

COMPUTERISED INFECTIOUS DISEASE REPORTING – CIDR

KEY POINTS

- The highest ever annual number of notifications was recorded on CIDR in 2014
- Virtual infrastructure security model and backup procedures developed and implemented
- IS27001 Information Security accreditation was retained
- The number of active CIDR users in 2014 was 269
- 25 new users were trained during 2014
- CIDR 3.1 and 3.2 and 3.2.1 and 3.2.2 were released
- CIDR Business Rules v3 was finalised and approved

CIDR OPERATIONS

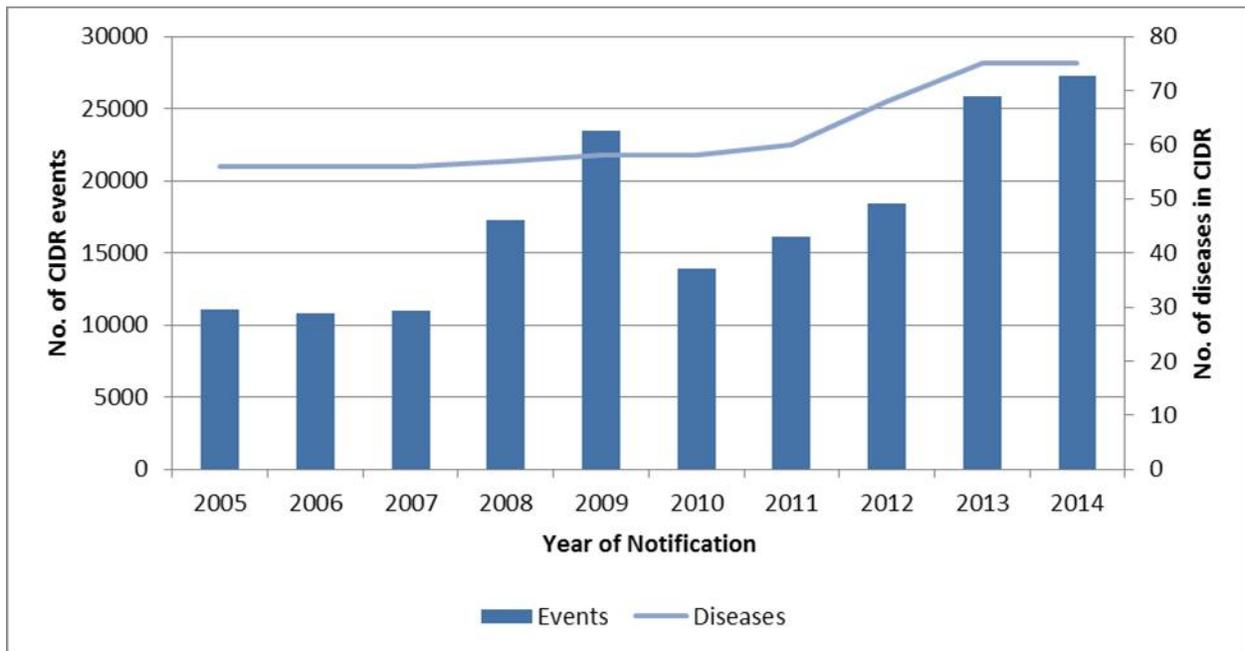


Figure 1. The volume of statutory infectious disease notifications and corresponding number of diseases in CIDR per year, since 2005 when national implementation commenced (as of 14th September, 2015)

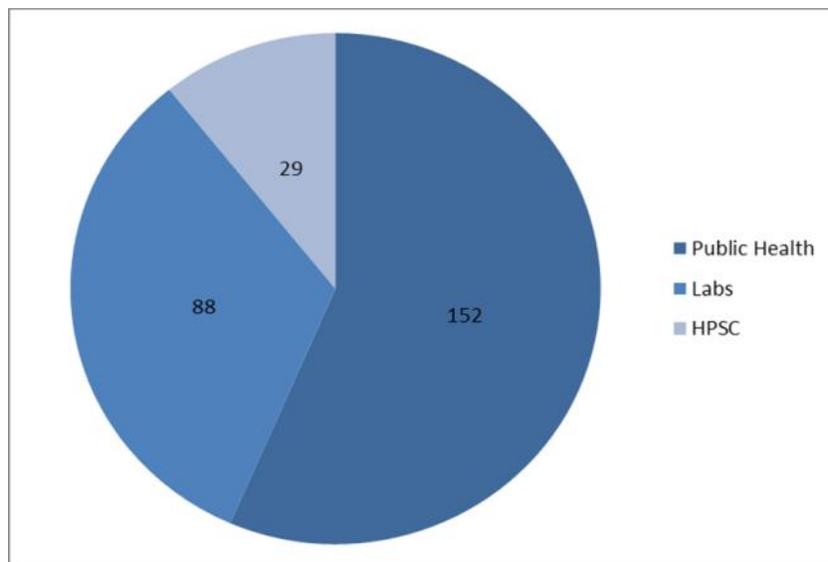


Figure 2. The number of users of the CIDR system in Departments of Public Health, in diagnostic and reference laboratories and in HPSC in 2014 (total=269)

INFRASTRUCTURE AND SOFTWARE UPGRADES FOR CIDR

A new security model for the CIDR virtual infrastructure was developed, implemented and independently audited in 2014. The backup system was updated to incorporate the new virtual system software versions and the new hardware and was configured to operate in parallel with the existing data backup system. The Disaster Recovery system was fully incorporated into the nightly backup process to increase resilience. This provides an independent fully functional copy of the entire production system nightly, to the Disaster Recovery system. The RSA Authentication software was also updated during 2014.

INFORMATION SECURITY ACCREDITATION

Following two maintenance audits in March and September 2014, HPSC and CIDR retained ISO 27001 accreditation. The HPSC Information Governance Framework, which includes CIDR, provides reassurance to users and partners of the CIDR system, the Data Protection Commissioner and the data subjects relating to sensitive data stored and managed by the system. Maintenance of this accreditation standard is vital to information security.

CIDR USER TRAINING

25 new CIDR users were trained during 2014. There were 16 public health and 9 laboratory users trained.

CIDR APPLICATION SOFTWARE UPDATES

There were two major functional releases (v3.1 and v3.2) and two minor maintenance releases (v3.2.1 and 3.2.2) of the CIDR Application software during 2014. The outbreak management functionality was improved significantly in release v3.2.

GOVERNANCE AND COMMUNICATIONS

The National CIDR Steering Group continued to provide guidance and oversight of CIDR through 2014 and met by teleconference on two occasions during the year. The National CIDR User Group convened on four occasions throughout the year, also by teleconference, to discuss the ongoing use of CIDR and associated developments.

CIDR BUSINESS RULES

The CIDR National Business Rules Review Group met on six occasions by teleconference to review and update the CIDR Business Rules. CIDR Business Rules v3 were finalised and approved during 2014.