A national facilitation project to improve primary palliative care: impact of the Gold Standards Framework on process and self-ratings of quality

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ABSTRACT

Background: Improving quality of end-of-life care is a key driver of UK policy. The Gold Standards Framework (GSF) for Palliative Care aims to strengthen primary palliative care through facilitating implementation of systematic clinical and organisational processes.

Objectives: To describe the general practices that participated in the GSF programme in 2003–5 and the changes in process and perception of quality that occurred in the year following entry into the programme, and to identify factors associated with the extent of change.

Methods: Participating practices completed a questionnaire at baseline and another approximately 12 months later. Data were derived from categorical questions about the implementation of 35 organisational and clinical processes, and self-rated assessments of quality, associated with palliative care provision.

Participants: 1305 practices (total registered population almost 10 million). Follow-up questionnaire completed by 955 (73.2%) practices (after mean (SD) 12.8 (2.8) months; median 13 months).

Findings: Mean increase in total number of processes implemented (maximum = 35) was 9.6 (95% CI 9.0 to 10.2; p<0.001; baseline: 15.7 (SD 6.4), follow-up: 25.2 (SD 5.2)). Extent of change was largest for practices with low baseline scores. Aspects of process related to coordination and communication showed the greatest change. All dimensions of quality improved following GSF implementation; change was highest for the “quality of palliative care for cancer patients” and “confidence in assessing, recording and addressing the physical and psychosocial areas of patient care”.

Conclusion: Implementation of the GSF seems to have resulted in substantial improvements in process and quality of palliative care. Further research is required of the extent to which this has enhanced care (physical, practical and psychological outcomes) for patients and carers.

The important role that primary care professionals play as providers of palliative care is widely recognised, but the processes, resources and skills to provide effective care are often lacking. In consequence, many patients in the UK lack access to well-coordinated, comprehensive community-based palliative care that can effectively address their psychosocial and physical needs. One specific consequence is that about 50% of patients do not die where they would choose, with stark disparity between those who wish to die at home and those who do so.
The GSF aims to facilitate primary healthcare teams to achieve:

- optimal control of patients’ symptoms;
- patients enabled to live and die well, in their preferred place of choice;
- fewer crises and unplanned admissions to hospital or hospice;
- better supported, informed and empowered patients and carers;
- greater confidence in primary healthcare teams in the care they provide;
- more effective teamworking;
- better communication between team members and patients/carers.

Implementation of the GSF is facilitated by local facilitators who have been appointed by primary care organisations to develop local interest and introduce GSF to practices in their area. While some facilitators are funded or seconded to work two to four sessions every week to implement the GSF, others have been funded full time for a fixed period. GSF facilitators come from many different backgrounds, but the majority are general practitioners (GPs) or district nurses, clinical nurse specialists or project managers. Facilitators support the GSF practices by organising local GSF practice coordinator meetings, the registration of practices and collection of GSF questionnaires.

A national GSF team supports facilitators through workshops, an advice line, a newsletter and website resources including a password-protected facilitator support section. Practices have access to a website (http://www.goldstandardsframework.nhs.uk) with practical tools, guidance documents and examples of good practice. These integrate many established aspects of primary palliative care: identifying palliative patients systematically, naming a lead GP and community nurse for each patient, coordinating multidisciplinary working through regular meetings, advance planning of care with patients, etc.

Box 2 Aspects of the GSF programme: the seven Cs

<table>
<thead>
<tr>
<th>C1—Communication</th>
<th>Palliative care register maintained; regular primary healthcare team (PHCT) meetings held to discuss and plan care for patients on the register.</th>
</tr>
</thead>
<tbody>
<tr>
<td>C2—Coordination</td>
<td>A practice coordinator (eg, GP, district nurse or manager) oversees the work of GSF, acting as a contact for the local GSF facilitator; record maintained of preferred place of death; named GP and district nurse for each patient.</td>
</tr>
<tr>
<td>C3—Control of symptoms</td>
<td>Effective holistic management of all aspects of care, including the use of physical assessment tools to identify and address physical symptoms and psychosocial and spiritual needs.</td>
</tr>
<tr>
<td>C4—Continuity</td>
<td>A key PHCT member identified for each patient and information flow maintained, eg, with out-of-hours providers.</td>
</tr>
<tr>
<td>C5—Continued learning</td>
<td>Practice-based education in palliative care, including audits and significant event analysis</td>
</tr>
<tr>
<td>C6—Carer support</td>
<td>Identifying and meeting the needs of informal carers, before and after the patient’s death</td>
</tr>
<tr>
<td>C7—Care of the dying</td>
<td>Identifying terminal phase, managing it appropriately, using protocols such as the Liverpool Care Pathway; availability of anticipatory care procedures; assessing need for continued medication in last days of life; informing family when dying phase is approaching.</td>
</tr>
</tbody>
</table>

- to describe the practices that participated;
- to describe changes that occurred in the year following entry to the programme in practices’ processes associated with the provision of palliative care;
- to identify factors associated with the extent of change that occurred.

METHODS
Setting and recruitment
General practices in England and Northern Ireland were recruited through written and, when possible, electronic promotional materials sent to the service improvement leads and nurse directors of each cancer network, members of the Macmillan GP network (approximately 100 GPs), existing GSF area facilitators, and the primary care cancer leads of primary care trusts (PCTs). Most practices received no financial reward for participating in the GSF programme; a small minority of PCTs in England incentivised participation through enhanced local delivery plans.

Interested practices were contacted by local palliative care facilitators. These tended to be GPs with a special interest in palliative care, district nurses or palliative care nurses, and were generally funded by the local PCT or cancer network. In all, there were approximately 190 facilitators involved in the local implementation of the programme between 2008 and 2005.

Data collection
Data on each participating practice were collected through self-completed questionnaires at baseline (as part of their registration with the programme), and again 6–12 months later. Questionnaires were mailed to the GP or nurse named by the practice as its coordinator of GSF implementation, with a
covering letter. Approximately 4 weeks later, non-responding practices were sent a second copy of the questionnaire, and 3 weeks after this, reminder phone calls were made. For GSF phases 3–5, practices completed follow-up questionnaires at 6 and 12 months. As there were very few differences between the responses given at 6 and 12 months, phase 6 practices were asked to complete only one follow-up questionnaire at 12 months. The follow-up questionnaires used in the analysis were the latest questionnaire that each practice completed.

The questionnaire was based on the original one used in GSF phases 1 and 2, developed by KT with palliative care academics based on a systematic review of the literature, and modified by a team of researchers and clinicians following initial piloting. It contains 62 questions about practices’ provision of palliative care and use of the GSF, of which 41 were analysed for the purposes of the current study: 35 tick-box process questions (predominantly yes/no) addressing issues of process and organisational structure, such as whether the practice holds regular team meetings or has a register for palliative care cancer patients; and 6 Likert-type rating questions (each with a scale of 1 “very poor” to 5 “very good”) about aspects of quality, such as teamwork in the practice.

Data analysis
The data were summarised using descriptive statistics (mean (SD)) to describe the degree of implementation of each process reported on in the questionnaires at baseline and follow-up and describe the extent of change. A total process score was calculated at baseline and follow-up by summing the responses over all the process scores (range of total score: 1 to 35, with 1 indicating the lowest level of implementation of processes). Absolute change was calculated by subtracting baseline from follow-up scores. The difference in the scores was not normally distributed and therefore the Wilcoxon signed rank test was used to assess whether the difference was statistically significant.

Several variables were identified as potential predictors of baseline total score, the final total score and the extent of change. Linear regression models using forward stepwise method were used to select variables. In this approach, each change. Linear regression models using forward stepwise

<table>
<thead>
<tr>
<th>Table 1 Characteristics of the participating practices</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Practices returning baseline questionnaire (n = 1305)</strong></td>
</tr>
<tr>
<td><strong>Practice size, patients</strong></td>
</tr>
<tr>
<td>1–5000</td>
</tr>
<tr>
<td>5001–10000</td>
</tr>
<tr>
<td>10001–15000</td>
</tr>
<tr>
<td>15001–20000</td>
</tr>
<tr>
<td>20001–25000</td>
</tr>
<tr>
<td>25001+</td>
</tr>
<tr>
<td><strong>Location</strong></td>
</tr>
<tr>
<td>Urban</td>
</tr>
<tr>
<td>Semi-rural and mixed</td>
</tr>
<tr>
<td>Rural</td>
</tr>
<tr>
<td><strong>Training practice</strong></td>
</tr>
<tr>
<td>533 (40.8%)</td>
</tr>
<tr>
<td><strong>No of registered patients</strong></td>
</tr>
<tr>
<td>9 830 000</td>
</tr>
</tbody>
</table>
Table 2  Responses to process questions at baseline and follow-up

<table>
<thead>
<tr>
<th>Process question</th>
<th>All practices returning baseline questionnaire (n = 1305)</th>
<th>Practices returning baseline and final questionnaires (n = 955)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Up-to-date cancer register</td>
<td>723 (55.4)</td>
<td>515 (53.9)</td>
</tr>
<tr>
<td>2. Up-to-date palliative care register</td>
<td>290 (22.2)</td>
<td>219 (22.9)</td>
</tr>
<tr>
<td>3. Regular primary healthcare team (PHCT) meetings</td>
<td>865 (66.3)</td>
<td>648 (67.9)</td>
</tr>
<tr>
<td>4. Regularly discuss palliative care patients at PHCT meeting</td>
<td>339 (26.0)</td>
<td>256 (26.8)</td>
</tr>
<tr>
<td>5. Use a palliative care communication tool</td>
<td>906 (69.4)</td>
<td>675 (70.7)</td>
</tr>
<tr>
<td>6. Regular planned practice meetings with palliative care specialist(s)</td>
<td>549 (42.1)</td>
<td>412 (43.1)</td>
</tr>
<tr>
<td>7. Nominated coordinator within practice for palliative care</td>
<td>582 (44.6)</td>
<td>441 (46.2)</td>
</tr>
<tr>
<td>8. Inform secondary care specialist of coordinator’s details</td>
<td>135 (10.3)</td>
<td>102 (10.7)</td>
</tr>
<tr>
<td>9. Record advanced care planning with whole PHCT</td>
<td>279 (21.4)</td>
<td>221 (23.1)</td>
</tr>
<tr>
<td>10. Record advanced care planning with patients/carers</td>
<td>689 (52.8)</td>
<td>528 (55.3)</td>
</tr>
<tr>
<td>11. Record preferred place of care/death</td>
<td>313 (24.0)</td>
<td>239 (25.0)</td>
</tr>
<tr>
<td>12. Note lead general practitioner and district nurse for each patient</td>
<td>562 (43.1)</td>
<td>437 (45.8)</td>
</tr>
<tr>
<td>13. Use physical symptom assessment tool for palliative care needs</td>
<td>386 (29.6)</td>
<td>294 (30.8)</td>
</tr>
<tr>
<td>14. Routinely assess palliative care patients’ physical needs and symptom control</td>
<td>1072 (82.1)</td>
<td>785 (82.2)</td>
</tr>
<tr>
<td>15. Routinely assess psychosocial needs</td>
<td>928 (71.1)</td>
<td>689 (72.1)</td>
</tr>
<tr>
<td>16. Routinely assess religious/spiritual needs</td>
<td>482 (36.9)</td>
<td>366 (38.3)</td>
</tr>
<tr>
<td>17. System/protocol to routinely assess patients’ expressed needs</td>
<td>551 (42.2)</td>
<td>414 (43.4)</td>
</tr>
<tr>
<td>18. Send handover form to out-of-hours care provider</td>
<td>547 (41.9)</td>
<td>414 (43.4)</td>
</tr>
<tr>
<td>19. Practice-based educational palliative care events in last 6 months</td>
<td>409 (31.3)</td>
<td>305 (31.9)</td>
</tr>
<tr>
<td>20. Palliative care review/audit meeting in last 6 months</td>
<td>224 (17.2)</td>
<td>166 (17.4)</td>
</tr>
<tr>
<td>21. Regularly use palliative care significant event analysis</td>
<td>786 (60.2)</td>
<td>582 (60.9)</td>
</tr>
<tr>
<td>22. Maintain carers’ database</td>
<td>396 (30.3)</td>
<td>292 (30.6)</td>
</tr>
<tr>
<td>23. Offer specific leaflets/information to carers</td>
<td>530 (40.6)</td>
<td>402 (42.1)</td>
</tr>
<tr>
<td>24. Give carers information on what to do after death</td>
<td>801 (61.4)</td>
<td>609 (63.8)</td>
</tr>
<tr>
<td>25. Routinely assess main carer’s practical needs</td>
<td>855 (65.5)</td>
<td>643 (67.3)</td>
</tr>
<tr>
<td>26. Routinely assess main carer’s psychosocial needs</td>
<td>596 (45.7)</td>
<td>455 (47.6)</td>
</tr>
<tr>
<td>27. Give carers information regarding statutory services</td>
<td>557 (42.7)</td>
<td>407 (42.6)</td>
</tr>
<tr>
<td>28. Have a practice protocol for care of the bereaved</td>
<td>272 (20.8)</td>
<td>201 (21.0)</td>
</tr>
<tr>
<td>29. Have practice protocol for care of dying cancer patients</td>
<td>205 (15.7)</td>
<td>160 (16.8)</td>
</tr>
<tr>
<td>30. Follow a care pathway</td>
<td>166 (12.7)</td>
<td>120 (12.6)</td>
</tr>
<tr>
<td>31. Have a procedure for use of anticipatory medication in the home</td>
<td>633 (48.5)</td>
<td>467 (48.9)</td>
</tr>
<tr>
<td>32. Routinely assess and discontinue inappropriate medication</td>
<td>1081 (82.8)</td>
<td>807 (84.5)</td>
</tr>
<tr>
<td>33. Inform family when cancer patient is entering the dying phase</td>
<td>1213 (93.0)</td>
<td>896 (93.8)</td>
</tr>
<tr>
<td>34. Extended principles to non-cancer patients</td>
<td>653 (50.0)</td>
<td>486 (50.9)</td>
</tr>
<tr>
<td>35. Extended work to patients from point of diagnosis</td>
<td>374 (28.7)</td>
<td>270 (28.3)</td>
</tr>
</tbody>
</table>

Change in process and rating scores

Table 2 shows the level of implementation of processes related to palliative care that practices reported at baseline and follow-up. The mean (SD) for the total number of processes implemented (maximum possible = 85) increased by 9.6 (95% CI 9.0 to 10.2; p<0.001), from 15.7 (6.4) at baseline to 25.2 (5.2) at follow-up. Change was largest for practices with low baseline scores (total score <13 points); these achieved a mean change of 14.8 points (95% CI 13.9 to 15.7; interquartile range 11–19 points). Those with medium scores at baseline (15–24 points) had a mean change of 8.2 points (95% CI 7.7 to 8.8; interquartile range 5–11), while high-scoring practices (>25 points) achieved a mean change of only 1.2 points (95% CI –0.4 to 2.9; interquartile range 0–4.8). Figure 1 illustrates the pattern of change relative to baseline process score.

The aspects of practice that showed the greatest level of change were related to coordination and communication, both being processes for which there was considerable scope for improvement at baseline. For example, at follow-up, 90.2% of practices described having a register of patients in need of palliative care.
palliative care compared with 23.4% at baseline, 78.9% (27.0% at baseline) regularly discussed palliative cancer patients at team meetings, 70.6% (23.4% at baseline) recorded advance care planning with the PHCT, and 72.8% (25.4% at baseline) recorded palliative care patients’ preferred place of death.

For the 449 practices that completed all parts of the questionnaire and included in the generalised linear model, no significant associations were identified between practice characteristics or GSF phase and total process scores. Responses to three of the rating questions at baseline (“confidence in assessing, recording and addressing the physical and psychosocial areas of patient care”; “quality of support offered to carers” and “quality of palliative care for cancer patients”) were associated with total baseline process score (p<0.001 for each measure). For example, for practices that rated the quality of palliative care they provided as “average”, the adjusted mean of the total process score at baseline was 14.2 (95% CI 12.9 to 15.4), compared with 17.2 (95% CI 16.0 to 19.4) for those that rated their care as “very good”.

The extent of change that occurred in process scores was directly associated with the rating of the quality of palliative care at follow-up and inversely with the rating of support to carers at baseline (p<0.001). For example, practices that rated their quality of palliative care at follow-up as “very good” had an adjusted mean change of 11.6 (95% CI 10.8 to 12.4), while for those that rated their care as “average” it was only 4.3 (95% CI 2.9 to 5.6). On the other hand, for practices that rated the support they offered to carers at baseline as “poor”, the adjusted mean change was 10.3 (95% CI 8.9 to 11.6), while for practices that rated it as “very good”, it was 6.9 (95% CI 5.1 to 8.6).

This suggests that the extent to which practices are dissatisfied with their provision of support to carers affects the motivation to improve palliative care processes.

Three variables emerged as being strongly associated with final total process score. These were baseline total process score, and final responses to the rating questions about “confidence in assessing, recording and addressing the physical and psychosocial areas of patient care” and “quality of palliative care for cancer patients” (p<0.001 for each item). The more positive the response to each of these rating questions, the higher the

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**Table 3** Responses to rating questions at baseline and follow-up* and the difference between scores

<table>
<thead>
<tr>
<th>Quality measure addressed</th>
<th>No of practices</th>
<th>Range (minimum–maximum)</th>
<th>Mean (SD)</th>
<th>Median</th>
<th>Wilcoxon signed ranks test statistics on significance of the difference between baseline and final ratings</th>
</tr>
</thead>
<tbody>
<tr>
<td>Confidence regarding physical/psychosocial patient care</td>
<td>Baseline</td>
<td>937</td>
<td>1–5</td>
<td>3.51 (0.77)</td>
<td>4.00</td>
</tr>
<tr>
<td>Final</td>
<td>942</td>
<td>1–5</td>
<td>3.94 (0.67)</td>
<td>4.00</td>
<td></td>
</tr>
<tr>
<td>Difference</td>
<td>924</td>
<td>−3–3</td>
<td>0.43 (0.86)</td>
<td>0.00</td>
<td>Z = −13.44; p&lt;0.001</td>
</tr>
<tr>
<td>Quality of support offered to carers</td>
<td>Baseline</td>
<td>936</td>
<td>1–5</td>
<td>3.38 (0.78)</td>
<td>3.00</td>
</tr>
<tr>
<td>Final</td>
<td>944</td>
<td>2–5</td>
<td>3.80 (0.68)</td>
<td>4.00</td>
<td></td>
</tr>
<tr>
<td>Difference</td>
<td>926</td>
<td>−2–4</td>
<td>0.42 (0.88)</td>
<td>0.00</td>
<td>Z = −13.10; p&lt;0.001</td>
</tr>
<tr>
<td>Quality of support offered to practice staff</td>
<td>Baseline</td>
<td>929</td>
<td>1–5</td>
<td>3.48 (0.82)</td>
<td>4.00</td>
</tr>
<tr>
<td>Final</td>
<td>934</td>
<td>1–5</td>
<td>3.81 (0.73)</td>
<td>4.00</td>
<td></td>
</tr>
<tr>
<td>Difference</td>
<td>909</td>
<td>−3–4</td>
<td>0.32 (0.89)</td>
<td>0.00</td>
<td>Z = −10.11; p&lt;0.001</td>
</tr>
<tr>
<td>Quality of teamwork in the practice</td>
<td>Baseline</td>
<td>942</td>
<td>1–5</td>
<td>3.83 (0.81)</td>
<td>4.00</td>
</tr>
<tr>
<td>Final</td>
<td>943</td>
<td>1–5</td>
<td>4.16 (0.73)</td>
<td>4.00</td>
<td></td>
</tr>
<tr>
<td>Difference</td>
<td>931</td>
<td>−3–4</td>
<td>0.32 (0.89)</td>
<td>0.00</td>
<td>Z = −10.34; p&lt;0.001</td>
</tr>
<tr>
<td>Quality of palliative care for cancer patients</td>
<td>Baseline</td>
<td>935</td>
<td>1–5</td>
<td>3.72 (0.73)</td>
<td>4.00</td>
</tr>
<tr>
<td>Final</td>
<td>936</td>
<td>1–5</td>
<td>4.16 (0.63)</td>
<td>4.00</td>
<td></td>
</tr>
<tr>
<td>Difference</td>
<td>916</td>
<td>−3–4</td>
<td>0.44 (0.81)</td>
<td>0.00</td>
<td>Z = −14.40; p&lt;0.001</td>
</tr>
<tr>
<td>Level of co-working with palliative care specialists</td>
<td>Baseline</td>
<td>933</td>
<td>1–5</td>
<td>3.65 (0.83)</td>
<td>4.00</td>
</tr>
<tr>
<td>Final</td>
<td>936</td>
<td>1–5</td>
<td>4.07 (0.72)</td>
<td>4.00</td>
<td></td>
</tr>
<tr>
<td>Difference</td>
<td>914</td>
<td>−2–4</td>
<td>0.41 (0.92)</td>
<td>0.00</td>
<td>Z = −12.47; p&lt;0.001</td>
</tr>
</tbody>
</table>

*Range: 1 “very poor” to 5 “very good”.

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adjusted mean final total score. For example, practices rating their confidence as “very good” had an adjusted mean final total score of 26.6 (95% CI 25.4 to 27.7), whereas those that rated it as “poor” had an adjusted mean of 15.1 (95% CI 11.5 to 18.7).

DISCUSSION
The findings from this study suggest that the GSF in community palliative care offers a helpful means of facilitating the uptake of processes associated with high-quality care. Despite a general lack of financial incentive for participation at the time of this study, the GSF achieved a very high level of uptake. Over 1300 practices entered the scheme, with registered populations covering about 15% of the population of England and Northern Ireland. The vast majority reported improvement in their processes related to palliative care and procedures and their perceptions of the quality of care provided.

The implementation of palliative care processes by practices was not associated with their size, training status, location, nor the phase of the programme that they entered. This implies that other aspects, such as the attitude, motivation and team dynamics within a practice, may have been more important in supporting or hindering adoption of new processes rather than local health priorities or the specific health policy context (which underwent considerable change between 2003 and 2005). Although practices that were already high scoring at baseline showed least improvement in their process scores, it is possible that such practices made use of the GSF to improve their existing processes and thereby the quality of their palliative care in ways that the audit questionnaire could not capture.

One of the most remarkable changes that practices reported having made was the introduction of a palliative care registry: 23.4% had this when they entered the programme compared with 90.2% a year later. Although evidence is lacking that the use of a register leads to more effective outcomes in palliative care, registers in other areas of healthcare have been found to lead to improved practice. For example, in chronic disease management in general practice, registers have been shown to support the achievement of high-quality care. However, the relationship between process and outcome is complex and likely to be mediated by a host of structural and organisational issues.

Practices that rated highly the quality of their palliative care were more likely than other practices to have formal processes in place to support such care, which suggests that practices perceive an association between primary palliative care process and outcome. In addition, there was evidence that practices that had the greatest self-confidence in the quality of palliative care they provided were those that introduced the largest number of new processes, and had so experienced the greatest impact from participating in the GSF programme.

Methodological considerations
A number of methodological issues need to be considered in the interpretation of this finding. First, although the GSF has had very high uptake across the UK, it is likely that practices that volunteered to participate had a greater interest in, and were more motivated to improve, the quality of primary palliative care than practices that did not. This level of interest probably contributed to the very high questionnaire response rates, and hence the representativeness of findings. Their generalisability to practices that chose not to participate in the GSF programme cannot be assumed.

Second, the data for this evaluation were self-reported, and responses may have reflected the view of a single respondent rather than the collective view of a practice. Sometimes different respondents completed baseline and follow-up questionnaires. The reliability and validity of self-completed questionnaires when completed by health professionals is an area of quite limited research. While self-reports allow access to large amounts of data at relatively minimal cost, there are several limitations: answers can be incorrect due to lack of understanding or (room for) explanation; forgetting the necessary information; giving an intentional/unintentional false answer; and a tendency to omit, withhold or minimise data if they are not socially desirable and to answer “yes” to questions. Memory recall may have considerable impact, and the frequency that processes are used will influence how accurately they are recalled.

Third, no attempt was made to weight the importance of individual processes or the complexity of implementing them in assessing the degree of change that occurred between baseline and follow-up. This aspect of the questionnaire could be developed further through research.

Finally, it was beyond the scope of this evaluation to evaluate the extent to which individual practices made use of the GSF resources made available to them or how this affected the degree of change that they reported or the degree to which patients benefited from the changes. However, we have previously reported a qualitative case study of 15 practices, selected to reflect the diversity of practices participating in GSF, conducted up to 2 years after the GSF follow-up questionnaire had been completed. This found a broad level of consistency between the GSF process data scores (as described above) and the quality of palliative care activity observed within practices, particularly for practices with high questionnaire scores. This finding provides support for both the validity of the GSF questionnaire as well as the sustainability of change that occurs. Supportive team relationships emerged as critically influencing effective and sustainable palliative care activity within practices. Marginal performance, by contrast, occurred where commitment was less pervasive, practice priorities conflicted, and/or where there was changing personnel. Conducting trials to assess the clinical effectiveness of complex interventions in palliative care is acknowledged as problematic and new methods are needed to enable patient outcomes to be evaluated. A current study is assessing the feasibility of comparing care given to patients in practices before taking up GSF and following its implementation.

CONCLUSIONS
The GSF is unique for its scale and focus on a particularly challenging aspect of care that requires high level organisational and clinical processes across all hours of the day and week. Between 2003 and 2005, the uptake of the GSF was impressive and the findings from this study provide evidence of the degree of change that occurred following implementation. To what extent change across practices has led to enhanced quality of palliative care, in terms of physical and psychological outcomes for patients and improved carers’ and health professionals’ experience of care, requires further research to elucidate the relationship between GSF-recommended processes and outcomes. Processes, such as palliative care registers and primary care team meetings, may be sophisticated or superficial, but it is the way that they are used that is likely to determine their influence on the quality of care received by patients. This suggests a need for developing more sensitive measures of
quality, both for primary palliative care as well as for other long-term conditions where the need for strong process in the context of effective organisational relationships is likely to be fundamental to achieving quality care. 21 22

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A national facilitation project to improve primary palliative care: impact of the Gold Standards Framework on process and self-ratings of quality

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