed stratifiers	Check Box
Fixed stratifiers	Table
To delete a stratifier, select the row and press the 'Delete' key.	Text

Import Wizard – Recoding of Person File Fields

Keyboard Accessibility

See [Import Wizard](#)

Accessible Objects

Name	Role
Genders	Table
Races	Table
Include alive vital status	Check Box
Alive vital status code	Editable Text
Include deceased vital status code	Check Box
Deceased vital status code	Editable Text

Import Wizard – Time at Risk Options

Keyboard Accessibility

See [Import Wizard](#)

Accessible Objects

Name	Role
Begin risk on risk begin date	Check Box
Begin risk on qualifying birthday	Check Box
Begin risk on first exposed date	Check Box
Begin risk on study begin date	Check Box
Begin risk from person data	Check Box
Begin risk on global date	Check Box
Global date	Drop Down

Import Wizard – Mapping of Fixed Person Fields

Keyboard Accessibility

See [Import Wizard](#)

Accessible Objects

Name	Role
Field to map	Combo Box
Column to map to	Editable Text
Width of field	Editable Text
Apply	Push Button
Raw input data	Editable Text
Person field mappings	Table

Import Wizard – Mapping of Delimited Person Fields

Keyboard Accessibility

See [Import Wizard](#)

Accessible Objects

Name	Role
Field to map	Combo Box
Column to map to	Editable Text
Apply	Push Button
Person field mappings	Table

Import Wizard – Outcome File Options

Keyboard Accessibility

See [Import Wizard](#)

Accessible Objects

Name	Role
Include terminal flag	Check Box
Include Underlying flag	Check Box
Use icd revision in effect at time of death	Radio Button
Use icd revision from outcome file	Radio Button
Use a global icd revision	Radio Button
Global icd revision	Combo Box

Import Wizard – Mapping of Fixed Outcome Fields

Keyboard Accessibility

See [Import Wizard](#)

Accessible Objects

Name	Role
Field to map	Combo Box
Column to map to	Editable Text
Width of field	Editable Text
Apply	Push Button
Raw input data	Editable Text
Outcome field mappings	Table

Import Wizard – Mapping of Delimited Outcome Fields

Keyboard Accessibility

See [Import Wizard](#)

Accessible Objects

Name	Role
Field to map	Combo Box
Column to map to	Editable Text
Apply	Push Button
Outcome field mappings	Table

Import Wizard – History File Fields

Keyboard Accessibility

See [Import Wizard](#)

Accessible Objects

Name	Role
Include exposure agents	Check Box

Name	Role
Exposure agents	Table
Include temporal categoricals	Check Box
Temporal categoricals	Table
To delete a categorical select the row and press the Delete key	Text

Import Wizard – Mapping of Fixed History Fields

Keyboard Accessibility

See [Import Wizard](#)

Accessible Objects

Name	Role
Field to map	Combo Box
Column to map to	Editable Text
Width of field	Editable Text
Apply	Push Button
Raw input data	Editable Text
History field mappings	Table

Import Wizard – Mapping of Delimited History Fields

Keyboard Accessibility

See [Import Wizard](#)

Accessible Objects

Name	Role
Field to map	Combo Box
Column to map to	Editable Text
Apply	Push Button
History field mappings	Table

Import Wizard – Final Page

Keyboard Accessibility

See [Import Wizard](#)

Accessible Objects

None

Import Dialog

Keyboard Accessibility

Action	Keystroke(s)
Cancel Import Process	ESC or ENTER
Close Dialog after Import Process Finishes	ESC or ENTER

Accessible Objects

Name	Role
Time elapsed	Text
Import rate	Text
Available person records	Text
Eliminated person records	Text
Total person records	Text
Available outcome records	Text
Eliminated outcome records	Text
Total outcome records	Text
Available history records	Text
Eliminated history records	Text
History gap fills	Text
Total history records	Text
Progress	Progress Bar
Cancel	Push Button

Import Data - Reports

Keyboard Accessibility

Action	Keystroke(s)
Display Report Viewer	ALT+I, ALT+R, DOWN-ARROW repeatedly until report is highlighted, ENTER

See [Report Viewer](#) for additional actions

Accessible Objects

See [Report Viewer](#)

Import Data - Export Results Dialog

Keyboard Accessibility

Action	Keystroke(s)
Export	ALT+I, ALT+E, DOWN-ARROW repeatedly until export is highlighted, ENTER
Save and Close Dialog	ALT+S
Close Dialog without Exporting	ESC

Accessible Objects

Name	Role
File name	Editable Text
Save as type	Combo Box
Save	Push Button
Cancel	Push Button

Note: This dialog uses the standard Windows File Save dialog which provides built-in keyboard accessibility for navigating drives and folders.

Stratify Data Menu

Stratify Wizard

Keyboard Accessibility

Action	Keystroke(s)
Display Import Wizard	ALT+I, ALT+W
Cancel and Close Wizard	ESC
Next Step	ALT+N
Back Step	ALT+B
Help	ALT+H
Navigate Wizard Options	TAB and ARROW keys

Accessible Objects

Name	Role
Help	Push Button
Back	Push Button
Next	Push Button
Cancel	Push Button

Stratify Wizard – Stratifier Selection

Keyboard Accessibility

See [Stratify Wizard](#)

Accessible Objects

Name	Role
Stratifiers	List

Stratify Wizard – Define Lag Time

Keyboard Accessibility

See [Stratify Wizard](#)

Accessible Objects

Name	Role
Lag time	Table
Use a separate category for exposure lag time	Check Box

Stratify Wizard – Edit Categories

Keyboard Accessibility

See [Stratify Wizard](#)

Accessible Objects

Name	Role
Threshold values represent	Editable Text or Combo Box
Clear all	Push Button
Load example	Push Button

Name	Role
Categories	Table
To delete a category select the row and press the Delete key	Text

Stratify Wizard – Final Page

Keyboard Accessibility

See [Stratify Wizard](#)

Accessible Objects

None

Stratify Dialog

Keyboard Accessibility

Action	Keystroke(s)
Cancel Stratify Process	ESC or ENTER
Close Dialog after Stratify Process Finishes	ESC or ENTER

Accessible Objects

Name	Role
Time elapsed	Text
Stratify rate	Text
Available person records	Text
Rejected person records	Text
Total person records	Text
Available history records	Text
Rejected history records	Text
Total history records	Text
Cohort numerator	Text
Cohort denominator	Text
Progress	Progress Bar
Cancel	Push Button
Some person time excluded. See stratify rejects report	Text

Stratify Data - Reports

Keyboard Accessibility

Action	Keystroke(s)
Display Report Viewer	ALT+S, ALT+R, DOWN-ARROW repeatedly until report is highlighted, ENTER

See [Report Viewer](#) for additional actions

Accessible Objects

See [Report Viewer](#)

Stratify Data - Export Results Dialog

Keyboard Accessibility

Action	Keystroke(s)
Display Export Dialog	ALT+S, ALT+E, DOWN-ARROW repeatedly until export is highlighted, ENTER
Save and Close Dialog	ALT+S
Close Dialog without Exporting	ESC

Accessible Objects

Name	Role
File name	Editable Text
Save as type	Combo Box
Save	Push Button
Cancel	Push Button

Note: This dialog uses the standard Windows File Save dialog which provides built-in keyboard accessibility for navigating drives and folders.

Stratify Data – Export Cohort – Select Causes Dialog

Keyboard Accessibility

Action	Keystroke(s)
Select all causes	ALT+S
Clear all cause selections	ALT+C
Close dialog without exporting	ESC
Close dialog and continue with export	ENTER

Accessible Objects

Name	Role
Cause type	Combo Box
Causes	List
Select all	Push Button
Clear all	Push Button
OK	Push Button
Cancel	Push Button

Analyze Data Menu

Analyze Wizard

Keyboard Accessibility

Action	Keystroke(s)
Display Import Wizard	ALT+I, ALT+W
Cancel and Close Wizard	ESC
Next Step	ALT+N
Back Step	ALT+B
Help	ALT+H
Navigate Wizard Options	TAB and ARROW keys

Accessible Objects

Name	Role
Help	Push Button
Back	Push Button
Next	Push Button
Cancel	Push Button

Analyze Wizard – Choose Report Style

Keyboard Accessibility

See [Analyze Wizard](#)

Accessible Objects

Name	Role
Distribution of person years report	Radio Button
Standardized mortality ratio report	Radio Button
Standardized rate ratio report	Radio Button
Grid layout	Radio Button
List layout	Radio Button

Analyze Wizard – Category Selection

Keyboard Accessibility

See [Analyze Wizard](#)

Accessible Objects

Name	Role
Stratifier categories	List
Outcome causes	List

Analyze Wizard – Report Options

Keyboard Accessibility

See [Analyze Wizard](#)

Accessible Objects

Name	Role
Variable for vertical axis	Combo Box
Variable for horizontal axis	Combo Box
Report person days or years	Combo Box
Column width	Combo Box
Font size	Combo Box
Portrait page orientation	Radio Button
Landscape page orientation	Radio Button
Save as a named report	Check Box
Name of saved report	Editable Text

Analyze Wizard – Final Page

Keyboard Accessibility

See [Analyze Wizard](#)

Accessible Objects

None

Report Viewer

Keyboard Accessibility

Action	Keystroke(s)
Display Analyze Report	ALT+A, ALT+R, DOWN-ARROW repeatedly until report is highlighted, ENTER
Display Stratify Report	ALT+S, ALT+R, DOWN-ARROW repeatedly until report is highlighted, ENTER
Display Import Report	ALT+I, ALT+R, DOWN-ARROW repeatedly until report is highlighted, ENTER
Close Report Viewer	ESC
Zoom In	CTRL +
Zoom Out	CTRL -
Custom Zoom	ALT+Z
Search	ALT+S
Export	ALT+E
Preview	ALT+V
Print	ALT+P
Goto Page	ALT+G
First Page	ALT+F
Prior Page	ALT+R
Next Page	ALT+N
Last Page	ALT+L

Accessible Objects

Name	Role
First Page	Push Button

Name	Role
Prior Page	Push Button
Next Page	Push Button
Last Page	Push Button
Goto Page	Push Button
Print	Push Button
Preview	Push Button
Export	Push Button
Tree View	Push Button
Zoom	Push Button
Search	Push Button
Document Map	Outline
Report	Pane

Note: The content of the report can be found in the Report object. This content does not currently meet accessibility standards, a known issue in the Microsoft SQL Server Report Viewer that is used by LTAS.NET.

Report Viewer - Custom Zoom Dialog

Keyboard Accessibility

Action	Keystroke(s)
Open Custom Zoom Dialog	ALT+Z
Zoom and Close Dialog	ENTER
Close Dialog without Zooming	ESC

Accessible Objects

Name	Role
Zoom percentage 25 to 400	Editable Text
OK	Push Button
Cancel	Push Button

Report Viewer - Search Dialog

Keyboard Accessibility

Action	Keystroke(s)
Open Search Dialog	ALT+S
Find Next	ENTER
Close Dialog	ESC

Accessible Objects

Name	Role
Find what	Editable Text
Find next	Push Button
Close	Push Button

Report Management Dialog

Keyboard Accessibility

Action	Keystroke(s)
Display Report Management Dialog	ALT+A, ALT+M
Cancel and Close Dialog	ESC
Customize	DOWN-ARROW repeatedly until report is highlighted, ALT+C
Delete	DOWN-ARROW repeatedly until report is highlighted, ALT+D
Rename	DOWN-ARROW repeatedly until report is highlighted, ALT+R
Help	ALT+H

Accessible Objects

Name	Role
Analyze reports	Table
Rename	Push Button
Customize	Push Button
Delete	Push Button
Cancel	Push Button
Help	Push Button

Report Management - Rename Dialog

Keyboard Accessibility

Action	Keystroke(s)
Rename and Close Dialog	ENTER
Close Dialog without Renaming	ESC

Accessible Objects

Name	Role
OK	Push Button
Cancel	Push Button

Report Management - Confirm Delete Dialog

Keyboard Accessibility

Action	Keystroke(s)
Delete and Close Dialog	ENTER or ALT+Y
Close Dialog without Deleting	ALT+N

Accessible Objects

Name	Role
Yes	Push Button
No	Push Button

Manage Rates Menu

Rate Viewer

Keyboard Accessibility

Action	Keystroke(s)
Display Rate Viewer	ALT+R, ALT+V
Close Rate Viewer	ESC
Export Rates	ENTER

Accessible Objects

Name	Role
Rate file to view	Combo Box
Minor cause filter	Combo Box
Gender filter	Combo Box
Race filter	Combo Box
Ages filter	Combo Box
Calendar period filter	Combo Box
Rates	Table
Export rates	Push Button
Cancel	Push Button

Rate Viewer – Export Dialog

Keyboard Accessibility

Action	Keystroke(s)
Display Export Dialog	ALT+I, ALT+E, DOWN-ARROW repeatedly until export is highlighted, ENTER
Save and Close Dialog	ALT+S
Close Dialog without Exporting	ESC

Accessible Objects

Name	Role
File name	Editable Text
Save as type	Combo Box
Save	Push Button
Cancel	Push Button

Note: This dialog uses the standard Windows File Save dialog which provides built-in keyboard accessibility for navigating drives and folders.

Help Menu

Contents

Keyboard Accessibility

Action	Keystroke(s)
Close Help Dialog	ALT+F4
Hide/Show navigation pane	ALT+O, ALT+T
Locate topic within contents tab	ALT+O, ALT+L
Back to previous topic	ALT+LEFT-ARROW
Forward to next topic	ALT+RIGHT-ARROW
Stop loading a page	ALT+O, ALT+S
Refresh the current topic	F5
Return to home page	ALT+O, ALT+H
Print current topic	ALT+O, ALT+P
Options	ALT+O

Accessible Objects

Name	Role
Show	Push Button
Hide	Push Button
Locate	Push Button
Back	Push Button
Forward	Push Button
Stop	Push Button
Refresh	Push Button
Home	Push Button
Print	Push Button
Options	Push Button

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About LTAS Dialog

Keyboard Accessibility

Action	Keystroke(s)
Display Dialog	ALT+H, ALT+A
Close Dialog	ENTER or ESC or SPACE

Accessible Objects

Name	Role
OK	Push Button