



Adding custom interventions in LiST

<location>

<date>

LiST and new interventions

A new treatment with proven 95% effectiveness against pneumonia is introduced in country X in 2018

Can it be added to LiST?

YES



Step by step

1

2

3

The screenshot shows the 'Practice - Spectrum' application window. The 'Modules' tab is active, and the 'Configuration' module is selected. A dialog box titled 'LiST configuration - Practice' is open, displaying the 'Configuration' settings. The 'Modify LiST years' section shows the 'First year of intervention program' set to 2018. The 'Select options' section has four unchecked checkboxes: 'Display sensitivity bounds around results', 'Direct entry of stunting', 'Direct entry of wasting', and 'Direct entry of fertility risks'. The 'Create and manage custom interventions' section has a 'Manage interventions' button highlighted with a green box. A tooltip at the bottom right of the dialog box reads: 'Custom interventions may be added and managed here. Standard interventions that are added will appear in Coverage and Effectiveness editors. Vaccine interventions will additionally appear in the Herd effectiveness editor.'

Step by step

4

The screenshot shows the 'Practice - Spectrum' application window. The 'Manage interventions - Practice' dialog box is open, displaying instructions for creating and managing interventions. The 'Create intervention' button is highlighted with a green box. A green arrow points from the 'Configuration' tab in the background to the dialog box.

Click 'Create Intervention' to create a new intervention

Take the following steps to create impact for the interventions

- 1 Adjust coverage: Visit the coverage editor and look for the intervention under the tab associated with its type. Enter the desired coverages.
- 2 Link interventions to death causes: Visit the desired effectiveness editor, select 'Show all items' at the bottom of the page, find the intervention underneath the appropriate type, and supply effectiveness and affected fraction values.
- 3 Create herd effects for vaccine: Visit 'Herd effectiveness of vaccines,' Click the 'Custom vaccines' tab, scroll to the vaccine that you wish to link in, and enter herd effect values. Note: 'Custom vaccines' tab will only appear if the vaccine has been linked to death causes. To do this,

Click 'Link Interventions' to build new links for non-custom interventions

Click 'Export interventions' to transfer custom interventions to outside projections

Step by step

5. Name the intervention



Create intervention - Practice

Enter intervention name

Intervention name

Choose intervention type

Groups

- Periconceptual
- Pregnancy
- Childbirth
- Vaccines
- Preventive
- Curative
- Curative - Moderate wasting
- Curative - Severe wasting

Enter note about intervention (optional)

This intervention affects childhood pneumonia

Ok Cancel

6. Choose where it is delivered



7. Add notes you want to remember



Step by step

8. Select the appropriate effectiveness tab

Effectiveness of interventions (1-59 months) - Practice

Vaccine effectiveness options

- Double click on each vaccine to enter effectiveness of incomplete doses.

Show all items

Diarrhea Pneumonia Meningitis Measles Malaria Pertussis Injury Other

	1-5 months		6-11 months		12-23 months		24-59 months	
	Effectiveness	Affected fraction	Effectiveness	Affected fraction	Effectiveness	Affected fraction	Effectiveness	Affected fraction
HepB vaccine - Three doses	0.000	1.000	0.000	1.000	0.000	1.000	0.000	1.000
Pneumococcal vaccine - Three doses	0.580	0.328	0.580	0.328	0.580	0.328	0.580	0.328
Rotavirus vaccine - Two doses	0.000	1.000	0.000	1.000	0.000	1.000	0.000	1.000
Meningococcal A - Single dose	0.000	1.000	0.000	1.000	0.000	1.000	0.000	1.000
Malaria vaccine - Three doses	0.000	1.000	0.000	1.000	0.000	1.000	0.000	1.000
Measles vaccine - Single dose	0.000	1.000	0.000	1.000	0.000	1.000	0.000	1.000
Curative after birth								
ORS - oral rehydration solution	0.000	1.000	0.000	1.000	0.000	1.000	0.000	1.000
Antibiotics for treatment of dysentery	0.000	1.000	0.000	1.000	0.000	1.000	0.000	1.000
Zinc for treatment of diarrhea	0.000	1.000	0.000	1.000	0.000	1.000	0.000	1.000
Oral antibiotics for pneumonia	0.700	1.000	0.700	1.000	0.700	1.000	0.700	1.000
Vitamin A for treatment of measles	0.000	1.000	0.000	1.000	0.000	1.000	0.000	1.000
ACTs - Artemisinin compounds for treatment of mala	0.000	1.000	0.000	1.000	0.000	1.000	0.000	1.000
SAM - treatment for severe acute malnutrition	0.000	1.000	0.000	1.000	0.000	1.000	0.000	1.000
Intervention name	0.950	1.000	0.000	1.000	0.000	1.000	0.000	1.000

9. Check "Show all items"

10. Enter your intervention's effectiveness and affected fraction

*Herd effectiveness for vaccines can also be edited here

Display default Restore defaults

Ok Cancel Duplicate Interpolate

Accurate and **well-supported** information about the effectiveness and affected fraction for your new intervention is essential for the model to work properly

The quality of your **results** depends on the quality of the data of your **inputs**

Step by step

11. Adjust the coverage level



Coverage - Practice

Periconceptual Pregnancy Childbirth Breastfeeding Preventive Vaccines **Curative**

Intervention (%)	2018	2019	2020	2021	2022	2023	2024	2025
Maternal								
Maternal sepsis case management	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Neonatal								
Case management of premature babies	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
*Thermal care	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
KMC - Kangaroo mother care	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Full supportive care for prematurity	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Case management of neonatal sepsis/pneumonia	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
Oral antibiotics for neonatal sepsis/pneumonia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
**Injectable antibiotics for neonatal sepsis/pneum...	48.3	48.3	48.3	48.3	48.3	48.3	48.3	48.3
Full supportive care for neonatal sepsis/pneumonia	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Diarrhea								
ORS - oral rehydration solution	46.2	46.2	46.2	46.2	46.2	46.2	46.2	46.2
Antibiotics for treatment of dysentery	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
Zinc for treatment of diarrhea	9.6	9.6	9.6	9.6	9.6	9.6	9.6	9.6
Other infectious diseases								
Oral antibiotics for pneumonia	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
***Vitamin A for treatment of measles	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
ACTs - Artemisinin compounds for treatment of mala	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
SAM - treatment for severe acute malnutrition	9.3	9.3	9.3	9.3	9.3	9.3	9.3	9.3
MAM - treatment for moderate acute malnutrition	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
HIV								
Cotrimoxazole								
ART								
Intervention name	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

*Thermal care-- automatically calculate components
 **Injectable antibiotics for neonatal sepsis/pneumonia-- automatically calculate components
 ***Vitamin A for treatment of measles-- automatically calculate components

Ok Cancel Duplicate Interpolate Help

To check results

The screenshot displays the 'Practice - Spectrum' software interface. The top navigation bar includes 'File', 'Home', 'Modules', and 'Tools'. Below this, a ribbon contains icons for 'Set Active', 'Manager', 'Projection Sources', 'DemProj', 'AIM', 'LIST', 'FamPlan', 'Group', and 'Favorites'. A secondary navigation bar shows 'Configuration', 'Health status, mortality and economic status', 'Coverage', 'Effectiveness', and 'Results'. The 'Results' dropdown menu is open, showing options like 'Neonatal', 'Child', 'Maternal', 'Stillbirth', 'Mortality rates', 'Nutrition', 'Incidence and etiology', and 'Inputs'. The 'Child' option is selected, revealing a sub-menu with 'Child deaths', 'Child deaths by cause', 'Additional child lives saved', 'Additional child lives saved by cause', 'Additional child lives saved by intervention', and 'Additional child lives saved by intervention by cause'. The 'Additional child lives saved by intervention' option is highlighted. The main content area on the left is titled 'File management' and includes sections for 'New projection', 'Open existing projection', and 'Recently opened projections'. Below this is the 'Edit data and view results' section, which explains that clicking an icon in the menu group will display the module's editor and results menu bar.

Practice - Spectrum v5.68

File Home Modules Tools

Set Active Manager Projection Sources DemProj AIM LIST FamPlan Group Favorites

Projection Demogra HIV MNCH Display

Configuration Health status, mortality and economic status Coverage Effectiveness Results

Welcome

File management

New projection
To get started, click here to create a new projection

Open existing projection
Browse to find and open a previously saved projection

Recently opened projections
Select a recent projection from the list provided

[Click here or on the application button above for additional file options](#)

Edit data and view results

To edit a specific module's data or view results, click its icon in the menu group above. This will display the module's editor and results menu bar for appropriate selection.

Ready 0% Practice

Results!

Practice_HELP - Spectrum v5.68

File Home Modules Tools

Set Active Manager Projection Sources DemProj AIM LIST Group Favorites

Projection Demogra HIV MNCH Display

Configuration Health status, mortality and economic status Coverage Effectiveness Results

Welcome Additional child lives saved by int...

Additional child lives saved by intervention (Total (0-59 months))

	2015	2016	2017	2018	2019	2020	2021	2022
Practice_HELP								
Pregnancy								
PMTCT - Prevention of mother to child transmission ...	0	-6	-8	-3	8	18	27	31
Vaccines								
DPT vaccine	0	0	2	7	7	7	8	8
H. influenzae b vaccine	0	1	11	40	40	41	42	43
Pneumococcal vaccine	0	141	283	428	436	444	451	459
Rotavirus vaccine	0	55	110	161	164	167	170	173
Measles vaccine	0	-4	2	34	35	35	36	36
Curative after birth								
Cotrimoxazole	0	1	42	-18	-12	-8	-9	-8
ART	0	2	5	17	15	9	1	17
Intervention name	0	644	1,291	1,936	2,626	3,337	4,070	4,825

Configure

Ready 0% Practice_HELP