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Medical students writing on death, dying and palliative care: a qualitative analysis of reflective essays

Jason W Boland,¹ Lisa Dikomitis,² Amy Gadoud³

ABSTRACT

Background Medical students and doctors are becoming better prepared to care for patients with palliative care needs and support patients at the end of life. This preparation needs to start at medical school.

Objective To assess how medical students learn about death, dying and palliative care during a clinical placement using reflective essays and to provide insights to improve medical education about end-of-life care and/or palliative care.

Methods Qualitative study in which all reflective essays written by third-year medical students in 1 year from a UK medical school were searched electronically for those that included 'death', 'dying' and 'palliative care'. The anonymised data were managed using QSR NVivo 10 software, and a systematic analysis was conducted in three distinct phases: (1) open coding; (2) axial coding and (3) selective coding. Ethical approval was received.

Results 54 essays met the inclusion criteria from 241 essays screened for the terms 'death', 'dying' or 'palliative'; 22 students gave consent for participation and their 24 essays were included. Saturation of themes was reached. Three overarching themes were identified: emotions, empathy and experiential and reflective learning. Students emphasised trying to develop a balance between showing empathy and their emotional state. Students learnt a lot from clinical encounters and watching doctors manage difficult situations, as well as from their reflection during and after the experience.

Conclusions Reflective essays give insights into the way students learn about death, dying and palliative care and how it affects them personally as well as the preparation that is needed to be better equipped to deal with these kinds of experiences. Analysis of the essays enabled the proposal of new strategies to help make them

more effective learning tools and to optimise students' learning from a palliative care attachment.

BACKGROUND

Traditionally, medical students and doctors have been poorly prepared to care for patients with palliative care needs and to support patients at the end of life.¹⁻⁴ This is being addressed in clinical practice and in medical education research.⁵⁻⁶ The importance of students' learning about end-of-life and palliative care is increasingly recognised by medical students internationally.⁷⁻⁹ This is advocated in the UK, USA and Australia.⁸⁻¹² Although inclusion of end-of-life and palliative care teaching in the medical curriculum is recognised, its prominence varies between medical schools, with vast differences in content, teaching methods, assessment and scope.¹³⁻¹⁸

Although students learn most from clinical encounters, they feel underprepared and lack exposure to dying patients.¹¹⁻¹⁶⁻¹⁹⁻²³ Previously, this research team reported positive responses from hospice patients towards medical students, but hospice staff expressed concerns regarding patient and student welfare leading to gatekeeping.¹⁷ A subsequent study by this research team found that, although medical students feared hospice placements, this was alleviated during the placement and they felt supported, reporting an enjoyable and valuable learning opportunity with inspiring patient encounters.¹⁸ A concern is for students whose fears are not allayed. This could be due to the lack of opportunity to speak to patients, students avoiding seeing dying patients because of

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preconceived fears or because overprotective staff preventing a student–patient encounter. This could have a negative outcome for those students who remain anxious about engaging with dying patients, and for their future patients.^{14 15 24}

Experiential learning with the student–patient encounter is essential in learning about palliative and end-of-life care.^{21 25} Medical students often write reflective essays after experiential learning about palliative and dying patients.^{26–28} Many medical schools have embedded reflective learning in their curricula and essays are now widely used as one process to encourage and develop reflective practice.²⁹ Furthermore, reflection is essential to developing a balanced professional identity and is also needed for continued professional development.^{30–32} Reflective practice is particularly pertinent when students have their first exposure to dying and death so that they can make some sense of what can be a very distressing experience, not least because many went into medicine to ‘cure’.³³ It is important however that this experience is made as positive as possible, to enthuse medical students to care for dying patients and possibly plant the seed for a future career in palliative medicine. In this study, students’ clinical experiences of death, dying and palliative care using reflective essays were evaluated.

STUDY OBJECTIVES

This study aims to contribute to our understanding of how undergraduate medical students learn about and reflect on death, dying and palliative care during and after clinical placements. The study has two objectives:

1. To explore how medical students learn about and deal with death, dying and palliative care during a clinical placement.
2. To use the analysis of reflective essays to provide insights to improve medical education about end-of-life care and/or palliative care.

METHODS

Design

This is a qualitative study of reflective essays, written by third-year medical students.

Research team

The analysis was conducted by three researchers with different professional backgrounds and research expertise. This included a clinical lecturer in palliative medicine with expertise in qualitative research and palliative care education (AG), a senior lecturer in sociology of health with background in education (LD) and an academic consultant (senior clinical lecturer) in palliative medicine who is the local palliative care education lead (JB).

Ethics

The study gained ethical approval from the Medical School Ethics Committee (reference: 12_09). Potential participants whose essays were identified as eligible for inclusion had to give explicit consent for their anonymised essay to be used and explicitly gave consent for *ad verbatim* quotes to be used in research outputs.

Data set

Essays were obtained from one UK medical school where medical students have clinical exposure from the start of their training, which substantially increases from their third year, when they have four, 8-week, clinical placements. After two clinical placements, students are required to write a 1000-word reflective essay on a patient, personal or professional issue. The objective of these is for students to reflect, after a clinical placement, on their experiences and understanding, skill set and knowledge as a foundation of professional development (box 1).

The students wrote two reflective essays in their third year at the end of any two of the four modules, which included the cancer/palliative care module. All essays were screened as they may encounter terminally ill and palliative care patients throughout that year. The inclusion criteria were reflective essays from third-year medical students in the academic year 2008–2009, which included any of the terms ‘death’, ‘dying’ or ‘palliative’. All essays were electronically searched for those that met the inclusion criteria; the authors of these essays were emailed by someone outside of the research team asking for consent for their essay to be included in the study.

Box 1 Reflective essays

Learning outcomes

- ▶ Exercise in clear writing and summarising;
- ▶ Developing skills of self-reflection and critical awareness;
- ▶ Show that you are able to learn from your experiences;
- ▶ Skills of critical reflection.

Guidance students receive

- ▶ Clear instructions in student handbook;
- ▶ Two lectures in Year 1 and Year 2 (including reflection discourse and reflective essay writing);
- ▶ Online resources.

Follow-up and feedback

- ▶ Essays are read by the student’s supervisor;
- ▶ Discussion between student and supervisor;
- ▶ Assignment added to the Student’s Record of Achievement;
- ▶ No formal mark given.

Analysis

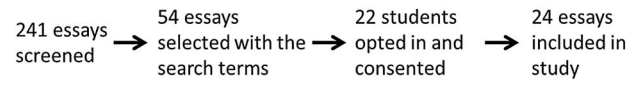
We applied a systematic analysis to the data following the main principles of a grounded theory approach.³⁴ Such analysis allowed the research team to theorise these essays in form and content, and as accounts of what students intended to convey to the audience, their supervisors.³⁴ Three researchers independently analysed the anonymised data set. Findings were brought together in nine 3-hour team meetings and online discussion to reach consensus on themes and topics and ensure a transparent and in-depth coding process. The analysis included three distinct phases as developed by Strauss and Corbin: (1) open coding (going through each essay and code line by line); (2) axial coding (making connections between the codes); and (3) selective coding (identifying three central phenomena).³⁵ The data for the analysis were managed using specialist software for qualitative data analysis (QSR NVivo 10). During the first phase, each team member performed a line-by-line coding of each essay to develop a detailed index of the emerging key themes. We used our own codes as well as in vivo codes.^{34 36} The coding framework with descriptive codes was refined in the second coding phase in which each team member wrote analytic memos while revisiting each essay, making connections between the descriptive codes

by identifying axial codes.³⁷ These were discussed during the meetings which led to three central categories.

RESULTS

In total, 54 essays met the inclusion criteria; 22 students gave consent for participation in the study and their 24 essays were included (2 students had 2 included essays).

Flow chart of recruitment



During content analysis, three main themes were identified: (1) emotions, (2) empathy and (3) experiential and reflective learning (table 1). The first two themes relate more to what students wrote and the last theme is about how students learn in palliative care. As no new themes were emerging, as assessed independently by all authors, with the included 24 essays, the team was confident that data saturation was reached and no further essays were accessed. The form of some essays was superficial being principally descriptive about individual patients they had seen, describing their appearance and characteristics in great detail without dense reflection on the sensitive topics which they raised (table 1). Many students wrote passionately

Table 1 Illustrative quotes from the essays

Theme	Illustrative quotes
Emotions	<i>Tears were running down everybody's faces in the room during the consult, and as the patient howled and screamed at the thought of his prognosis I have to admit it took all my strength not to let out an audible sob or walk over and grab and hug him. (R14a, male)</i>
	<i>Observing this consultation was a very emotional experience, which I left feeling rather upset. It made me think that it could have been one of my relatives in that situation, and if it was I would not have wanted it to have transpired like it did. Whilst I was in the room it would not have been appropriate for me to show the emotions I was feeling, as it would not have helped the patient and they may become annoyed at someone 'feeling sorry' for them. As this was one of the first encounters I had where bad news was given, I feel I have since adapted a lot more to hearing it and even though it is still sad to witness, I have become a lot less emotional in these situations. (R13, female)</i>
	<i>Health care staff must be able to accept their own feelings, in order to be able to put them aside so that they can deliver the best care for the patient. At the same time, this will make sure they don't distance themselves from patients when they ask "end of life" questions. This I felt will be a hard for me to do, as I find it hard to strike a balance between acting professionally whilst at the same time showing an appropriate amount of sympathy. (R4, male)</i>
Empathy	<i>Every patient has a real need to be treated as a real person and that no amount of knowledge will be useful if I cannot interact correctly with the patient on a human level. (R20, female)</i>
	<i>The key point that I can take from this contact was the importance of taking time with patients, however long you can realistically manage, to gain a better understanding of what the person, not the patient, wants from their treatment and care. (R11, male)</i>
	<i>Although I attempted to employ empathy, it was difficult because I had no idea what this man must be feeling. Before, I have always used empathy by trying to stand in the other person's shoes and mimic what I think they should be feeling. In this case, I just couldn't do that. (R1, male)</i>
Experiential and reflective learning	<i>The visit with the Macmillan nurse was a learning curve for me. It is not a situation that I have previously come across and therefore I found it a very valuable. (R10, female)</i>
	<i>When I reach a consultant's post, I really want to try and remember how it was during my foundation years. I don't want to lose touch of the reason that we are all in this profession. We exist for the patients, not for any other reason, and without patients, we have no role in society. (R17, male)</i>
	<i>I hope that this encounter with this particular patient will help me develop as a medical student and make me a better doctor, as I will never forget how cancer has affected this person. I will be able to apply this experience to further encounters with patients, and have a greater understanding of how a terminal illness, in particular cancer, affects them. I have seen clearly how frightening it is for the patient to deal with and how much pain and suffering it can cause. (R22, female)</i>

349 about the importance of caring for people with a ter- 407
 350 minal illness. 408

351 Emotions 409

352 The main emphasis in this theme is how students 410
 353 dealt with emotions before and during their place- 411
 354 ments. Students described an experience 412
 Q25 before the place- 413
 356 ment and were worried about how they would 414
 357 control, or fail to control, their emotions during an 415
 358 encounter with a patient: 416

359 I had to bite my tongue and count slowly in my head 417
 360 in order to keep my tears at bay. (R18, female) 418
 361 419

362 In the essays, descriptions of the emotions are 420
 363 quickly followed by reflections on the need to learn 421
 364 how to manage emotions. Students worry about 422
 365 losing control or becoming emotional which they per- 423
 366 ceive as unprofessional behaviour. Some reflected that 424
 367 it is not as simple as striving to be totally in control of 425
 368 emotions, as they need to have, and to show, some 426
 369 emotions to connect with patients. For some students, 427
 370 the emotions were related to triggering memories of 428
 371 bereavements or serious illness in a friend or relative. 429
 372 For others, the thought that what they witnessed 430
 373 during their placements could happen to them or 431
 374 someone close to them set off a whirlwind of emo- 432
 375 tions. One student described how they coped with 433
 376 their emotions in this setting after a personal bereave- 434
 377 ment and how this helped them be more empathic. 435
 378 436

379 Empathy 437

380 Students reported the need for holistic care and to see 438
 381 the patient as a 'whole' person, not 'a set of symp- 439
 382 toms'. They saw the doctor focusing on the dying 440
 383 person, not just the disease. This led to the need for a 441
 384 specific approach, which students asked for in their 442
 385 reflective essays: 443
 386 444

387 For future scenarios I think it would be helpful to 445
 388 learn about how to approach talking to patients.... 446
 389 (R16, male) 447

390 On seeing patients as 'people', many wrote about 448
 391 'empathy'. This concept was used to reflect on differ- 449
 392 ent issues: emotional state of students and doctors, 450
 393 approach to end-of-life care and an essential attribute. 451
 394 Indeed, being emphatic was perceived as 'more than 452
 395 just feeling sorry' and seen as an important trait of 453
 396 being a professional and competent clinician in 454
 397 dealing with dying and death. Tutors served as role 455
 398 models in showing empathy or, occasionally, showed 456
 399 how it should not be done. There was also a practical 457
 400 side, with 'empathy' being a strategy, a plan of action, 458
 401 a technique, something to be learnt and to adhere to. 459
 402 There was a consensus from these essays that holistic 460
 403 care and effective empathic interaction require time. 461
 404 In student time management and doctors' empathy were 462
 405 associated with clinical competence which the stu- 463
 406 dents aspired to. 464

407 Experiential and reflective learning 408

409 The essays indicate that the students partly learn 410
 411 about palliative care through clinical experience and 411
 412 reflection on these experiences. Students reported the 412
 413 need to learn and develop many skills by example, 413
 414 and that their first experience of dying and death 414
 415 often takes place while being exposed to palliative 415
 416 care. Students need to experience situations where 416
 417 they can see doctors interact with patients and rela- 417
 418 tives in difficult situations: 418
 419 419

420 Textbook cases are no longer the method of learning. 420
 421 (R2, male) 421
 422 422

423 The medical students often wrote about the need to 423
 424 be reflective and that they spent time reflecting on 424
 425 certain clinical encounters. They reported that the 425
 426 skill of reflection is one they hope to take with them 426
 427 throughout their medical career. Writing reflectively 427
 428 was identified as an ideal tool to develop as doctors 428
 429 and to learn coping strategies in dealing with difficult 429
 430 situations. This reflection, along with continual learn- 430
 431 ing, allows experiential knowledge to marinate and 431
 432 help develop the students into their own style, learn- 432
 433 ing what they would want to be like and moving away 433
 434 from what they would not. 434

435 The overlapping nature of the three themes was 435
 436 evident in many of the student reflections (table 1): 436
 437 437

438 I did not panic when the patient started to cry and 438
 439 feel I was both empathetic and sensitive. I used 439
 440 silences to allow the patient to start talking when he 440
 441 was ready and he told me himself that he had been 441
 442 really glad to meet and speak with me. (R15, female) 442
 443 443

444 DISCUSSION 444

445 By analysing reflective essays, medical students' learn- 445
 446 ing and understanding of death, dying and palliative 446
 447 care was evaluated. We had two main objectives. The 447
 448 first was to explore how medical students learn about 448
 449 and deal with death, dying and palliative care during 449
 450 and after a clinical placement. Caring for people with 450
 451 a terminal illness is an area that many students were 451
 452 passionate about but struggled with the balance of 452
 453 'cure' against quality, and the relative importance of 453
 454 these for the patient and their family; this is also an 454
 455 issue for doctors.^{38 39} Students learn from seeing 455
 456 doctors in these situations especially as many will not 456
 457 have come across dying and death before. When a 457
 458 student has been recently bereaved, it can add to emo- 458
 459 tional difficulties when exposed to dying patients, but 459
 460 might also give the student insight and empathy that 460
 461 can only come with this experience. 461

462 The students discussed the difficulty of balancing 462
 463 showing empathy and professionalism, which some of 463
 464 them interpret as being distant; an experiential learn- 464
 465 ing gap was evident. The balance of emotions and 465
 466 using empathy and applying this in the clinical situ- 466
 467 ation as professionalism are developed by experience 467
 468 of seeing tutors/teachers in practice and by reflection. 468

465 This involves the student being present and the tutors/
466 teachers being engaged with the patients and relatives
467 and exhibiting these skills for the students to learn.

468 Our findings confirm previous work describing tensions
469 between old professionalism and new professionalism
470 (for instance, detachment vs empathy;
471 patient-centred communication vs paternalism).⁴⁰
472 Furthermore, students need to be comfortable discussing
473 how they feel with the doctors they are working
474 with to aid this experiential learning. In clinical practice,
475 to encourage this, it is vital students are exposed
476 to situations where they can learn; this takes prioritisation
477 and motivation from the students and opportunities
478 and engagement from the tutors/teachers.

479 The second main objective was to use the analysis
480 of the reflective essay to provide insights to improve
481 medical education about end-of-life care and/or palliative
482 care. In common with Head *et al*,²⁷ many essays
483 were very descriptive about individual patients. It is
484 apparent students learn from powerful patient stories
485 and need to develop their reflective skills to build
486 upon these descriptive accounts. Based on the review
487 of essays and previous studies,^{17 18} key factors were
488 identified which are important in the use of reflective
489 essays for learning tools in palliative and end-of-life
490 care (table 2). Skills training should include teaching
491 on how to reflect and write reflective essays, especially
492 as this is also needed for continued professional development.
493 Their experience in palliative care can aid this.
494 To deepen reflective ability, the essays should be
495 marked by an experienced supervisor, followed by
496 one-to-one or small group guided conversations of
497 their reflection in which prompts taken from the essay
498 are used, and finally structured feedback. The reflective
499 essays' content could be enhanced by having a
500 more defined remit/topic to write about which might
501 increase the focus of the essay, for example, based on
502 encounters with a patient, observation (breaking bad

523 news, clinical scenario) and focusing on key areas.
524 Controlling emotion and empathy are common
525 themes, exemplified by reflections such as: 'how do I
526 know what it is like to be terminally-ill' and 'what if it
527 was my mother'. These should be included in remit/
528 topic of reflection. There also needs to be promotion
529 of experiential learning in palliative care and dying
530 and death as core to the curriculum.

531 From the current and previous studies, students
532 often reported feeling anxious (including how to
533 control emotions and be empathetic) before the
534 hospice/palliative care placement; however, they learnt
535 from their experience, often becoming empowered
536 from it.^{17 18} This could be addressed before a hospice
537 visit by guided discussion prior to seeing palliative
538 care patient and peer (student-student) preparation
539 from students who have been to the hospice^{17 18}
540 (table 2).

542 Strength and limitations

543 This study builds upon previous studies by the same
544 research team and provides a more nuanced understanding
545 of medical student learning about palliative
546 care and wider learning such as reflection.^{17 18} It
547 helps dissect key areas which the students find difficult
548 and enables the foundation for enhanced preparation
549 for students. A robust methodology was used in
550 the analysis, drawing on the different experiences and
551 expertise of the research team members.

552 One of the main limitations is that this study just
553 analysed the single perspective of what students wrote
554 in their essays, as they reflect in different ways and
555 some might not like reflecting by writing. This is an
556 analysis of routinely collected data; nevertheless, the
557 themes that arise are clear and important for practice
558 and future work. The reflection in some of the essays
559 was superficial, but key themes nevertheless arose.
560 Our methodology of attaining the essays was aimed to
561

505 **Table 2** Findings, implications and suggestions for clinical and educational practice

506 Findings	507 Implications for education	508 Suggestions for practice
509 Variety in denseness of reflection; not always detailed reflection in essays	510 Students need more guidance and space to reflect	511 Structured teaching sessions on how to reflect, reflective writing and learning 512 Longer essays to enhance the ability to reflect
513 Many different topics discussed by students; diffuse reflections	514 Clear topics for reflective essay in palliative care to enhance targeted reflection; more developmental for students learning to be more focused	515 A clear remit/topic for the reflective essays 516 Targeted reflection on empathy and emotions
517 Form and content of essays suggest some students do not reflect as deeply as they could	518 Follow-up and feedback on essays	519 Small group (or one-to-one) reflection discussions and feedback with prompting, guided conversations and structured feedback 520 Training on reflective feedback for supervisors
521 Dealing with emotions and notions of empathy	522 Students need to be prepared for sensitive encounters	523 Peer and palliative care specialist tutor preparation for students prior to clinical palliative medicine placement
524 Students' personal life events	525 Potentially difficult for some students to be in the palliative care/hospice environment	526 Identification of specific individual student needs
527 Need for holistic specialist palliative care experience	528 Important for students to have time with specialists in palliative care	529 Ensure student exposure to palliative care specialists

remove selection bias, by identifying all essays in a year group which met the inclusion criteria. The majority of relevant essays should have been identified, although our search terms were not exhaustive. There might be differences between year groups and institutions; however, the pool of essays screened was from a large number of students. Selection bias might have occurred as we needed consent to include the essays in the analysis; this was obtained from just under half of the students and it is unknown how representative were they of all students who wrote about death and dying.

Implications for clinical and educational practice

To be competent doctors, it is important that students are exposed to dying and death, and although this experience should be across clinical settings, they tend to get most exposure when attached to palliative care. In the UK, where palliative care is well established, this can be embedded into the clinical experience of students. This might prove more difficult in countries and medical schools where palliative care is in its developmental stages, but would be important to consider in the development of these services.

Future research

Future research needs to build upon this work and the work of others and be based on the common concerns of medical students prior to seeing palliative care patients, going to a hospice/palliative care unit. We would propose a peer intervention to better prepare medical students prior to their specialist palliative care block, which would need to be tested by a multicentre, education intervention, cluster randomised controlled trial.

Conclusions

Medical students' reflective essays gave important insights into how they interact with and feel about dying patients. The key themes from the essays were emotions, empathy and experiential and reflective learning. Many students wrote passionately about the importance of managing dying patients and that they need to be empathic doctors, balancing their emotional involvement with dying patients. It is vital that students' opportunity to reflect is optimised and that reflective essays are used to enhance learning in a specific area, as demonstrated here with death, dying and palliative care. Providing feedback to students is key to developing the skills to use reflective discourse constructively.

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