

National respiratory audit programme (NRAP)

COPD: Data flows Section 251 approval: 23/CAG/0045

NHSD DARS and DHCW (Data Linkage) Third party applicants Crown Informatics Imperial College London Data Controller: HQIP Data controller: RCP (Web-tool contractor) (Analysis contractor) **Royal College of Physicians** Data Processor: Crown, RCP, NHSD, Data Controller: HQIP Data Controller: HQIP Data Controller: HQIP DHCW Existing datasets **Trusts/Services** Data Processer: Crown Data Processor: Imperial Data Processor: RCP Data Controller: Multiple 251 CAG) Secondary care **NHSD** link data and provide HES hospital/trust patient data Trusts/services send Identifiable COPD audit data (with NDO applied) and ONS data for COPD audit cohort Unlinked data identifiable COPD audit data stored in web-tool. Controller: hospital/trust + non-sensitive data for patients Identifiable; sensitive Data: identifiable; sensitive to web-tool Identifiable; with COPD codes not in cohort (case RCP receive anonymised, sensitive ascertainment). aggregated (i.e. analysed) data from Imperial to provide Sensitive IMD data commentary and publish: DHCW link data and provide PEDW Controller: NHS Digital - COPD Audit National data for COPD audit cohort + non-(NHSD) Crown sends identifiable Reports sensitive data for patients with Data: identifiable; sensitive data to NHSD/DHCW for - Combined National Reports COPD codes not in cohort (case linkage purposes. - Peer reviewed articles Imperial receive pseudonymised, Identifiable; sensitive ascertainment). - Abstracts and presentations patient level data to conduct Trusts/services able to Small numbers are analyses for audit and research Identifiable; sensitive suppressed download ONS mortality data outputs. Anonymised and aggregated extracts/reports of own Controller: NHSD Sensitive NHSD and DHCW pseudonymise the data from web-tool for Data: Identifiable; sensitive linked data as follows: local review. Imperial combines data from HES, NHS number changed to study ID, PEDW, ONS with COPD data. DOB changed to age, Postcode to Sensitive LSOA. NHSD would also apply NDO to English data. HES data Data is then transfered to Imperial Controller: NHSD College London Data: identifiable; sensitive Crown pseudonymises data - NHS number changed to study ID, DOB Sensitive Linked data Publicly available Run RCP receive anonymised, charts provided on webaggregated (i.e. analysed) changed to age, Postcode to LSOA. tool data from Crown to provide PEDW data publish COPD regional Anonymised and Controller: Welsh The same data is reports. HQIP. aggregated anonymised for RCP Government (DHCW) Small numbers are Sensitive Data: identifiable; sensitive suppressed Anonymised and aggregated RCP). and the RCP). Key User information is stored Red = Identifiable (Section 251 Trusts/services register RCP NRAP team has access to by Crown on the NACAP user information on approval) user information via the RCP NACAP audit web-tool. web-tool. Purple = Identifiable Trust user NRAP web-tool for Imperial publish research Identifiable; sensitive Identifiable; sensitive (Consent) findings [post approval by the administrative purposes. RCP and HQIP's DARG process]. Blue = Anonymised Identifiable; sensitive Green = Anonymised and Aggregated Anonymised and aggregated Small numbers suppressed Yellow = Pseudonymised

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