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6

7 **Reflective practice for patient benefit: an analysis of doctors' appraisal portfolios In**
8 **Scotland**

9 **ABSTRACT**

10 Introduction: Reflective practice has become the cornerstone of continuing professional
11 development for doctors, with the expectation that it helps to develop and sustain the
12 workforce for patient benefit. Annual appraisal is mandatory for all practising doctors in the
13 UK as part of medical revalidation. Doctors submit a portfolio of supporting information
14 forming the basis of their appraisal discussion where reflection on the information is
15 mandated and evaluated by a colleague, acting as an appraiser.

16 Methods: Using an in-depth case study approach, eighteen online portfolios in Scotland
17 were examined with a template developed to record the types of supporting information
18 submitted and how far these showed reflection and/or changes to practice. Data from
19 semi-structured interviews with the doctors (n=17) and their appraisers (n=9) were used to
20 contextualise and broaden our understanding of the portfolios.

21 Results: Portfolios generally showed little written reflection and most doctors were
22 unenthusiastic about documenting reflective practice. Appraisals provided a forum for

23 verbal reflection, which was often detailed in the appraisal summary. Portfolio examples
24 showed that reflecting on continued professional development, audits, significant events
25 and colleague multi-source feedback were all felt to be useful. Reflecting on patient
26 feedback was seen as less valuable because feedback tended to be uncritical.

27 Conclusion: The written reflection element of educational portfolios needs to be carefully
28 considered, since it is clear that many doctors do not find it a helpful exercise. Instead,
29 using the portfolio to record topics covered by a reflective discussion with a facilitator
30 would not only prove more amenable to many doctors, but would also allay fears of
31 documentary evidence being used in litigation.

32

33 Keywords: Reflective practice, appraisal, revalidation, supporting information, continuing
34 professional development.

35

36 **Introduction**

37

38 Reflective practice in medicine is considered an essential attribute of a competent health
39 professional.¹ However, its very nature makes it difficult to quantify and evidence to
40 support the promotion of reflection in medical education is largely theoretical.¹
41 Nonetheless, in recent decades there has been a focus on trying to capture and evaluate
42 reflection – especially through the use of portfolios, which require written reflections from
43 both students,² doctors in training and increasingly, qualified practitioners.^{3,4}

44 Some have questioned whether reflection can or should be assessed,⁵ and voices within the
45 medical profession have queried the usefulness and value of written reflection.⁶ There has
46 also been recent concern about the confidentiality of written reflections. For example, a
47 high profile legal case in England, UK (Bawa-Garba case) has raised concerns that a doctor's
48 portfolio might be examined as part of legal proceedings.⁷ In the light of this, the General
49 Medical Council (GMC), the UK's medical regulator, has recently advocated that
50 professionals' reflective notes should be legally protected (in England).⁸ In Alberta, Canada,
51 formative feedback to doctors from the multisource feedback scheme is not allowed to be
52 accessed in legal proceedings.⁹

53 Reflection is at the heart of many regulatory initiatives globally. In the UK, practising
54 doctors must take part in an annual appraisal, facilitated by a trained appraiser to inform
55 medical revalidation. Medical revalidation is the process by which the GMC confirms that a
56 doctor's licence to practise will continue, informed by a doctor's participation in five
57 satisfactory appraisals.⁴ Appraisals provide an opportunity for a doctor to reflect on their
58 practice and performance in order to demonstrate that they remain up to date and fit to
59 practise. After the appraisal meeting, the appraiser produces a summary of the discussion
60 which, once it has been approved by the appraisee, may be made available to a Responsible
61 Officer (RO).¹⁰ This individual, often a medical director, makes a revalidation
62 recommendation to the GMC based on satisfactory participation in appraisal, the appraisal
63 summary and any other clinical governance information available. Supporting information
64 that must be provided by the doctor, is required to demonstrate that they are continuing to
65 meet the principles and values set out in *Good Medical Practice* - a document which
66 describes what is expected of all registered doctors.¹¹ Central to the process is the concept

67 of reflective practice; a doctor must reflect on what that information means to them and
68 their patient care and how it might therefore lead to changes or developments in practice.
69 The GMC has produced guidance which sets out the supporting information needed for
70 appraisal (Table 1).¹² Most doctors submit their supporting information via an online
71 portfolio and many different IT platforms have been developed to facilitate this.

72 The concept of using a portfolio to bring together examples of a doctor's practice is a well-
73 established one. There are different types of portfolio, for example showcase portfolios,
74 which 'showcase' a clinician's best work and skills.¹³ There are also learning or training
75 portfolios, to assess specific competencies,¹⁴ plus portfolios aimed specifically at recording
76 and promoting continued professional development, such as the American Board of Medical
77 Specialties Multi-Specialty Portfolio Program¹⁵ and the Royal College of Physician and
78 Surgeons of Canada's Maintenance of Certification program.¹⁶ Portfolios required for
79 revalidation in the UK have a dual purpose: they are intended to both ensure the doctor
80 meets GMC requirements for collecting appropriate information for revalidation but also to
81 support the individual's own learning and reflection.

82 To date, little is known about the impact on reflective practice of using appraisal to inform
83 revalidation. Undertaken as part of a wider evaluation of the implementation of
84 revalidation,¹⁷ we analysed the supporting information doctors bring to appraisal through
85 examining a sample of online portfolios and combined this analysis with interviews with
86 both appraisers and appraisees. The interviews focused on the opportunities and
87 challenges of supporting information and appraisal/revalidation more widely. Given the
88 importance attached to the production of, and reflection on, suitable supporting
89 information we wanted to explore:

- 90 • Is the written reflection doctors submit for appraisal of a high quality?
- 91 • What do the portfolios and appraisal summaries indicate about the role of reflective
- 92 discussion in the appraisal?
- 93 • Do the portfolios suggest that gathering supporting information prompts doctors to
- 94 make changes to their practice and is, therefore, a useful exercise?

95

96 The study sought to analyse portfolios/appraisal summaries from Scotland. We chose this

97 devolved nation within the UK as it has a readily accessible portfolio data through the

98 Scottish Online Appraisal Resource (SOAR) submission system.¹⁸ Whilst the GMC does not

99 require doctors to use any specific appraisal portfolio tools or systems for revalidation,

100 SOAR is the national online portfolio used by most doctors in Scotland and managed by NHS

101 Education for Scotland. Elsewhere in the UK, various different appraisal systems operate.

102 For example, England has a fragmented system for documenting appraisal information, with

103 no central submission system. In contrast, Wales and Northern Ireland are similar to

104 Scotland in that they have a single online appraisal portfolio; in Wales the Medical Appraisal

105 & Revalidation System (MARS) fulfils this role.¹⁹

106 SOAR has specific areas that must be completed, but there is freedom for the appraiser to

107 populate these areas with a variety of supporting information that reflects their range of

108 practice. The system then encourages the appraiser to reflect on the supporting

109 information they have provided via an overview form. Details of SOAR are provided in table

110 2.

111 **Methods**

112 This study formed part of a wider evaluation of revalidation¹⁷ which sought to gather
113 information about revalidation mechanisms at all levels of the process using a mixed
114 methods approach. This included literature reviews, online surveys and interviews, as well
115 as portfolio analysis, to build up a holistic picture of how revalidation is working and being
116 perceived by the profession.

117 Permission to examine the portfolios and summaries of Scottish doctors was sought through
118 an online survey of all UK non-training grade doctors in the summer of 2015. At the end of
119 this survey, doctors were asked if they would be prepared to take part in further qualitative
120 research activities relating to the study – including sharing their most recent portfolio. The
121 intention was to examine 20 portfolios from a good range of specialties as it was considered
122 that this would be both achievable and provide a good breadth of data. The study gained
123 research ethics approval from the University of X.

124 The on-line survey was sent to 156,610 practicing UK doctors and there were 26,171
125 respondents, of whom 5,137 initially expressed an interest in receiving information about
126 taking part in further research activities. Subsequently, 238 doctors returned completed
127 consent forms and of these, 27 were based in Scotland, of whom 24 initially opted in to
128 share their portfolio.

129 To analyse the supporting information that doctors submit for their appraisals, two
130 researchers (SH and JW) developed a template to complete for each portfolio using quality
131 assurance frameworks and processes in Scotland to inform the template design. This
132 template (available from authors on request) was used to describe what supporting

133 information was submitted (under the six headings listed in Table 1), whether the
134 supporting information showed evidence of reflection and whether any changes or outputs
135 resulted from each piece of supporting information. The template design was sufficiently
136 flexible to allow for differing types of supporting information to be recorded.

137 An initial sample of five portfolios were examined by both researchers, who completed
138 separate templates for each portfolio to establish the types, extent and quality of the
139 supporting information and appraisal summaries. The templates were then compared to
140 establish that the data were being recorded in a similar way and that findings were
141 consistent. After establishing consistency across five portfolios, all remaining portfolios
142 were reviewed.

143 Subsequently, both appraisees and appraisers were invited to participate in semi-structured
144 telephone interviews as part of the wider study, to find out their views on appraisal,
145 revalidation and the gathering of supporting information. Complete transcripts were
146 obtained for each interview. Template analysis was used to analyse the interview data
147 thematically.²⁰ Template analysis involves identifying initial themes based on a priori codes.
148 The 'template' developed is then expanded upon, with new codes added as necessary to
149 develop a hierarchy of over-arching and sub-themes. Our initial coding template was based
150 on the interview questions and was developed further by coding a sub-set of the interviews,
151 with individual researchers focussing on discrete areas of the interview transcripts. In this
152 way, several researchers collectively built up the coding template, which was then applied
153 to the whole dataset.

154 Combining an examination of the doctors' portfolios with their views and those of their
155 appraisers, we were able to link analysis of their portfolios to their opinions about the value

156 of collecting supporting information. The findings are presented under three thematic
157 headings below: quality of written reflection, role of reflective discussion in appraisal and
158 supporting information prompting changes to practice.

159

160 **Results**

161 Twenty-four doctors in Scotland initially agreed to share their most recent portfolio. Of
162 these, 18 Scottish portfolios were actually obtained. Unavailable portfolios were either
163 incomplete on the SOAR system or not uploaded onto SOAR. The portfolios obtained
164 represented a good spread of specialties, as shown in Table 3. The doctors concerned were
165 aged between 37 and 69, with the majority aged between 48 and 59. The table also
166 indicates those doctors for whom we had additional interview data (17 appraisees, 9
167 appraisers). The appraisals for these 18 doctors took place between November 2015 and
168 July 2016.

169

170 As noted in Table 2, doctors upload their documentary evidence into four electronic folders,
171 or domains. For examples of some of the types of supporting information uploaded into
172 each domain, see Table 4.

173

174 **Quality of written reflection**

175 The portfolios in this sample varied greatly in how many documents describing a doctor's
176 practice were uploaded. Whilst large numbers of documents were uploaded by a few

177 doctors (minutes from meetings, emails, conference presentations etc.), documents
178 detailing reflection were largely absent. One consultant had submitted 115 documents for
179 Domains 1 and 2 alone. These included a small amount of reflection regarding an audit and
180 what changes might be implemented as a result, but written reflection was on the whole
181 sparse. There was evidence of a number of complaints and the consultant's appraiser noted
182 in the appraisal summary that in future such events could be used as a basis for a significant
183 event analysis (SEA); indicating an attempt by the appraiser to encourage future reflection.

184 SEAs were included in many portfolios, but they usually consisted of a few paragraphs only,
185 with a basic outline of the event followed by a sentence or two to summarise any changes
186 implemented. In a few cases more extensive reflections were uploaded – for instance, a
187 sessional GP who used reflective templates for several SEAs, included a clinical case report
188 proforma, completed a reflective template on their Patient Satisfaction Questionnaire and a
189 reflective template detailing approaches to patients with poor English. Another doctor
190 used an 'enhanced' SEA template²¹ to produce a detailed and thoughtful account of two
191 missed referrals with reflections on the several factors responsible and measures described
192 to ensure such incidents would not happen again. However, one appraiser commented
193 that the enhanced SEA template "has not really taken off much (A0021)" in appraisal,
194 speculating that it may just be a question of the longer form proving more time-consuming.

195 Some of the appraisers interviewed indicated that they encountered doctors who find
196 written reflection a challenge. For example, one remarked:

197 "I think doctors can be reflective but they struggle putting it down on paper" (A0215).

198 Another echoed this, saying that they had to give some appraisees pointers about how to
199 write a reflective piece:

200 “they’ll put in all their evidence for attending CPD, meetings and things and I’ll ask them
201 ‘what did you learn from that?’ ‘Oh, I can’t really remember.’ They can’t reflect back on
202 what they’ve learnt” (A0060).

203 Appraisers clearly indicated that they wanted quality rather than quantity in the portfolios
204 and would rather see a few pieces of high quality reflective writing than lots of documents
205 uploaded with little discrimination or reflection. One appraiser thought that appraisees
206 should be asked to be selective and to write a reflective piece on three of the most useful
207 pieces of training they had undertaken the previous year and to explain why and what had
208 changed in their practice.

209

210 **Role of reflective discussion in appraisal**

211 Whether or not doctors submit much in the way of reflective commentary, it is apparent
212 that a significant amount of reflection takes place in the appraisal meeting itself, with some
213 of the summaries produced afterwards by appraisers recording in-depth discussions of
214 supporting information. The summary tends to be a distillation of both the documentary
215 evidence (supporting information) and the appraisal discussion and so in some cases it
216 describes approaches to learning and reflection which cannot be gleaned from the
217 portfolios alone. For example, one appraiser noted in the summary that for a particular
218 doctor:

219 “reflection on learning tends to be in a variety of ways, including contemporaneous
220 entries into electronic diary and setting personal task lists. In 2015 started using
221 Twitter as a tool for learning...” (R0005).

222 There was nothing in the portfolio to evidence this, highlighting the importance of the
223 appraisal discussion in drawing out the detail of a doctor’s approach to learning and
224 practice.

225 The interviews indicated a greater enthusiasm for verbal reflection at appraisal in
226 comparison to written reflection. For example, a consultant in Mental Health observed that
227 reflection is especially useful in their specialty and they preferred to discuss issues at
228 appraisal rather than fill in reflective templates:

229 “I don’t necessarily do it (reflection) using a form...but I do bring it up in my appraisal
230 meeting, things that may have happened and reflect on it” (R0030-Int).

231 A few doctors explicitly mentioned that talking through SEAs at appraisal had been helpful –
232 not just to understand what had gone wrong but also to consider the things that the doctor
233 had done well in that situation. Therefore, the appraisal allowed what may have been very
234 limited written documentation to be discussed, expanded and reflected upon - in effect
235 supplementing the portfolio. This was helpful from the appraiser’s point of view:

236 “often within an appraisal interview you can go through a case and draw that out so that
237 effectively you’re reflecting within the appraisal” (A0196-Int).

238 There was evidence that the appraisal discussion was used to “flesh out” a thin portfolio.
239 For example, one GP submitted no evidence for Quality Improvement (QI) or SEA and
240 although he claimed 50 credits plus 20 impact credits²² for CPD there was very little CPD

241 evidence uploaded (just three certificates). As a result, the appraiser noted in the appraisal
242 summary that the learning credits were difficult to accurately quantify, but it is clear that he
243 was happy after the appraisal meeting that the appraisee had demonstrated a broad range
244 and type of learning through discussion (and he noted that they had discussed ways in
245 which the appraisee could use data already held at the practice to develop QI and audit
246 projects in the future). In his interview, this appraisee noted that his appraiser:

247 “teased out more reflection and the realisation that I was doing things that I wasn’t
248 necessarily acknowledging” (R0133-Int).

249 However, the extent to which the appraisal discussion should be used to supplement the
250 portfolio and help with completing the appraisal summary form was questioned by one
251 appraiser:

252 “In the past I would use the supporting information I have and glean a lot from the
253 actual appraisal interview and document that it’s been through discussion and accept
254 that; but I’m becoming a little bit more, I’m questioning myself about, should I have
255 something a bit more concrete as evidence of it?” (A0215-Int).

256 So it seems an appraiser may be unsure about how much weight should be given to written
257 reflection as opposed to verbal reflection and there can be uncertainty over the extent to
258 which a detailed and reflective appraisal conversation should be allowed to make up for a
259 lack of reflection on the submitted supporting information.

260

261 **Supporting information prompting changes to practice**

262 Whilst portfolios provided written (often brief) evidence of what doctors have learned and
263 what they will do differently as a result of various activities - such as CPD or a quality
264 improvement project - it was difficult to assess the extent to which gathering supporting
265 information was beneficial for the doctor. Indeed, the evidence suggests that including
266 copious amounts of reflective writing in a doctor's portfolio does not necessarily indicate a
267 translation of reflective writing into reflection in and on practice. A sessional GP who had
268 made the most extensive use of reflective templates observed that, although they had
269 uploaded reflective pieces for "every part of appraisal," this was only because it had been:

270 "...thoroughly drilled into me by my previous appraiser, and my current appraiser said I
271 didn't actually need to do it, it wasn't compulsory" (R0021-Int).

272 Their views on written reflection were actually not positive:

273 "I'm not sure it helps me, but it helps me present it to the appraiser in a form that seems
274 acceptable" (R0021-Int).

275 Therefore, at face value, this doctor's portfolio seemed to indicate an enthusiasm for
276 reflective writing, but in reality, it was a regimented exercise undertaken more out of duty
277 rather than as part of a personal developmental journey.

278 Nonetheless, there is evidence that for some doctors, the process of documenting and
279 justifying their activities was helpful in focussing and planning. For instance, a sexual health
280 consultant included a CPD diary which provided good summaries of what they had learnt
281 from various workshops, conferences and other events plus the impact of the learning. In
282 interview they observed that for them, CPD was the most important supporting
283 information, noting that:

284 “the CPD stuff ...I think it is helpful ...and I don’t mind justifying that, and time to reflect on
285 your learning and what you’ve done and illustrate how you changed things” (R0049-Int).

286 Another consultant included a short, written piece to summarise the benefit they had
287 gained from various conferences/meetings and noted that reflecting on CPD could lead to a
288 greater focus:

289 “it’s good to reflect on your CPD, see where you’ve learnt from it, see where it might go
290 constructively in the future rather than just flailing about ...it’s quite a good way to
291 plan yourself a bit more” (R0085-Int).

292 So there is a suggestion that for some doctors, the discipline of having to document, justify
293 and reflect on CPD activities was leading to a more focussed approach to learning.

294 Written accounts of QI activities - notably audits – gave clear indications that positive
295 practice changes had resulted from these activities. An audit by a GP of the ultrasound
296 service provided by their practice was noted as improving awareness of certain aspects of
297 undertaking scans, whilst a prospective audit of breast cancer waiting times by an oncology
298 consultant had led to beneficial changes to the treatment pathway. Again, though, it is
299 difficult to know whether documenting the activity for appraisal acted as any kind of
300 catalyst for change. In their interview, the oncology consultant observed:

301 “And the audit’s good ‘cos you either realise that you’re doing quite well, or you think ‘oh
302 dear I haven’t done very well this year, I’d better sort a few things out,’ so it does give you a
303 wake-up call” (R0085-Int).

304 This suggests that, possibly, the process of writing up the audit results might crystallise an
305 awareness of areas of practice that needed future attention.

306 SEAs were included in many portfolios and where included suggest they may have led to
307 changes in practice. Examples include: a change in approach to discussing weight issues
308 with patients; a realised need to be more assertive with hospital staff; giving patients better
309 information about warfarin doses and improvements to the way prescription requests are
310 written at the practice. The key factor seems to be the quality of the reflection, with one
311 doctor noting in interview that if SEAs are written up well, they prompt the most reflection
312 in terms of the supporting information doctors are required to gather:

313 “if they’re (SEAs) done properly and the topic lends itself to it, then it can be very
314 informative and insightful” (R0215-Int).

315 A few others concurred, finding the process of writing up an event helpful, with a hint from
316 one that doing it at the time (rather than just prior to the appraisal meeting) can make it
317 more impactful:

318 “I find reflective logs, sitting and writing ... how you felt in different circumstances, at the
319 end of a difficult meeting, or having dealt with a difficult colleague, is kind of important for
320 me” (R0057-Int).

321 Formal patient feedback, in the form of a recognised questionnaire filled in by patients, is
322 required only once every five years and so many of the doctors in this sample did not submit
323 patient feedback as part of their written evidence – only five of the 18 did so. Of these,
324 there is little indication of reflection/resultant change to practice. For example, a locum GP
325 used the CARE²³ questionnaire, obtained 29 responses, wrote a reflective piece on the
326 results but planned no changes as they were satisfied with the feedback. A consultant in
327 Mental Health (R0030) included only seven patient feedback forms, but again the feedback

328 was good and no changes were planned. Interview data supports the view that patient
329 feedback was of limited value, with one doctor noting that it is:

330 “pointless, they seldom say anything negative and they very seldom say anything
331 that’s constructive, they make nice comments and the tick boxes are no use at all”
332 (R0085-Int).

333 By contrast, it tended to be colleague feedback that led to more reflection and plans for
334 change, usually because it tended to be more specific and critical. Interview data supported
335 its potentially useful impact:

336 “I think for me the multisource feedback was probably the most emotionally powerful (type
337 of supporting information)” (R0057-Int).

338 “I find it (colleague feedback) a very positive and constructive exercise” (R0133-Int).

339 Specific changes were mentioned by some as a result of colleague feedback, for instance
340 one doctor noted that they had changed how they engage with certain services within the
341 hospital and another mentioned that it had led to a greater awareness of how they come
342 across in meetings.

343

344 **Discussion**

345 Requiring doctors to collect supporting information about their practice in portfolios is seen
346 as a key objective in achieving the aim of ensuring that doctors reflect and, where
347 appropriate, change their practice for patient benefit. This study reviewed the quality and
348 quantity of supporting information submitted for 18 online appraisal portfolios in Scotland

349 from the appraisal year 2015-16 and examined how this documentary evidence was
350 summarised by the appraiser. Supplementary data from interviews with the doctors
351 concerned and their appraisers helped to provide context and additional insights into the
352 gathering and discussion of supporting information. While other studies have examined
353 appraisal summaries and PDPs,²⁴ and assessed patient and colleague feedback gathered by
354 GPs,²⁵ to our knowledge this is the first full analysis of portfolios for revalidation.

355 Despite the objective to support reflection, we found that, for this sample of doctors, the
356 demonstration of reflection on their practice was generally only superficially apparent in
357 their supporting information for appraisal. Written reflection was often brief and lacking in
358 detail and interview data suggested that many doctors would rather reflect verbally, either
359 at the time with colleagues or with their appraiser in the appraisal meeting, a finding backed
360 up by the wider literature.^{1,6,26,27} For their part, appraisers wanted doctors to be selective
361 in the documents they chose to include in their portfolios and would prefer to see a few
362 examples of high quality reflection rather than many documents submitted somewhat
363 indiscriminately and with no commentary on their impact or meaning for a doctor's
364 practice. There are already moves to support a focus on quality over quantity when
365 submitting supporting information.¹¹

366 The GMC states that the key purpose of providing supporting information for appraisal is to
367 encourage a doctor to reflect on what has been learned from the documented activities and
368 what they intend to change as a result.¹¹ In this sample of doctors, written evidence from
369 the portfolios indicates that SEAs, QI activities and CPD activities were noted as most often
370 resulting in changes to practice (as evidenced by written intentions or self-reported changes
371 to practice). There is an indication that patient feedback can be rather anodyne and, in this

372 sample of portfolios, provided little useful feedback to work with; colleague feedback
373 seemed to provide more useful and targeted feedback. This echoes other findings: a survey
374 of ROs found that they considered participation in QI and responses to significant events as
375 the most effective methods of improving doctor performance;²⁸ the large online survey
376 conducted by UMbRELLA found CPD was the most commonly reported change as a result of
377 appraisal;¹⁷ another survey of GPs also cited QI and SEAs as important in prompting
378 changes, with colleague feedback also regarded as important in helping deeper reflection on
379 their work (though it should be noted that they valued patient feedback almost as much).²⁹

380

381 The latest GMC guidance emphasises the central role of reflection in appraisal and describes
382 it in terms of a twin process, stating that: “your appraiser can facilitate further reflection, as
383 needed but it is your responsibility to demonstrate examples of your reflective practice.”¹¹
384 So firstly, each doctor needs to produce written reflective accounts and then there is an
385 expectation that this will be reflected upon further in the appraisal - both to increase the
386 depth of the learning and satisfy the appraiser that meaningful reflection has taken place.
387 However, now that written reflection forms part of the requirements of revalidation, it
388 would appear that many doctors approach it as a necessary hurdle to satisfy the appraiser,
389 rather than through an appreciation of its importance for professional development. Few
390 would argue against the importance of reflective practice in medicine. However, a
391 reluctance to document one’s reflections may not indicate a lack of reflective practice –
392 especially if written reflection is regarded as mandatory, there is a risk this may be formulaic
393 and lead to basic storytelling and a tendency to write what the appraisee perceives is
394 required by their appraiser and their regulator.³⁰ Thus the regulatory agenda may turn

395 written reflection into a product undertaken in a reductionist and ritualistic manner which
396 runs counter to the “intended transformative notion of reflection.”³¹

397 The inclusion of written reflection in a doctor’s portfolio has become a more fraught issue
398 with the recent Bawa-Garba legal case⁷ in which there was a concern amongst the
399 profession that this doctor’s written reflections had been used in evidence against her
400 (although the Medical Protection Society has stated that her reflections did not, in fact,
401 form part of the evidence considered by the court and jury.⁷) Given the concerns about this
402 and recognising the important role appraisal can play in reflection, one solution could be for
403 an appraisee to highlight in their written documentation what areas they wished to discuss
404 and reflect upon verbally with their appraiser. This would allow the content of the
405 reflection to remain confidential and embed the appraisal meeting as an active component
406 of the reflective process.

407 In other words, there should be flexibility in approaches to reflection within appraisal, with
408 written reflection just one option for a doctor to evidence their practice. This point has
409 been highlighted in a recent editorial in the British Journal of General Practice which argued
410 that GPs and appraisers should agree what to bring to the appraisal, choosing from a variety
411 of options including: an observation of the GP’s video-recorded consultations or a selection
412 of cases to discuss or a multiple-choice questionnaire.³¹ The key point would be to highlight
413 learning needs, not to assess performance as such. The authors found that the most
414 popular option was verbal reflection on cases outlined (briefly) in advance to the appraiser.
415 This seems a sensible option and our study suggests that some appraisers are already
416 accepting verbal reflection where written reflection is limited. In this way the appraiser’s
417 role as mentor becomes especially important – an appraiser needs to stimulate a discussion

418 that will 'help prompt, challenge and make sense of the complexity of experiences.'³²
419 However, it must be recognised that appraisers currently hold dual responsibilities, to
420 provide formative support whilst also ensuring revalidation requirements are met, which
421 may at times be in conflict.³³ Appraisal providers could work to ensure the appraiser's role
422 as mentor is protected.

423 Our study has demonstrated that doctors may pay lip service to written reflection because
424 they deem it to have little benefit, so the emphasis needs to shift towards meaningful verbal
425 discussion which, through being less time-consuming and formulaic, may open the way to a
426 deeper and more meaningful process. If doctors can have more flexibility and control over
427 how they choose to reflect then, given goodwill, the process might prove more impactful
428 and insightful.³⁴

429 Further research might usefully examine successive portfolios for a sample of doctors,
430 submitted over a number of years. This would allow an assessment to be made of whether
431 changes planned as a result of reflection on practice were actually implemented. Interviews
432 with the doctors concerned could allow exploration of when and how they reflect and what
433 support they might welcome to make reflection during the appraisal process more
434 impactful.

435

436 **Conclusion**

437 The written reflection element of educational portfolios needs to be carefully reconsidered
438 because, it would appear, that many doctors do not find it a helpful exercise. Instead, using
439 the portfolio to just record that a reflective discussion has taken place with a facilitator

440 would not only prove more amenable to many doctors, but would also allay fears of
441 documentary evidence being used in litigation. However, it is also clear that an annual
442 reflective written or verbal exercise undertaken for appraisal is limited in scope and
443 reflection needs to be an ongoing mental activity embedded into the complexities of daily
444 practice. Further research needs to be carried out to establish the best ways of
445 encouraging on going reflection.

446 **Limitations**

447 The sample size (18 portfolios) was small and only consisted of Scottish portfolios. Whilst
448 the choice of Scotland allowed ease of access to portfolios because of the national appraisal
449 toolkit in use, this meant that the large variety of appraisal toolkits and different ways of
450 presenting supporting information which exist in the rest of the UK were not represented.

451

452 **Lessons for Practice**

453 There is still work to be done in making explicit what evidence is required, and how much,
454 for each appraisal.

455 Appraisers should value verbal reflection at appraisal if this is deemed to be of more benefit
456 to the individual doctor than written reflective accounts.

457 Appraisees could highlight in their written documentation the areas they would like to
458 discuss and reflect upon with their appraiser, allowing the content of the reflection to
459 remain confidential.

460 Appraisers may need more guidance regarding how far a thorough and reflective appraisal
461 meeting can be allowed to make up for a sparse portfolio and may need guidance in how to
462 facilitate reflection.

463 Further research might usefully examine successive portfolios for a sample of doctors. This
464 would allow an assessment to be made of whether changes planned as a result of reflection
465 on practice were actually implemented.

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467 TABLES

468 Table 1: GMC Guidance on supporting information

Type of supporting information	Examples of what may be provided	Frequency with which the supporting information is required
Continuing professional development (CPD)	Evidence of participation in College/faculty CPD scheme Certificate of attendance at conference, training workshop	Every appraisal
Quality improvement activity	Clinical audit Review of clinical outcomes Case review or discussion	Depends on nature of activity – e.g. participation in a full national clinical audit might be appropriate once every revalidation cycle, case review more regularly.
Significant events (SEA) or untoward or critical incident	Reflective template outlining incidents/events & what was learnt	Any significant events involving the doctor should be discussed at every appraisal. It is what has been learnt, not the number that is important, as in some years doctors may not have a SEA to report.
Feedback from colleagues	Standard questionnaire that complies with GMC guidance	At least once every 5 years
Feedback from patients	Standard questionnaire that complies with GMC guidance Student evaluation of teaching delivered	At least once every 5 years
Review of complaints and compliments	Reflective writing about a complaint and how it was dealt with Complimentary emails/cards from patients	Any changes made as a result of complaints/compliments should be discussed annually. Numbers of complaints may vary across specialties and some doctors may have none. It is how the complaint has been dealt with, rather than the number that is important.

469 Table 2: Scottish Online Appraisal Resource

<p>Scottish Online Appraisal Resource (SOAR)</p> <ul style="list-style-type: none"> • 4 electronic folders: corresponding to the four domains of <i>Good Medical Practice</i>:² <ul style="list-style-type: none"> ○ Domain 1: Knowledge, skills and performance; ○ Domain 2: Safety & quality; ○ Domain 3: Communication, partnership & teamwork; ○ Domain 4: Maintaining Trust. • Form 3 overview – list of documents uploaded with box for appraiser to tick to indicate that each piece of evidence has been viewed. Space provided for appraisee to explain and reflect on the material uploaded in each Domain. A series of health and probity questions must also be answered. • Personal Development Plan (PDP) section allows appraisee to review their progress against last

year's PDP and identify areas for development that they would like to undertake over the next year.

- **Form 4 appraisal summary** - completed by appraiser soon after the appraisal. Checked and agreed to by appraisee.

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471 **Table 3: Doctors' roles & specialties**

ID	Specialty	Role	Interview with Appraisee	Interview with Appraiser
R0005	Sexual & Reproductive Health	Consultant/Manager	Yes	Yes
R0011	Accident & Emergency	Consultant	Yes	No
R0021	General Practice	Locum	Yes	Yes
R0030	Mental Health	Consultant	Yes	No
R0048	General Practice	Partner	No	No
R0049	Sexual Health & HIV	Consultant	Yes	No
R0057	Medical Education	Manager	Yes	Yes
R0060	Community Paediatrician	Associate Specialist	Yes	Yes
R0065	General Practice	Locum (retired)	Yes	Yes
R0075	Addiction Psychiatry	Specialty Doctor	Yes	Yes
R0085	Clinical Oncology	Consultant	Yes	Yes
R0133	General Practice	Principal	Yes	No
R0149	Public Health/ Sexual & Reproductive Health	Senior Lecturer/Specialty Doctor	Yes	No
R0164	General Practice	Locum	Yes	Yes
R0169	Reproductive Health	Consultant	Yes	No
R0171	Upper Gastrointestinal Surgeon	Consultant	Yes	No
R0196	Public Health Medicine	Consultant	Yes	Yes
R0215	General Practice	Principal/Medical Education	Yes	Yes
Total	18		17	9

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473 **Table 4: Overview of what supporting information was presented**

Electronic folder	Examples of supporting information uploaded
Domain 1: Knowledge, skills & performance	College CPD templates – recording what activity was undertaken, why, what was learned, what will be done differently and how many credits are being claimed. (1 credit = 1 hour of CPD) Annual 50 credits (or 250 across five years) is widely adopted as a requirement. Most appraisees in this sample managed to achieve 50 credits.

Domain 2: Safety & Quality	<p>Summary of an audit including what has been learnt, any planned changes in practice.</p> <p>Case reviews.</p> <p>Not all the doctors in our sample see patients. One doctor involved in medical education (R0057) submitted information regarding a research project about trainees; a public health doctor (R0149) provided a teaching evaluation from students.</p> <p>Significant events – sometimes using standard SEA template.</p>
Domain 3: Communication, partnership & teamwork	<p>Colleague and patient feedback. As would be expected, this was less frequent than other types of supporting information: seven appraisees submitted colleague multi-source feedback (MSF) (range of raters 9-15); five appraisees submitted patient feedback (range of raters 7-50).</p> <p>Where formal feedback from colleagues and patients was not required, appraisees submitted complimentary emails from colleagues, course evaluations, letters of thanks from patients etc. In several cases this folder was left empty.</p>
Domain 4: Maintaining Trust	<p>Certificates/letters showing there were no complaints.</p> <p>Ethics approval for research studies.</p> <p>Information about private practice.</p> <p>This domain presented the most difficulties in terms of finding suitable information to upload; almost half of these 18 doctors left it empty.</p>

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