

Annex 3

SURVINZ

Surveillance Infrastructure New Zealand

Specialist Science Solutions

Manaaki Tangata Taiao Hoki protecting people and their environment through science

ESR

- Supply range of scientific services to government organisations and commercial companies in New Zealand and the Asia-Pacific region
- Carry out research into
 - _ envirogenomics/proteomics/chemical genetics
 - _ microbial and chemical forensics
 - _ risk and risk management



Programmes within ESR

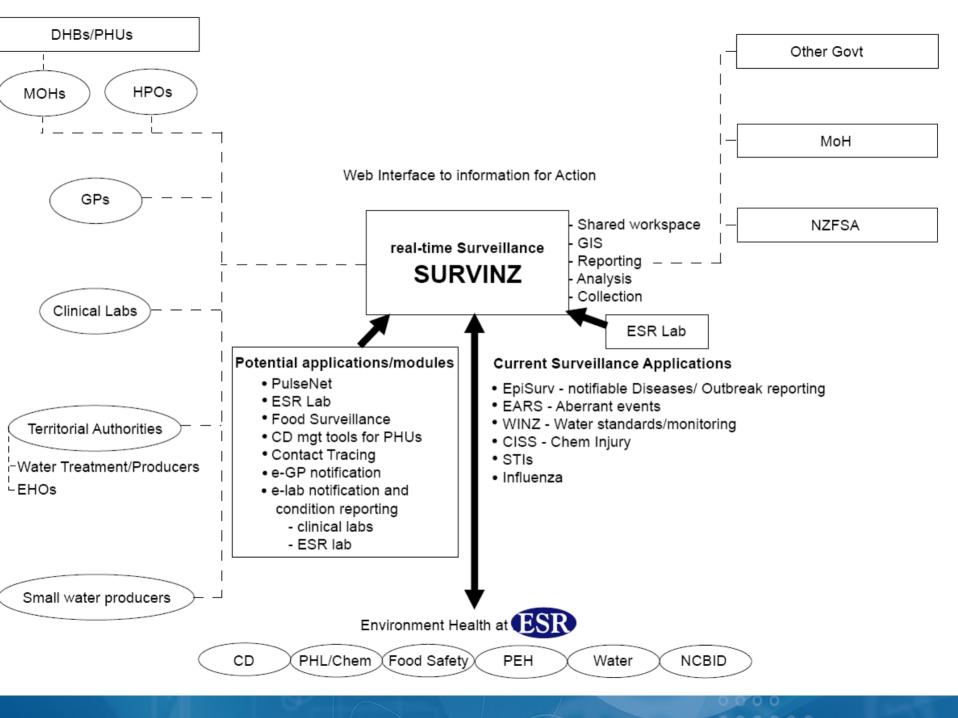
- Environmental Health
 - communicable disease
 - food safety
 - population and environmental health
 - systems thinking, action research and social science
 - water management
- Forensic Science



New system requirements

- Real time surveillance
- Need to integrate notifiable disease records and laboratory records
- Need to integrate notifiable disease and environmental data





Scope of Project

- All ESR systems that generate data used in surveillance will ultimately reside on the SurvINZ platform
 - EpiSurv
 - ESR Lab
 - CISS
 - WINZ 6 system
 - STI surveillance
 - Influenza surveillance
 - MRSA
 - TB DNA



Scope

- Implementation of the Surveillance Architecture Infrastructure to support
 - Existing Surveillance applications (ESRLab and others)
 - Ad-hoc and one-off data gathering and analysis projects that occur over time, within a common framework, utilising common tools and standards
 - Redeveloped WINZ application
 - Redeveloped EpiSurv application



Scope (continued)

- Development of Common Surveillance standards and conventions for
 - Data storage and management
 - Data Warehouses
 - Reporting
 - Project Collaboration Services
- Integration Services for integration of externally provided and internally generated data across systems
- Redevelopment of EpiSurv



EpiSurv 7

- A secure, web based application, for data entry and reporting based on the new Surveillance Application Architecture
- Increased validation, drop down lists etc to improve the quality of data at the point of entry
- Enhanced Geographical Information System (GIS) capability
- Enhanced reporting capability, both at a National and local level
- Ability to combine data across a Public Health Service
- Flexibility to include new diseases without application development change
- Improved integration and capability for Outbreak reporting
- Real time or near real time reporting at a National level
- Improved Security capability, audit trails, user identification

 Ease of deployment and management in the external user © ESR 2000 vironment

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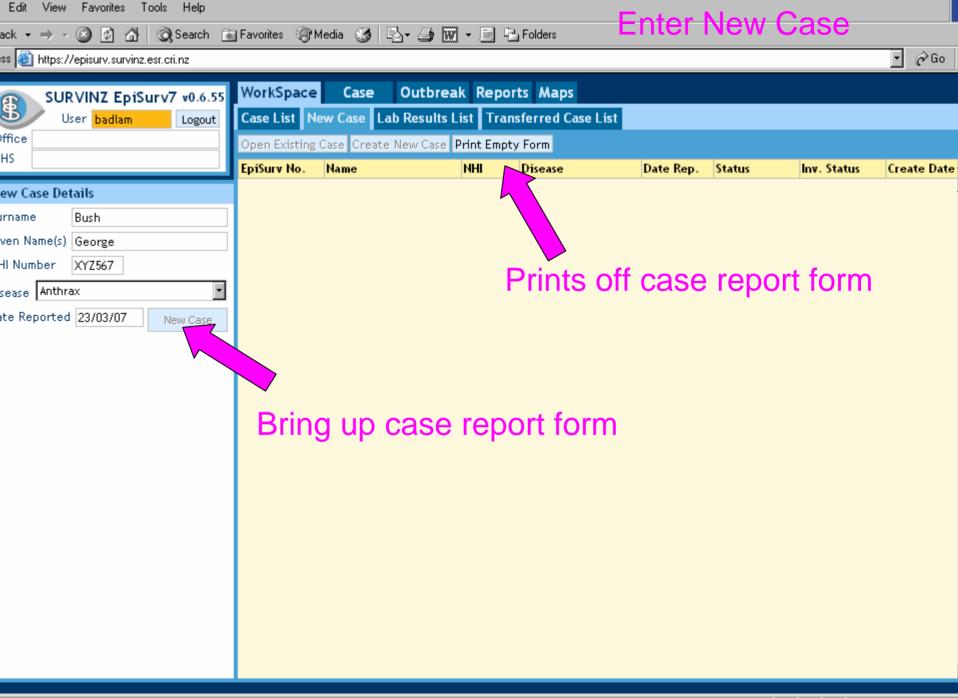


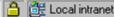
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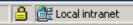




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All NZ Case Detail All NZ Case Summary	* N004 - Cases By Week by Health District Display Summary of the number of notified cases by disease and Health District by selected week. * N005 - Monthly Totals for the Last 12 Months Display Summary of the number of notified cases by disease and month for the last 12 months.						



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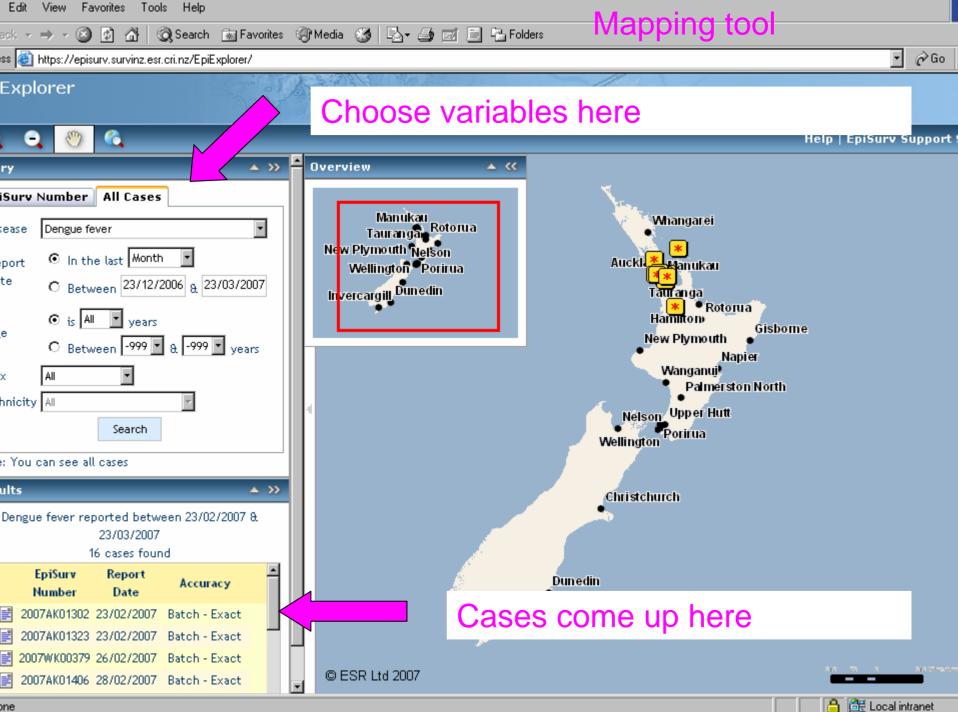
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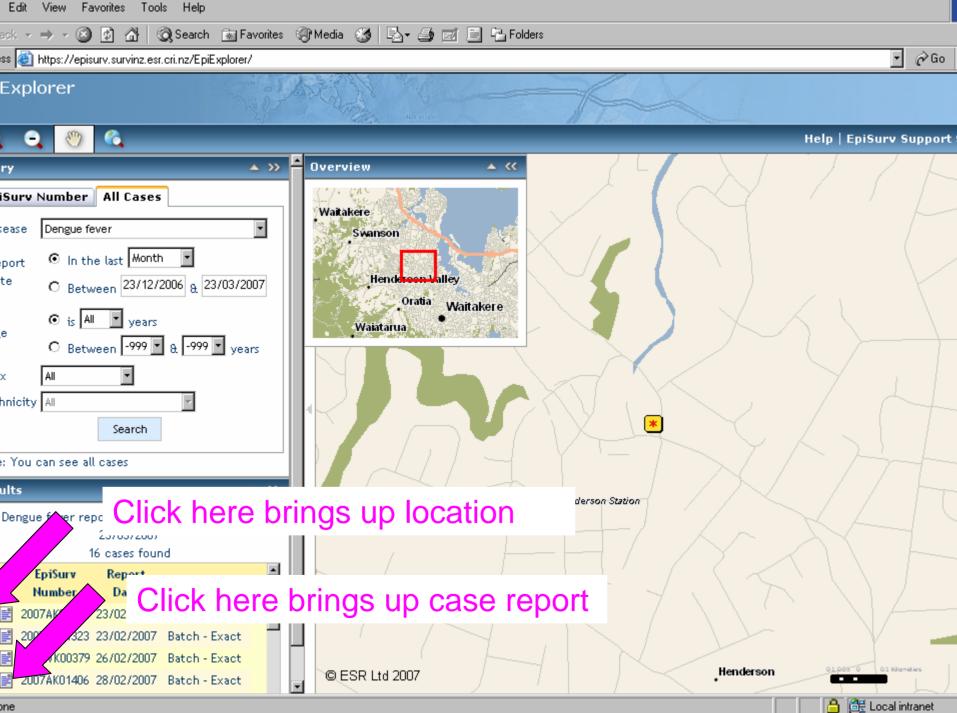
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Anthrax	2	0	0	0	0	2
Brucellosis	1	0	0	0	0	1
Campylobacteriosis	4	1985	4	49	0	2042
Cryptosporidiosis	1	104	0	5	0	110
Dengue fever	3	42	2	1	0	48
Gastroenteritis - unknown cause	10	10	15	18	0	53
Gastroenteritis / foodborne intoxication	0	2	9	3	0	14
Giardiasis	0	209	0	7	0	216
Haemophilus influenzae type b	0	6	0	0	0	6
Hepatitis A	0	11	0	0	0	11
Hepatitis B	1	5	0	2	0	8
Hepatitis C	2	3	0	0	0	5
Hepatitis NOS	0	1	1	0	0	2
Lead absorption	0	7	0	3	0	10
Legionellosis	5	3	0	0	0	8

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piSur∨7 Data Extract Tool

This tool allows you to select a set of EpiSurv data to extract for further analysis. The extract details can be saved and rerun at a later ime. Contact the EpiSurv Support Centre for help with complex queries. (Excludes the status: "Not a case")

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piSurv7 Data Extract Tool

This tool allows you to select a set of EpiSurv data to extract for further analysis. The extract details can be saved and rerun at a later ime. Contact the EpiSurv Support Centre for help with complex queries. (Excludes the status: "Not a case")

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