



Appraisal and revalidation - time to assess the evidence

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Appraisal and revalidation - time to assess the evidence

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KEY MESSAGES

- **Appraisal is the product of two determining discourses: regulation and professionalism. It aims to respond to distinct, often competing priorities which require different processes.**
- **There is currently little evidence of appraisal achieving its objectives which range from assuring a doctor's fitness to practise and performance management, to driving personal and professional development whilst providing coaching, mentoring and pastoral care.**
- **The pause of appraisal and revalidation during the pandemic offers an opportunity for clarification of its purpose. This should be followed by research to identify the appropriate intervention tools and outcomes, measurement of intended and unintended consequences, and evaluation of cost-effectiveness.**

Contributors and sources

The authors worked together on the initial manuscript and revisions and all shared in the design, literature review, and drafting of the manuscript. VTB is a GP and an appraiser and has been involved in research on the design and evaluation of complex interventions and their effect on professional behaviour. MM is a GP and honorary fellow of the Centre for

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3 34 Evidence Based Medicine in Oxford University. CH is Professor of Evidence Based
4 35 Medicine in Oxford University.

5 36
6 37 VTB is the guarantor of the article.
7 38

8 39 **Conflicts of Interest**

9 40 We have read and understood [BMJ policy on declaration of interests](#) and have the following
10 41 interests to declare: VTB is a GP appraiser. MM has previously written of her concerns about
11 42 appraisal. All have to undergo appraisal as part of revalidation. There are no other potential
12 43 conflicts of interest.
13 44

14 45 **Licence**

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20 51

21 52 **Patient and Public Involvement**

22 53 This analysis did not involve patients or the public in its design or reporting. Any redesign of
23 54 appraisal and revalidation will need to involve patients and the public as key stakeholders.
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Appraisal and revalidation - time to assess the evidence

Introduction

The pause of appraisal and revalidation during the pandemic offers an opportunity for critical thinking on their purpose and cost-effectiveness and for redesign of their processes argue Victoria Tzortziou Brown and colleagues.

The COVID-19 pandemic has resulted in the General Medical Council (GMC) taking a more flexible approach to regulation, with appraisals largely suspended to allow doctors to focus on clinical safety and workload.¹ Preparing for its reinstatement, we argue for the need for clarification of the purpose of appraisal, an evidence-based approach for its implementation and the need for ongoing evaluation.

Medical revalidation and appraisal

Revalidation practices vary widely amongst countries in the absence of a unified agreement surrounding its definition, mechanisms and appropriate design.² Some countries have no formal process in place³ while others heavily rely on evidence of continuing medical education.²

The GMC is the first regulator in the world to implement a compulsory and comprehensive revalidation process⁴ for over 335,000 doctors on its register.⁵ According to the GMC, revalidation "gives your patients confidence that you're up to date".⁶ A cost and benefit analysis in 2012 showed that, in England alone, revalidation would cost the NHS nearly £1billion over a ten-year period.⁷ The expected benefits included: increased public trust and confidence in doctors, improved patient safety and quality of care, reduced costs of support for underperforming doctors, reduced malpractice and litigation costs, better information about care quality and positive cultural change in the medical profession⁸ but there is no evidence these have materialised.

Appraisal is the only route to revalidation and must contain supporting information under six defined categories: continuing professional development, quality improvement activity, significant events, feedback from patients and colleagues, and complaints and compliments.⁹ Most doctors (97%) revalidate through annual appraisals and a five-yearly recommendation to the GMC from their responsible officer, based on the outputs from their appraisals.⁹

There is an ongoing tension on whether the mode of revalidation and its key component, appraisal, should be summative (a pass/fail test against a defined standard), or formative (a

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3 93 flexible, informative exchange of information).^{10, 11, 12} This tension results from unclear
4 94 articulation of what problem appraisal is trying to solve whilst responding to numerous
5 95 stakeholders with competing priorities.¹³
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9 97 The current roles of appraisal appear to include a combination of assuring a doctor's fitness
10 98 to practise, performance management, driving personal and professional development and
11 99 providing coaching, mentoring, pastoral care and support. This panoply of undertakings
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13 100 means appraisal has become a mini industry, with numerous personnel planning,
14 101 overseeing, recording, or performing appraisal, and commercial and membership
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16 102 organisations offering tools to complete it. In the absence of a clear and consistent aim of
17 103 appraisal, we evaluate each of these purported purposes.
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105 **Appraisal and assurance of fitness to practice**

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22 106 The White Paper on medical regulation¹⁴ proposed that appraisal should remain central to
23 107 the revalidation process with a greater emphasis on the summative aspects 'which confirm
24 108 that a doctor has objectively met the standards expected'. However, there is no relevant
25 109 research and evidence on what tools, data and processes can objectively demonstrate that
26 110 doctors meet these minimum expected standards.
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30 112 The Medical Board of Australia dropped the term 'revalidation' and instead developed a
31 113 "Professional performance framework" which proactively identifies doctors at risk of
32 114 performing poorly and includes strengthened assessment and management of medical
33 115 practitioners with multiple substantiated complaints.¹⁵
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37 117 The existing appraisal process in the UK has a strong focus on collecting, recording and
38 118 reflecting on supporting information. However, written reflection is not necessarily translated
39 119 into ongoing reflective practice¹⁶ and there is no robust evidence to show that appraisal
40 120 improves safety, patient outcomes or gives patients confidence in doctors.¹⁷ In fact, the
41 121 existing process is often seen by doctors as onerous and bureaucratic.¹⁸ Accordingly,
42 122 appraisal and revalidation were largely suspended during the COVID-19 pandemic "to free
43 123 up capacity to maintain essential care".¹⁹ Additionally, retired doctors were automatically re-
44 124 registered with the GMC and told they did not have to engage with revalidation.²⁰
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126 **Appraisal and performance management**

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48 127 Another summative role of appraisal, especially in hospital settings, is performance
49 128 management. According to NHS England's Revalidation Support Team, medical appraisals
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3 129 may be used to ensure doctors are working in line with the priorities and requirements of the
4 130 organisation in which they practise.²¹

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8 132 The Review Body on Doctors' and Dentists' Remuneration has gone further by
9 133 recommending linking pay progression to achievement of excellence as assessed at
10 134 appraisal.²² However, the incorporation of job planning, performance reviews and pay
11 135 progression within the appraisal process introduces inherent conflicts of interests and
12 136 challenges around appraisal confidentiality.¹³ In addition, doctors are sometimes asked to
13 137 include evidence of mandatory training within appraisal documentation, an organisational but
14 138 not GMC requirement, which adds to the confusion and conflict.²³ Further, the role of the
15 139 responsible officer is often held by a senior clinician within the organisation which presents a
16 140 potential conflict, as the appraisee may want to raise contractual, safety or management
17 141 concerns.

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19 143 Performance management is poorly underpinned by evidence.²⁴ A rapid evidence
20 144 assessment²⁵ by the Chartered Institute of Personnel and Development showed that while
21 145 appraisal can contribute towards performance, there is considerable variation and often it
22 146 has no effect or even worsens performance. The review found that employees' reactions to
23 147 appraisals are especially influential, in particular whether they feel that appraisal judgements
24 148 are fair and useful. The review suggested that performance management should be a
25 149 continuous chain of connected activities, not a discrete process that is occasionally revisited
26 150 and recommended separating developmental performance issues from administrative ones,
27 151 as they involve different types of professional behaviour.²⁵

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29 153 **Appraisal, learning and professional development**

30 154 A formative element of appraisal is continuous professional development (CPD). Appraisal
31 155 is meant to help doctors identify, reflect on and plan to address their educational needs.²⁶
32 156 However, reliance on formal annual assessment of learning needs risks turning learning
33 157 from a reflexive and responsive process into a narrow and fixed one.²⁷

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35 159 There is little causal evidence to demonstrate a link between appraisal process and
36 160 improvement in practice.²⁸ A systematic review of multi-source feedback found limited
37 161 evidence of variable quality for its' influence over professional behaviour.²⁹ A 2014 NHS
38 162 Revalidation Support Team report summarizing research on the impact of medical
39 163 revalidation³⁰ found that only a quarter of doctors reported they changed their clinical
40 164 practice as a result of their last appraisal. According to a cross sectional GP survey, less
41 165 than half reported that appraisal enhanced learning or improved practice, and just over half

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3 166 said that it encouraged CPD.²⁸ Findings are often based on self-reported, subjective
4 167 assessments on the impact of appraisal and results can vary widely. For example, feedback
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6 168 in 2019 using the NHS England Medical Appraisal Policy questionnaire, found that 91% of
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8 169 doctors agreed that appraisal was useful for promoting quality improvement³¹ but only 34%
9
10 170 responded 'yes' to this question in the 2017 Royal College of General Practitioners' survey.

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14 173 Appraisal provides a means to document practice but may not necessarily improve it and
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16 174 some doctors identify potentially negative impacts on practice and professional autonomy.¹⁶
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18 175 According to a survey of over 1000 UK GPs and trainees in 2017 "70% stated that
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20 176 summative, written reflection is a time-consuming, box-ticking exercise which distracts from
21
22 177 other learning."¹⁸ Another study reiterated the perception of a tick-box process which
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24 178 creates the impression of accountability³² and added that doubt about the value of appraisal,
25
26 179 or lack of trust, mean the process is more likely to be regarded as purely procedural.

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28 181 **Appraisal and professional coaching/mentoring**

29 182 Appraisal may go beyond identifying learning needs and agreeing CPD plans. It is
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31 183 sometimes seen as an opportunity for medical professionals to reflect on their careers,
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33 184 consider their aspirations and develop their potential. Thus, appraisal may adopt elements of
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35 185 career coaching and mentoring. However, these rely on the development of a trusting
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37 186 relationship over time rather than during a single annual encounter and both depend on
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39 187 confidentiality, an unconditional positive regard for the client and a non-judgmental
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41 188 approach.³³ Most organised mentoring schemes attempt matching of mentees with
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43 189 mentors.³⁴ Such conditions are not possible in the existing appraisal process and therefore,
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45 190 although coaching and mentoring are increasingly being advocated within the NHS and the
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47 191 GMC Good Medical Practice guidelines, such interventions are likely to be more effective
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49 192 outside the appraisal process.

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51 194 **Appraisal, life coaching and wellbeing**

52 195 A relatively new appraisal role is life coaching, which explores issues such as work-life
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54 196 balance, 'wellbeing' and pastoral care.^{31, 35} The GMC's report *Caring for doctors Caring for*
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56 197 *patients*³⁶ recognises that organisations which prioritise staff wellbeing provide better quality
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58 198 of care, see higher levels of patient satisfaction, and retain more of their workforce. The
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60 199 GMC has committed to working with relevant stakeholders towards improving doctors'
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201 200 working lives. However, it is unclear how appraisal can meaningfully contribute towards
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203 201 wellbeing.

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3 203 The appraisee is expected to use their own judgement when making health declarations. If a
4 204 health concern is identified during an appraisal, the matter is addressed within other
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6 205 processes, for example by an Occupational Health assessment, and not within a
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8 206 performance framework.³⁷ In addition, as the Academy of Medical Royal Colleges advised,
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10 207 a once a year intervention is not the right form of support.³⁸ Furthermore, a qualitative study
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12 208 showed that if appraisal data are used as evidence for revalidation, it can inhibit doctors from
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14 209 openly exploring difficulties or limitations.³⁹

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16 211 The evidence base for interventions aiming to identify and prevent mental health conditions
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18 212 among healthcare professionals is limited.⁴⁰ The NHS Staff and Learners' Mental Wellbeing
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20 213 Commission recommended a coordinated approach to promote staff wellbeing including
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22 214 suitable, safe and confidential work spaces where staff can socialise, share and discuss
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24 215 experiences, as well as quick access to proactive occupational health, emotional and
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26 216 psychological support services.⁴¹

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27 218 Not only appraisal may not be the most effective tool for identifying and addressing health
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29 219 needs, but some appraisees perceive the process as unhelpful, time consuming and of low
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31 220 value^{18, 42} with some evidence showing appraisal and revalidation having a negative impact
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33 221 on morale and burnout and contributing to GPs and consultants leaving the profession.^{43, 44} It
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35 222 has been argued that this may be due to their inflexibility and time-consuming nature and
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37 223 that women aged between 30 and 39 are disproportionately affected.⁴⁵

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225 **Redesigning appraisal**

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39 226 Medical Research Council guidance⁴⁶ on developing and evaluating complex interventions
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41 227 emphasizes the need for clarity of purpose. The draft updated guidance⁴⁷ recommends
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43 228 understanding problems in order to propose informed solutions, identifying existing
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45 229 evidence, involving relevant stakeholders, and developing programme theory describing how
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47 230 an intervention is expected to lead to effects and under what conditions, while choosing from
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49 231 the outset the outcome measures required to evidence change.

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50 233 Appraisal is the product of two determining discourses: regulation and professionalism.

51 234 These are the result of different drivers, with different aims that require different processes.¹⁰

52 235 Despite the at scale mobilisation and engagement of most doctors on the register, the

53 236 enthusiasm and hard work of appraisers and responsible officers and the efforts to

54 237 understand its impact and improve its processes,⁴⁸ there is currently little objective evidence

55 238 of appraisal achieving its distinct and often incompatible objectives, the number of which

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239 seems to compromise the integrity, quality and efficiency of the appraisal process and
240 confuses stakeholders.¹³

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242 The pause of appraisal and revalidation during the pandemic offers a unique opportunity for
243 critical thinking and reflection. A study considering the international evidence base for
244 revalidation, identified six key principles that should underpin its effective implementation,
245 development, and evaluation: clarity of purpose, facilitation, consideration of target groups,
246 resource provision, multi-dimensional, interactive and quality controlled approach and
247 patients/public involvement. ⁴⁹ Clarity of purpose is the most fundamental ⁵⁰ and should be
248 followed by a process of researching the best way of addressing it, with a firm grasp of the
249 opportunities and limitations of big data and the potential for unintended consequences.
250 Such an approach would enable a clearer distinction between regulation and the other roles
251 of appraisal which could sit outside a GMC mandated system. Cost-effectiveness evaluation
252 should be incorporated in any redesign. New models of appraisal should not be started
253 without these features.

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Appendix 1: The history of appraisal and revalidation

Year	Key events
1975	<p>Merrison committee report (Inquiry into the Regulation of the Medical Profession) On re-licensure the report mentions that “continued registration should not depend on continued participation in education, but the GMC should encourage the development of continued participation in education” and proposes annual certification requiring doctors to make a declaration of their continued fitness to practise.¹</p>
1998	<p>Bristol paediatric heart surgery scandal: At the Bristol Royal Infirmary, babies died at high rates after cardiac surgery. Sir Donald Irvine-Bristol paediatric heart surgery enquiry: There is a growing awareness of a “clear public expectation that medical regulation should include measures to assure patients that consultants, and general practitioners, continue to perform effectively throughout their working lives.”²</p>
1999	<p>GMC proposes revalidation as necessary to practise Panel of senior doctors and lay people proposed to judge doctors against criteria with a non-confidential appraisal document folder. “Revalidation will be a proactive, inclusive programme, designed to demonstrate that the performance of doctors is acceptable. It will apply to all doctors on the register, be conducted locally by peers and lay people, be monitored nationally by the GMC, and must be implemented with a ‘light touch’ if it is to succeed”³</p>
2000	<p>English GP, Harold Shipman, found guilty of the murder of fifteen patients under his care, with his total number of victims approximately 250. GMC produces the Principles of Revalidation Consultation Paper, the first proposal of a formal process of Revalidation, followed by Revalidating Doctors: Ensuring Standards, Securing the Future.¹ GMC claims revalidation would improve doctors` weaknesses, improve patient confidence, and benefit employers by ensuring employees were fit to practise by identifying and correcting poor performance.²</p>
2001	<p>Bristol paediatric heart surgery enquiry published revealing shortages of key surgeons and nurses, and a lack of leadership, accountability, and teamwork. GMC performs ‘mock revalidation pilot’: Results showed that doctors had little difficulty in assembling their folders, and for some, the exercise took just 30 minutes to complete. In the case of hospital physicians, only 36% were recommended for revalidation and further information was requested on the remaining 64%. General practitioners managed to provide more information, with 86% recommended for revalidation.⁴ Cost estimated at £9-14 million annually and the annual full time equivalent of 204 doctors.²</p>
2001-2002	<p>Medical appraisal becomes a requirement for consultants in 2001 and for general practitioners (GPs) in 2002.⁵ Medical appraisal is defined as a process of facilitated self-review supported by information gathered from the full scope of a doctor’s work⁶ and is not designed as an assessment of competence.</p>
2002	<p>Medical Act changed: Revalidation is now legally defined as “an evaluation of a medical practitioner’s fitness to practise.”⁷ Second GMC pilot: Evidence gathered by doctors would have allowed revalidation decision to be positively made 69% of time.²</p>

2003	GMC employ management consultants SHM Productions Ltd (SHM): Found little agreement amongst doctors on what revalidation could achieve ²
2005	Shipman enquiry: Dame Janet Smith: "In my view, revalidation could make a major contribution to the identification of incompetent and poorly performing doctors and thus to patient safety...present proposals for the revalidation of GPs do not provide an evaluation of fitness to practise and cannot achieve this important objective." Recommended summative knowledge test, video consultations, clinical audit, patient satisfaction questionnaires, and significant events. "Would it be possible for 'another Shipman' to be detected by clinical governance activities, as they might be expected to operate in the foreseeable future? I think that is a real possibility." "Almost impossible to assess benefits in terms of a cost benefit equation but recommended summative evaluation of each doctor's fitness to practise". ²
2010	GMC Statement of Intent: "The purpose of revalidation is to assure patients and the public, employers and other healthcare professionals that licensed doctors are up to date and fit to practise." ⁸
2012	Revalidation is introduced Revalidation by the GMC begins and is based on a doctor's participation in five annual appraisals. The responsible officer (RO) makes a recommendation for revalidation using the appraisal output summaries. The appraiser is asked to confirm that no information has been presented for discussion in the appraisal that raises a concern about the doctor's fitness to practise. ⁸ "Appraisal is not the forum for the organisation to address specific clinical governance or performance issues." ⁸
2017	Pearson review Recommended the GMC should "Identify a range of measures by which to track the impact of revalidation on patient care and safety over time" and health boards should "challenge their organisations as to how revalidation is helping to improve safety and increase assurance for patients". Purpose of revalidation is defined as "a safety and quality system aimed at assuring the public that doctors are up to date and fit to practise in the UK, whilst also reinforcing the professional standing of a doctor." ⁹
2018	Umbrella review of revalidation Notes higher deferral rates in female, younger, and black and minority doctors. Found that some doctors identified negative associations of appraisal and "may not necessarily improve professional practice". Noted no fall in fitness to practise referrals, and that "part of the challenge of evidencing this from our data is the lack of clarity over the purpose of revalidation" ¹⁰
2019	GMC appeal Medical Practitioners Tribunal decision on Dr Bawa Garba Doctors' reflections (such as that in appraisal documents) are "potentially disclosable to courts, tribunals, and coroners" ^{11,12}
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