

ESR Interface Catalogue

Background

The following interface catalogue aims to present existing interfaces available to NHS Organisations.

Interface offerings are available in one of the following two formats: batch/CSV/FTP or API. The batch/CSV/FTP offering involves the exchange of data files, usually on a schedule eg daily, weekly, monthly and can be referred to as “push interfaces”. Most of the existing interface offerings are in this format and require overnight processing.

The API offering enables the sharing of data on-request and in real-time using a ‘call and response’ mechanism.

For more information, users are encouraged to navigate to the “**Document Library**” section of the My ESR Hub in the first instance. To request further details of an interface, such as the functional specification:

- **Employing organisations** should log a call on the ESR Service Desk using the “Request a Service” menu and selecting the relevant interface.
- **System suppliers** should email esr.interfaces@nhs.net if they do not have access to the ESR Service Desk.



Electronic Staff Record



API Interfaces

API	Direction		Funding	Description
	Get	Set		
Advance Pay	✓		Chargeable	Employment Status & Pay Details for advance pay requests
Care Identity Service	✓	✓	ESR Funded	Add / Update / Remove employee smartcard access in CIS
Covid 19 Digital Staff Passport	✓		NHS England Funded	Enables the temporary digital passport system to read employee details, allowing safe and rapid staff movements between NHS organisations in support of NHS England's Covid-19 response. This interface will be decommissioned in December 2023.
Digital Staff Passport	✓		NHS England Funded	Provides the ability to retrieve current workforce information from ESR within the current employing NHS organisation, and the ability to receive a notification of employees in scope whose ESR record has been updated.
Doctors in Training (DiT) Employment Checks	✓	✓	Chargeable	Allows existing Doctors in Training applicant records held in ESR (created by the interface with HEE's Trainee Information System (TIS)) to be supplemented with employment check details from Trac.

Batch/CSV/FTP Interfaces

Interface	Direction		Frequency	Funding	Description
	In	Out			
Absences	✓		15 mins	Chargeable	Create/Modify/Delete absences in ESR (eg Sickness / Annual Leave / Maternity / Paternity / Adoption)
Active Directory		✓	Daily	Chargeable	Feed of Employee and Assignment data for local processing to identify Joiners/Movers/Leavers to update AD system.
Advance Pay		✓	Weekly	Chargeable	Employment Status & Pay Details for advance pay requests
Attendance	✓		Hourly	Chargeable	Add pay elements against the employee (eg Overtime / Enhancements / Standby / On Call).
Disclosure Barring Service (DBS)	✓	✓	Daily	ESR Funded	Checks the DBS status of eligible employees and sends employers a notification when there is an adverse status. Key components of the link are around the update service and barring referrals.

Interface		Direction		Frequency	Funding	Description
		In	Out			
Disclosure Checks Service (DCS)		✓	✓	Daily	Chargeable	Provides ability to receive DBS information from third-party Disclosure Checks Facilitators eg permission to check DBS status flag / DBS certificate number.
Email Addresses		✓		TBC	Chargeable	Processes updates to employee email addresses in ESR.
Expenses	Staff Lists		✓	Daily	Chargeable	Feed of Employee and Assignment data for local processing into an expenses system.
	Expense Claims	✓				Add pay elements against the employee (eg Mileage / fares & accommodation).
Generic Outbound			✓	Daily	Chargeable	Feed of Employee and Assignment data for local processing
GL / Finance Weekly / Monthly Pay Costs			✓	15 mins	Support is ESR Funded Changes to the interface are chargeable	Provides the costing details for the payroll to be passed into the relevant finance system.
Learning - Core Skills Training Framework	Staff Lists		✓	Daily	Chargeable	Employees / Assignments / Competencies
	Competence Completions	✓		Daily		Competence Completions
Local Data Warehouse			✓	Daily	Chargeable	Feed of Employee, Assignment and other employee and organisational related data for local processing into a local data warehouse.
MyCSP (Civil Service Pension Scheme)			✓	Monthly	Chargeable	Feed of pension related data for loading into the MyCSP system.
NHS Pension	Changes		✓	Daily	ESR Funded	Notifies NHS Pensions of certain changes to the ESR Person Record and the Pension NHS element held on ESR.
	New Joiners		✓	Weekly		Provides NHS Pensions with details of every new joiner who is entitled to join the NHS Pension Scheme to allow that a person's employment record can be created in Pensions Online (POL).
	Update		✓	Weekly		Notifies NHS Pensions of Leaver records in ESR, resulting in the electronic equivalent of the SD55 form being forwarded at the end of the Pay Period.
	Inbound		✓	Daily		Processes membership data received from NHS Pensions to update ESR.
	Year End		✓	Annual		Provides NHS Pensions with Year To Date balances for all

Interface		Direction		Frequency	Funding	Description
		In	Out			
						assignments in ESR still enrolled in the NHS Pension Scheme as at the Financial Year End.
Occupational Health	Staff Lists		✓	Daily	Chargeable	Feed of Employee & Assignment related data for processing into a local Occupational Health system
	Immunisations	✓	✓	Daily		Exchanges Immunisation details for employees between ESR and Occupational Health system.
	Assessments	✓	✓	Daily		Exchanges Assessment outcomes between ESR and Occupational Health system.
Professional Registrations	GDC	✓		Daily	ESR Funded	Checks the status of the General Dental Council registrations on the public register and updates the GDC status on the employee record in ESR.
	GMC	✓		Daily		Same as above but for General Medical Council
	HCPC	✓		Daily		Same as above but for Health Care Professional Council registrations
	NMC	✓		Daily		Same as above but for Nursing & Midwifery Council registrations
	GPHC *	✓		Daily		Same as above but for General Pharmaceutical Council
	GMC Outbound		✓	Weekly		Provides person, professional registration and assignment information to the GMC to assist with the revalidation of Doctors. Note that this is not part of the Professional Bodies interface.
Recruitment	E-Recruitment	✓	✓	Hourly	ESR funded	This interface exchanges information with e Recruitment systems which allows data relating to recruitment activities, such as requisitions and vacancies, and applicant information for potential new starters to flow into ESR
	Pre-Employment Checks	✓	✓	Hourly		This interface exchanges pre-employment checks information with third party Recruitment systems, so that ESR holds detail of all the recruitment checks (post-employment), for audit purposes.
Rostering	Staff Lists		✓	Daily	Chargeable	Feed of employee, assignment, planned absences, competencies for loading into a Rostering System
	Pay Variations	✓		Hourly		Add pay elements against the employee (eg overtime, enhancements, standby & on call).
RPP	BPEL		✓	Real Time	ESR Funded	New Smartcard (Add User) requests, Person and Position

Interface		Direction		Frequency	Funding	Description
		In	Out			
(Smartcard/CIS)	Smartcard record updates					outbound record changes from ESR to the NHS Digital Care Identity Service (CIS) via BPEL.
Shared Service Centre	Staff Lists		✓	Daily	Chargeable	Employees / Assignments
Streamlined Doctors in Training	Person Update		✓	Daily	ESR Funded	Provides ESR Person Updates to the systems which manage Medical Training - such as TIS and Intrepid.
	Applicant	✓		Daily		Creates an applicant record for Doctors in Training within their allocated placement employer VPD.