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"Lines in the sand" - An Australian qualitative study of patient group practices to promote independence from pharmaceutical industry funders

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“Lines in the sand” – An Australian qualitative study of patient group practices to promote independence from pharmaceutical industry funders

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26
27 **Abstract**
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30 *Objectives*
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32 To study how patient groups that accept pharmaceutical industry money perceive and
33 manage the risk of undue influence from their sponsors.
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40 *Design*
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42 Empirical ethics approach using a qualitative interview study.
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47 *Setting*
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49 The Australian patient group sector.
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54 *Participants*
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27 participants from 23 patient groups, purposively recruited for diversity of group characteristics (degree of pharmaceutical industry funding, health focus, location) and participant role (staff, board members).

Analysis

Interview data was transcribed and read repeatedly to identify concepts and patterns in the data. These were grouped into conceptual categories that described and explained the findings. We used an inductive analytic approach to identify important themes and concepts in the data.

Results

Participants in this study described how the patient group sector receives pressure from pharmaceutical company funders to act in ways that prioritise company interests. Groups worked to try and protect their credibility and ability to act in ways of their own choosing using practical rules or “lines in the sand” about industry funding activities. They were grouped around the dominant topics of: sponsor exclusivity, brand marketing, agenda setting, advocacy and content of group activities. Lines in the sand were largely experience-driven and ethically informed; they varied between groups. There was also variable transparency amongst groups about financial interactions with pharmaceutical companies.

Conclusions

It is important to know about patient group practices around pharmaceutical industry funders as this allows public scrutiny about the adequacy of such practices. Inadequate strategies may mean that funders can influence patient groups activities in ways that do not

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necessarily prioritise the interests of members. We found that groups differed in their approach, with little independent external guidance to inform responses to commonly-encountered types of influence. Inadequate transparency limits the ability of the public to make informed assessments about the risk of bias over the activities of groups that accept industry funding.

Article summary: strengths and limitations of this study

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- Some patient group personnel feel at risk of influence from pharmaceutical industry funders
 - There is variation in practice around how patient groups act to reduce the risk of real or perceived influence from pharmaceutical industry funders and some practices fall short of what others would regard as necessary safeguards
 - There is a lack of independent guidance to support groups working to protect against undue influence from industry funders
 - Inadequate transparency limits the ability of the public to make informed assessments about the risk of bias over the activities of groups that accept industry funding
 - This study was limited to the Australian setting; groups in other jurisdictions may have different levels of regulation or guidance

Introduction

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Patient groups are important stakeholders in the health sector. Their roles include supporting patients, educating their members and health professionals, contributing to guideline development, funding medical research, and advocating in relation to health services including affordable access to drugs. Patient groups commonly receive money from

the pharmaceutical industry. For example, a Finnish study showed that 71% of 55 surveyed groups received pharmaceutical company money¹ and a recent study of 104 wealthy US patient groups showed that 83% received funding from drug, device and biotechnology companies.²

There is concern that acceptance of pharmaceutical industry money might compromise the independence of patient groups.³ In this paper we draw on Jonathan Marks' analysis of public-private partnerships to explore financial interactions between patient groups and the pharmaceutical industry.⁴ We draw on his broad conception of independence, to mean patient group judgements, decisions, actions and beliefs that prioritise the interests of group members and the wider patient community, rather than the interests of commercial sponsors. While patient groups and the pharmaceutical industry may share interests in matters such as ready access to therapeutically useful drugs, there may be divergence between the interests of the two sectors in other important topics such as use of drugs that have poor side effect profiles, questionable therapeutic benefit and unreasonable cost.^{2 5 6} Several studies have shown an association between industry funding and patient groups' positions on health and policy issues.⁷⁻¹¹ For example, patient groups in the US that advocated to maintain ready public access to opioids were more likely to be funded by opioid manufacturers than groups that advocated for restricted access.⁷ This is part of the increasingly recognised link between industry sponsorship of healthcare stakeholders and outcomes that favour the sponsor's interests,¹² a pattern that is being repeated across clinical practice,^{13 14} medical education,^{15 16} guideline development¹⁷ and medical research.¹⁸ There is urgency about identifying and managing financial conflicts of interests in the health sector in order to protect the public's interests, including their health.

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Interactions between the pharmaceutical industry and patient groups may fall under the jurisdiction of self-regulatory codes of practice. Pharmaceutical trade associations around the world have codes of practice regulating member company relationships with the health sector, including with patient groups.^{19 20} These codes vary slightly depending on the jurisdiction - for example, codes in Europe, the UK and Australia require member companies to publicly disclose funding to patient groups, but this is not the case in the United States.²¹ Not all pharmaceutical companies are members of their local trade organisation and therefore not all companies are not bound by these self-regulatory codes. In addition, umbrella organisations that provide support and resources to patient groups may also have codes of practice that offer guidance on relationships with pharmaceutical company funders, often co-authored with the industry.^{22 23}

There is a paucity of empirical research on how patient groups think about the possible impact of pharmaceutical industry sponsorship on their group’s independence and how they act to protect their independence. Limited data suggest that at least some groups that accept pharmaceutical company money perceive a threat to their independence,^{1 24-27} and that some, but not all groups, adopt strategies such as transparency around funding, and formal conflict of interest policies.^{24 27-31} There is a lack of comprehensive, up-to-date information about other practices that patient groups may adopt to protect themselves against industry influence. We have previously written about the nature of patient group interactions with the pharmaceutical industry, describing a range of different attitudes and experiences articulated by people in patient group leadership roles.²⁶ This paper sharpens our focus on the patient group – pharmaceutical company nexus, looking very particularly at

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the practical, day-to-day management of sponsor influence. This information is important for public scrutiny of current industry and group practices, and to allow groups to learn from each other when striving for best practice.

The impetus for the study was previously identified ethical concerns about pharmaceutical industry funding of patient groups.^(for example ^{3 32}) We undertook an empirical study to explore these concerns and to stimulate and inform conversations about how best to maintain patient group independence from the pharmaceutical industry into the future. Our research questions were:

- What are the views of people working in patient groups about the risk of harm to their independence from accepting pharmaceutical industry money?
- What practices and policies are currently in use by patient groups to mitigate these risks?

Methods

Design

We adopted an empirical ethics approach,³³ drawing on an emerging methodological discipline that combines empirical study with ethics theory to explore and comment on a matter of ethical importance. This approach assumes that empirical data and theoretical reflection can each inform the other to enable deep engagement with, and guidance for, a complex ethical topic.³⁴ Using this approach, we designed an empirical study to identify what was happening in relation to our general topic of interest (pharmaceutical industry funding of patient groups). We used our knowledge of theoretical and applied ethics, drawing particularly on Marks' conceptions of independence and integrity⁴ to inform our

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research questions, specific lines of inquiry and analysis. Ultimately, we intended our findings about what *is* happening to inform our recommendations and contribute towards public discussion on the ethical question of what *should be* happening. For the empirical component of the work we used qualitative research methods, which are well-suited to exploring social ideas and behaviours such as perceptions about risk and practices around managing conflicts of interest.³⁵ We conducted individual interviews, with sampling, recruitment and data collection methods that were suited to our research questions.^{36 37 38}

Our research team academic experts in industry influence in health (LB, QG, LP, AF, BM), health professionals (QG in nursing, and LP and AF in medicine), and experienced qualitative researchers (QG, LP). Our diverse experience and expertise enabled us to view and analyse the data from many different perspectives. We report our methods in keeping with the COREQ guideline.³⁹ The study was approved by The University of Sydney Human Research Ethics Committee (project number 2017/758).

Participant population

We conducted one-on-one interviews with key people working in patient groups who were familiar with their group’s experiences and policies around funding and interactions with the pharmaceutical industry. We used the Australian patient group sector as a geographic case study for two reasons. First, we had access to information about pharmaceutical industry funding of patient groups, since Medicines Australia, the trade organisation for Australia’s pharmaceutical industry, requires all its members to adhere to a Code of Conduct that states companies must publicly disclose their spending on patient groups;^{40 41} Second, Australia has a well-established patient group sector, similar to that in other developed

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countries such as the UK, the United States, Canada and throughout Europe.²¹ Some groups in Australia focus on specific health conditions and others focus more broadly on health service delivery for current or future patients ('health consumers') and their communities.

We constructed a non-exhaustive list of Australian patient groups using several sources.

First, we extracted a list of the 230 Australian patient groups that had received pharmaceutical industry funding between 2013-2016, drawn from a database that our research group has previously created. This database collates the publicly available information about pharmaceutical company spending on patient groups, as required for all Medicines Australia members.^{40 41} The database is freely accessible at <http://dx.doi.org/10.25910/5bc67fed51798> Second, we included all seven of the peak national and regional (state and territory) patient group organisations, which are focused on general health service matters. Third, we accessed the 58 patient groups listed as members on the website of the peak national patient group organisation, Consumers Health Forum (<https://chf.org.au/our-members>) on 15 November 2017 and searched for organisations not included in our database of industry funded groups. We also followed up suggestions from previous participants (snowball sampling) and searched via Google for groups linked to those previously identified (e.g. groups with similar disease focus but serving different regions). We checked for signs of pharmaceutical industry funding on groups' websites.

Sampling and recruitment

We sampled purposively, aiming for participants with a range of experiences around industry funding. We reasoned that participant experiences were likely to be associated with overall levels of pharmaceutical company interest in contacting, funding and

interacting with patient groups. We also considered that pharmaceutical interest and therefore participant experience might be associated with patient group focus, particularly in relation to specific diseases or pathological processes for which there may or may not be new products currently under patent, and the perceived reach or influence of the group (e.g. local vs national jurisdiction.) As such we sought to recruit participants from groups with differing characteristics across a range of variables such as: level of pharmaceutical industry funding, group focus (specific disease, general health service matters), type of disease, type of pathological process, jurisdiction (local, national). We also aimed to speak with participants holding experience interacting with pharmaceutical industry funders or developing and implementing organisational policy on pharmaceutical industry funding. As such we sought out both senior staff members and Board members.

We contacted 55 potential participants from 49 patient groups by email using details available in the public domain. Recruitment, data collection and analysis were conducted iteratively so that each could inform the other. Recruitment evolved as the study progressed to ensure diversity of participant characteristics and data.

Data collection

LP conducted semi-structured interviews with participants, explaining her research interest in how health sector workers think about and manage industry influence, and professional experience as a medical clinician. She asked about participants’ views and experiences with industry funding and how possible conflicts of interest were managed during their role in the current group (see **Supplementary file 1**) The interviews were conducted at a time and location suitable for the participant, face to face or over the phone. There was no observable difference in the quality of the data from phone interviews,^{42 43} and using this

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method enabled us to include participants from outside of the local area. All participants gave informed consent. The interviews were recorded, professionally transcribed and de-identified. Pseudonyms are used in this paper to protect participant confidentiality.

Analysis

Our analysis was informed by our prior reading of the literature on patient group interactions with the pharmaceutical industry and the theoretical concepts explored by Marks, particularly 'institutional independence'.⁴ We used widely practiced qualitative research methods involving field notes, coding and writing memos about emerging topics of interest.³⁵ LP wrote field notes after each interview that captured contextual information, initial impressions and reflexive thoughts. All transcripts and field notes were imported into NVivo software. LP read the field notes and early transcripts multiple times and developed an initial coding scheme generated from background knowledge on industry relationships with patient groups, theoretical ethics concepts and the emerging data. The coding scheme was used on selected transcripts (chosen for their conceptual interest and variety) by all members of the research team. Interpretations were compared at a team meeting and informed an updated coding scheme, which LP then applied to all transcripts (see **Supplementary file 2**). The team read and coded the same selected manuscripts from remaining interviews (again chosen for conceptual interest and variety) and exchanged ideas at fortnightly meetings. Selected codes were translated and expanded on by LP into memos that included theoretical reflection on ethical concepts. For example, in memos on independence we sought to compare and contrast how groups discussed and enacted limits to acceptable practice. Memos were cross-checked against the raw data to ensure accuracy of reporting and analytic interpretation.

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Patient and public involvement

One member of the research team (BM) has had extensive involvement with women’s health groups and consumer groups generally. She is a current member of Health Action International. We also co-convened a patient group stakeholder meeting in conjunction with one national and one state health consumer organisation in March 2020, to discuss and build on our research work.^{44 45}

Results

We approached 55 people from 50 group. 36 were from industry-funded groups and 19 from groups without industry funding. LLP interviewed 27 people (19 women, eight men) from 23 groups, including 17/36 (47.2%) people approached from industry funded groups and 10/19 (52.6%) of people approached from groups without industry funding. The reasons for not interviewing 28 people included: non-response to recruiting email (19) or follow-up emails (four), refusal (four) and email-send failure (one). Overall, two thirds of participants were from industry funded groups, most of which were focused on specific health conditions, either with national or regional jurisdiction. (See **Table 1** for details) The interviews were conducted between October 2017 and October 2018; they lasted 25-95 minutes (average 60 minutes). We continued sampling until we were confident that we had spoken with a wide range of participants and were no longer hearing new information about patient group interactions with pharmaceutical industry funders.⁴⁶

Table 1. Characteristics of invitees, including participants and those invited that did not participate. Values are numbers (percentages) unless stated otherwise²⁶

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	individuals interviewed (n=27)*	individuals invited but not participating (n=28)
INVITEE'S PATIENT GROUP FOCUS		
General health services	6 (22.2)	2 (7.1)
Specific disease or health condition	21 (77.8)	26 (92.9)
Body system of specific health condition	Multisystem 5, musculoskeletal 4, neurological 3, non-specific 3, renal 2, sensorineural 2, dermatological 1, respiratory 1,	haematological 4, endocrine 4, gastrointestinal 4, mental health 3, multisystem 3, neurological 2, women's health 2, sensorineural 2, dermatological 1, non-specific 1 respiratory 1,
Pathological process of specific health condition	Non-specific 6, degenerative 4, cancer 3, genetic 3, infective 2, inflammatory 1, immunological 1, other pathological processes 1	Non-specific 9, cancer 5, inflammatory 4, genetic 5, infective 3
INVITEE'S PATIENT GROUP GEOGRAPHIC JURISDICTION		
National	15 (55.6)	19 (67.8)
Regional†	12 (44.4)	9 (32.1)
LEVEL OF PHARMACEUTICAL INDUSTRY FUNDING (\$AUD)		
Top quartile (103,001£-4,107,981)§	13 (48.1)	15 (53.6)
Mid to lowest quartiles (\$<80 - \$103,000)§	4 (14.8)	4 (14.3)
No pharmaceutical industry funding¶	10 (37.0)	9 (32.1)
PARTICIPANT ROLE IN GROUP		
Staff- CEO (including acting)	19 (70.4)	NA
Staff, other**	4 (14.8)	NA
Board member	4 (14.8)	NA

*the four groups from which two participants were interviewed had the following characteristics: (1): general consumer health focus, regional group, no pharmaceutical industry funding; (2,3): disease specific focus, national group, top-quartile pharmaceutical industry funding; (4) disease specific focus, regional group, mid-quartile funding.

†regional groups are based in specific Australian states or territories and serve members living within those regions; most are affiliated with a national group with the same health focus but have separate funding sources.

££54 300; €€63 600.

§Group's position in list of patient groups that received money from the pharmaceutical industry, as listed in our database of funding disclosed by Medicines Australia members during the years 2013-16 inclusive.

¶Not listed on our database of disclosed pharmaceutical funding of consumer health groups and no obvious declaration of pharmaceutical funding on group website.

**Research manager, secretary, fundraising manager

Undue influence from pharmaceutical industry sponsors

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Participants described how patient groups were pressured to act in ways that aligned with the interests of a pharmaceutical company funder. This meant that groups were not necessarily working towards their own, independently identified priorities. For example, one participant described how her group ended up producing and promoting an information pack at the request of a pharmaceutical company funder. Accepting money for this work meant being engaged in an industry-benefitting activity rather than pursuing the group’s own prioritised goals. It was seen by the participant as being incidental to her group’s core mission and therefore resulting in opportunity costs, “it ...just wasn’t ... the best use of our time.”[Sally, CEO]

Groups also received pressure to act in ways that ran directly counter to their own interests. Participants described how company personnel sought to dictate the content of patient group communications and outputs. For example, one participant spoke about a company trying to control the content of an education seminar her group was running, and another recalled how a company representative had tried to stop a story in a patient group publication she was editing. Participants acknowledged that this kind of behaviour from funders could mean that groups were unable to provide people with independent support and advice, including being unable to inform patients about medications that were not manufactured by their pharmaceutical funders.

Some participants were aware of the power dynamics of the sponsor relationship, describing how budgetary pressures meant it was hard to refuse industry money even if it meant acting in ways they might not have otherwise chosen. In contrast, other participants did not perceive themselves or their group to be at risk of undue influence from

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pharmaceutical funders because, they reasoned, their group's actions could not be of any commercial benefit to the company. For example, participants stated they could not further company interests because they did not perceive their group as having any power to influence drug prescribing or much influence over the government's drug subsidy scheme. Similarly, many participants had no concerns about promoting industry-funded research, because they felt that this was about science without any elements of industry marketing. For example, Denise (Board member) said she saw no issue with accepting money from a company to fund "a particular doctor to go to [her group's conference] and talk about the results of the [company-funded] trial that was close to being finished ... Because, I mean, the results of the trial are the result, you know, like, it's a scientific presentation, it's not a marketing presentation." There was no perception that discussion of industry-funded science research could be used by a company as a marketing exercise. Regardless of their views on the risk of undue influence from pharmaceutical company sponsors, most participants felt that accepting pharmaceutical industry money carried some risk of damage to the public's perception of their group. They were worried that the public might assume their group was working for the benefit of sponsors, rather than as an independent body engaging in support, education and activism for the benefit of patients and carers. Participants took the risk of reputational damage very seriously and always considered this when making decisions about accepting pharmaceutical company money. As Alan (CEO) said, "If we take funding [we think about], 'Does it compromise our credibility?' We guard that very jealously... our credibility is probably our most important asset."

Patient group independence

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3 All participants talked about the importance to their group of being independent from the
4 pharmaceutical industry. For participants, being independent meant the group having total
5 control over their own activities and priorities and not letting funding bodies dictate action
6 or set preferences. For example, Fiona (CEO) spoke about making sure her group was
7
8 “driv[ing] the agenda” rather than being “driven by the corporate action.” Many
9
10 participants also spoke about independence in terms of receiving (or at least being open to
11 receiving) funding from multiple sources, explaining that if their group was willing to accept
12 money from more than one funder then it clearly could not be a mouthpiece for any single
13 sponsor. This explanation was also given to members of the public and pharmaceutical
14 companies that accused a patient group of being “in the pockets” of one (competitor)
15 company: “We contact every single pharmaceutical company ... I want to be very clear ...
16 that everyone has an equal opportunity to partner with us and if they choose not to, that is
17 their own choice.” (Lyn, CEO)
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39 **‘Lines in the sand’ that define limits of acceptable practice**

40 Participants talked about groups preserving their independence by having careful processes
41 around funding decisions and incorporating specific rules that defined the limits of
42 acceptable behaviour. Decisions about funding, including pharmaceutical industry
43 sponsorship, were generally made by group Boards and the CEO. Some groups had formal
44 policies about working with industry that helped to guide decision-making processes. This
45 aimed to promote consistency in outcomes and helped CEOs to act in line with their Boards
46 without necessarily having to take each decision back for wider discussion. Other
47 participants described less formal decision-making processes through group discussions on a
48 case by case basis. Policies and informal decision-making processes were informed by a
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range of sources, most prominently two industry-affiliated resources (the industry trade organisation's Code of Practice⁴⁷ and a document co-badged by industry and a national health consumer body²²) but also one or more of personal philosophies of key staff entrenched in the organisational culture and member views about pharmaceutical industry interactions.

Many participants, both with and without formal policies, alluded to informal rules or "lines in the sand" (Paula, CEO) that defined the group's acceptable decisions and practices on industry funding. Together they represent prominent ethical issues for industry funding around which patient group practices and concerns coalesce. Participants talked about these rules as defining limits of ethical practice, beyond which their group would not step. As such these rules constituted guidance for ethical decision making. They were not necessarily straight-forward: for example, although the lines were generally presented as rigid, as in 'we will do x but not y', participants also described legitimate circumstances whereby y would be acceptable. We identified five dominant topics representing such 'lines in the sand' These were sponsor exclusivity, branded product marketing, agenda setting, advocacy and content of group activities. No participants discussed all five, but most explicitly or implicitly described one or more. We searched for, but did not find, any clear patterns between participant roles or organisational characteristics and their comments on each topic. Within each theme we identified several places where different groups drew their line, such that some groups adopted a wider set of acceptable practice than others (see **Figure 1** and **Table 2**). **Box 1** provides an illustrative case study with additional case studies available in the **Supplementary File**.

Figure 1. Patient group practices to protect against undue influence from pharmaceutical industry sponsors: dominant themes and variation in practice

(see separate file)

Table 2. Patient group practices to protect against undue influence from pharmaceutical industry sponsors: dominant themes and variation in practice

Patient group practices	Example quotes from participants
Sponsor exclusivity	
Will not accept exclusive (single company) sponsorship	"Why would you just work with one company? That's giving out all the wrong messages." Felicity, CEO
Has restrictions on accepting exclusive (single company) sponsorship e.g. only for small projects and/or clear fee for service	"I've got a [big] meeting coming up soon and a couple of companies wanted exclusively me to go to them [for registration and travel funding] and I said, "No, I feel uncomfortable" ... It's better if it's funding from all of them rather than just one ... There's one company that's offered me to go [on] another [short] trip ... I accepted that flight because they want me to do a presentation there ... otherwise normally no." Emily, CEO
Will accept exclusive (single company) sponsorship without restriction	"Now we really have maybe one or two serious [Pharma] companies only... at the moment it's only one actually." Neil, CEO
Brand-marketing	
Will not mention branded products	"When you're talking about any particular drug effect you talk about the generic not the brand." Irene, CEO
Will not mention branded products to the public; will allow company ads for branded products in patient group magazine aimed at primary care practitioners	"We have a policy of not promoting specific brands. We don't promote any products. We have a policy if patients come to us, asking about products, we never actually give advice. We only give advice about general factors or lifestyle ... We do accept in our GP magazines, the advertisement from some companies about their products, but that comes without any endorsement from [our group] and it comes directly from the company so this is fairly transparent." Neil, CEO
Will mention branded products to the public upon request	"We don't mention the brand names in any of our written material [but] people call us and say, 'Oh, what product is that?' And we'll say, 'Well, there's [Branded Product 1], there's also this, there's also that.' So we do – we try to help people without pushing a particular line." Ian, CEO
Agenda setting	
Will not accept funder-initiated projects	"Pharmaceutical funding is a bit of a last resort so we use it where we can't get money to do things that have already been strategically planned out. So if pharma comes to us and says, hey

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	how about this project, that doesn't happen." Gina, Board member
Will accept and consider funder-initiated ideas with restrictions	"I'm also open to pharmaceutical companies coming to me with ideas ... but I'm only interested in partnerships with Pharma if we're there from the outset and if we are the ones who are managing the project." Robyn, CEO
Will always accept and consider funder-initiated ideas	"Sometimes [the projects are] initiated by us...and in some cases it's them contacting us about a specific initiative that ... they've got underway and want us to be involved in." Lyn, CEO
Funder involvement in patient group advocacy	
Will not allow funder to influence group's advocacy	"You can't have a situation where Acme Pharmaceuticals is paying [their PR people] to write [your] media release... that just gets you into trouble ... where someone is drafting a press release for you, then you just get herded." Chris, Board member
May act independently on industry prompts about advocacy	"If a company approaches us that they've got a new drug coming up for the Consumer Commission [drug regulator] then we leak it out to our consumers on the day, 'this is what it is, this is what it does, here's some information about it, if you'd like to make a submission, you know, please do' ... And if we think it's a good thing we do a very brief submission ourselves." Irene, CEO
May co-badge advocacy submissions to government or media with industry funder	"Sometimes a Pharma and if we've got a good relationship with them and they're not- say for example recently one of the [disease a] drugs got PBS listing [for government subsidy] and we were happy to be quoted to say like, the incidence of [disease a] is blah-blah-blah, but not endorsing their drug so, that was fine." Irene, CEO
(reported about others) Funder directly shapes the group's advocacy agenda	"I do know that some health consumer organisations in the past and now, are funded by pharmaceutical companies and then lobby for medications to be listed on the PBS [for government subsidy]. We've never done that, never." Robyn, CEO
Funder influence over content of patient group activities	
Will not allow funder input into content	"We're very deliberate in having an independent editorial with our [patient group] magazine. So Pharma do fund a little bit of that, money goes towards our [magazine] editorial but we make sure that there is no, they don't sit in any of our editorial committees, they don't get a say in what we do or print." Kevin, Board member
Will not allow funder input into content of formal educational event; companies can fund and market products to health professionals at educational fringe	"We offer sponsorship packages [to the pharmaceutical companies for educational events] ... There's two different days that we do, one is for allied health professionals and one is for GPs. The allied health professionals, the pharma companies aren't that interested in because they don't have prescription pads, and the GP seminar days are the one that they have much more interest in ... They come on the day, have a stand, have their information." Sally, CEO
Potential for funder influence over content through medical experts who may themselves accept industry money	"We have ... scrutiny from our medical scientific committee, which is, as I said, 12 people who represent different specialities... they all declare their conflicts of interest" Neil, CEO
Will consider requests from funder to alter content	"We've got [a new booklet] at the moment that we're working on, we developed that in collaboration with some health consumers,

	the health professionals, the health educators ... When we're absolutely happy with it I [will] give it to the [pharmaceutical industry] partner to look at and they will, if they come back with any suggestions they understand that it is at the discretion of [our patient group] if we accept what their suggestions might be." Robyn, CEO
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Box 1. Case study illustrating practices for working with pharmaceutical industry sponsors

Disease-specific patient group, high level of funding from pharmaceutical industry, no formal policy (Irene, CEO)

The patient group that Irene works for has “quite longstanding relationships with many of the pharmaceutical companies built up over a number of years” particularly “to develop patient or primary care resources” such as primary care workshops for GPs and nurses. The group does not have a formal policy about working with industry.

Sponsor exclusivity: The larger educational events tend to be funded by multiple companies, “so if it’s a big event... we combine together so if it’s going to be a \$70,000 project then, we might need two or three of them to come together.” However, the group does allow companies to have exclusive sponsorship if they wish, “we got a big grant from one company for [a new project] so it all depends what they’re interested in and how excited they get about a project.”

Brand marketing: Irene’s group allows sponsoring companies to display “their logo on a [patient group] document” and at the beginning of funded educational events but the speakers don’t mention branded products: “We recognise [funders] at the beginning saying ‘this has been supported by whoever’ but ... we know the rules, we don’t talk about their drug, it’s more the class of the drug. If we’re talking about benefits of a particular drug, we never say the drug that the pharma company makes. It’s all very above board and done properly.”

Agenda setting: Irene’s group takes pharmaceutical company interests into account when deciding on their agenda: “We try and make [our events] educationally based because that’s the sort of thing that [companies are] interested in because obviously it reaches both health professionals and consumers which is probably what [companies] would be interested in.” The group is also willing to discuss pharmaceutical company ideas for particular activities.

Advocacy: The group will consider company requests for joint advocacy. They were happy to be quoted on a company’s media release about a drug that had just received government subsidy noting that “it was something that was out there in the market already, it was a good thing.” They are also happy to pass information on to their members from pharmaceutical companies that had new drugs coming up for government review for approval or subsidy, and encourage members to make supporting submissions. They did not, however, agree to a recent company request for them to endorse a “new drug that’s only in phase two trials at the moment...[because] it was just too much, it didn’t sit right.”

Content: Pharmaceutical companies have no influence over the content of the educational events, which are run by medical specialists, often without any patient group personnel attendance.

Risks and benefits of accepting industry funding

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3 The participant cohort included people affiliated with groups who did not accept
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5 pharmaceutical industry money. These participants considered that any industry funding
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7 would present a risk to their independence. For example, Helen (CEO) explained that this
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9 might mean the group would have to act in ways that the company dictated:
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13 “The minute you introduce Big Pharma or any of the other big multinational players,
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15 there is a threat to your independence or on your ability to take a particular position
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17 because you may have to sing or dance to their tune.”
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20 As such, in order to remove the risk of influence these groups refused any pharmaceutical
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22 company money.
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27 For others, industry funding was not necessarily their preferred option, but a pragmatic
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29 solution to budgetary pressures. For example, Alan (CEO) alluded to the risks of associated
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31 with industry funders, but was willing to accept the money anyway since it was so hard to
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33 find alternative funding sources: “In an ideal world you’d say we’ll fund all this stuff with
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35 having any reference to [pharmaceutical industry] funders, but we don’t work in an ideal
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37 world ... Funding is ... difficult to get.” Funding pressure was a particular issue for groups
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39 focused on lesser-known diseases where other sources of income, such as philanthropy,
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41 government or public donations, were more difficult to obtain. As Emily (CEO) explained,
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43 “it’s very competitive out there. I mean it’s, for a small organisation like us, and people
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45 haven’t heard of the disease before and they don’t care unless it affects them, why would
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47 they worry? You know? It doesn’t affect them.” For many participants, the limited funding
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49 options available to patient groups meant they felt they had to accept the inherent risks
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51 associated with pharmaceutical industry sponsorship in order to stay solvent.
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Transparency

Transparency was described by participants as being an important element of independence, particularly perceived independence. Participants said that being open to members about where money was coming from was a necessary practice and the right thing to do. Dominant reasoning here was that the group should to give due credit to their sponsors and that groups should protect their integrity by being up front about accepting money from companies. None of the participants talked about transparency around funding in the context of assisting members or the public to assess any possible bias from funder influence.

The form and extent of described transparency practices was highly variable. (see **Box 2**) For example only some participants said that their groups actively informed members about financial interactions with the pharmaceutical industry. Other participants explained that their group relied on companies to declare their spending on patient groups, talking about the industry trade organisation’s Code of Practice, which states that member companies must publicly disclose their donations to patient groups.⁴⁷ None of these participants talked about the limitations around these declarations or the lack of transparency around sponsorship from non-member companies.

Some of the more limited forms of transparency that participants talked about meant that it was unlikely group members, let alone the general public, would know about the links between the group and pharmaceutical companies. Some participants acknowledged this: for example, Sally (CEO) stated that her patient group members “probably aren’t aware that we’re connected to [pharmaceutical companies].” However these participants generally felt

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that their members would be in favour of them accepting pharmaceutical industry money, so inadequate transparency practices did not trouble them unduly.

Box 2. Varying transparency practices adopted by patient groups around pharmaceutical industry funding

- **ANNUAL REPORTS:** The patient group's annual report includes information on pharmaceutical industry sponsors, including one or more of: funder name, amount of money, use of money; the annual report may or may not be publicly available to non-members
- **ANNUAL PERSONNEL DECLARATIONS:** The group's personnel (e.g. board members, expert medical advisors) are required to make annual declarations about personal receipt of pharmaceutical industry funds, including one or more of: funder name, amount of money, what services or activities the money was paid for; this information may or may not be publicly available to non-members
- **TIMELY DECLARATIONS:** Receipt of pharmaceutical company funding by group or group personnel is declared at the time of activity or decision-making e.g. at industry sponsored educational events, on industry sponsored information booklets, at committee meetings of staff and expert medical advisors.
- **PUBLIC POLICY:** The patient group's policy around working with pharmaceutical company funders is available on the group's website; this may or may not be publicly available to non-members.
- **ACCESSIBILITY:** The policy and sponsorship details are highly visible, and readily available, with few 'clicks', including to non-members
- **NO TRANSPARENCY DETAIL:** Group does not provide any detail about industry sponsors beyond company names or logos.

A minority of participants discussed the tension between transparency and promotion, realising that their group's public declaration of company funding could deliver promotional marketing for the company. For some, this was deliberate. For example, Tegan (CEO) explicitly promised wide exposure to her pharmaceutical sponsors, "I say that we will put your logo on our programs and on our Facebook page and on our Instagram and our Powerpoint slides on the day, just to let them know that we'll be publicising their company as being a sponsor." Others were concerned that naming of sponsors might be seen by the public as patient group endorsement of company products. That is, while it was widely seen as important to acknowledge industry funding, some participants recognised that this might be perceived as a stamp of approval for the funding company and their relevant products, although that was not the intended message from the patient group.

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Transparency within the company was also discussed by participants. Patient group board and expert committee meetings typically began with a request for attendees to declare any conflicts of interest. It was common for individuals to declare involvement in research and abstain from any related decisions (e.g. around patient group funds being used for that research), but no participant could recall ever hearing board members or experts declare receipt of pharmaceutical company money as a financial conflict of interest when discussing patient group agenda setting or other activities. That is, while it was usual practice for groups to be upfront about receiving company money, either through their own or the funding company’s transparency declarations, it was not front of mind to consider that colleagues or the public would want to know about industry sponsorship of key individuals within the patient group.

Discussion

Statement of principal findings

Participants in this study described how the patient group sector receives pressure from pharmaceutical company funders to act in ways that prioritise company interests over their group’s interests. This places patient groups that accept industry money at risk of losing their independent voice. Participants were variably aware of this risk but acutely aware of public perception of perceived influence. They described how groups worked to try and protect their public credibility and their ability to act in ways of their own choosing rather than to meet the needs of their sponsor. Many industries, including the pharmaceutical industry, use a Code of Conduct approach to outline their expectations for ethical behaviour amongst their members. Using the insights from the discipline of applied ethics in this way we identified participants’ views on the limits of ethically acceptable behaviour. We found

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that there were some dominant ethical topics that participants talked about but there was little consensus around what constituted an acceptable behaviour limit or 'line in the sand'. Some practices fell short of what others would regard as necessary safeguards, suggesting that groups using more lax restrictions were vulnerable to the very real threat of industry influence. Participants also described how the patient group sector saw transparency about financial interactions between patient groups and pharmaceutical companies as important but not necessarily for the reasons discussed in the healthcare literature on commercial influence in health. Transparency was seemingly more about giving due credit to sponsors than about alerting the public to risk of bias or prompting disengagement from industry. Ways of declaring industry funding were variable, sometimes inadequate. In particular there was an over-reliance on industry declarations, which may be hard to find, lacking detail, or absent altogether. There was limited recognition of the importance of transparency around industry funding of key individuals within or advising patient groups. Such practices mean that the public are unable to make informed assessments about the risk of bias over the activities of groups that accept industry funding.

Strengths and limitations of the study

Ours is the first Australian study we are aware of that identifies the broad range of day-to-day practices that patient groups actually use to mitigate against undue actual or perceived influence from pharmaceutical industry funders. It builds on other studies that provide information on practices in different countries.^{1 24} This information is important because it allows public scrutiny and enables identification of best practice. This study was limited to the Australian setting; groups in other jurisdictions may have different levels of regulation or guidance. Nevertheless the results are likely to have global relevance since there is

international evidence that many patient groups accept pharmaceutical industry funding.^{1 2}
11 27 48 Although we spoke with diverse participants affiliated with a range of groups we did
not cover all types of patient groups and did not speak with individual patient advocates
unaffiliated with a patient group so we may have missed some issues or ideas. In addition,
given that those we did interview held senior positions, the participants may have been
experienced in managing the expectations of the public (including interested researchers)
about their group’s relationships and interactions with industry, and delivered information
that supported the concept of an independent patient group sector. However participants
appeared to speak candidly about their experiences and views and we did hear a range of
perspectives about the industry, including positive, negative and unsure, as described in our
previous paper from this study.²⁶

Correlation with existing literature

Our finding that some patient group personnel experience pressure from pharmaceutical
industry funders correlates with results from other studies.^{1 25 26 48} This suggests that at
least some companies use money to seek influence over patient groups in ways that
prioritise commercial over patient group interests. It means the sector is vulnerable to the
kind of high level independence that Marks describes, whereby industry funding generates
overt or subtle reciprocities from patient groups.⁴ Many industries, including the
pharmaceutical industry, use a Code of Conduct approach to outline their expectations for
ethical behaviour amongst their members. Using the insights from the discipline of applied
ethics in this way we describe participants’ views on the limits of ethically acceptable
behaviour. We found that there were some dominant ethical topics that participants talked

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about but there was little consensus around what constituted an acceptable behaviour limit or 'line in the sand'.

The concept 'lines in the sand' describes the kinds of rules that patient groups are using to navigate the challenges of industry funding. The lack of a consistent, independent approach is concerning for the sector. Some patient group personnel feel immune to undue influence from pharmaceutical industry funders, in the same way that health professionals regard themselves as withstanding industry influence. Evidence suggests, however, that people can be unconsciously influenced by even small amounts of money. For example, gifts from pharmaceutical companies can influence clinician prescribing,^{49 50} and drug and device industry funded research is more likely to deliver outcomes that are favourable to the sponsor than research funded by other sources.¹⁸ Patient groups who feel immune to influence because of a perceived lack of power as non-prescribers echo the views of non-prescribing nurses. However nurses are important marketing targets for pharmaceutical companies because of their extensive impact over treatment and purchasing decisions in hospitals,⁵¹ and similarly patient groups can be useful to companies because of their impact on drug use through disease awareness, research and drug advocacy.

Previous studies on how patient groups manage conflicts of interest around pharmaceutical funders have concentrated mainly on transparency around funding and policy. These show that some, but not all, patient groups disclose industry funding^{2 5 10 28 30} and a minority have publicly available conflict of interest policies.^{2 28} Our results corroborate these studies and we also provide detailed information on practices used by some patient groups to reduce the risk of undue influence from pharmaceutical sponsors.

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Implications for policy and practice

Much of the literature around patient group interactions with the pharmaceutical industry discusses the importance of codes of practice authored by industry and/or patient groups, to guide and manage financial relationships. Highlighted issues often include rules around agenda setting, funding diversity and transparency. Our work shows that patient groups are listening to this advice, and many are adopting particular practices around these topics. However, our work also suggests that rules might not always be sufficient protection against the risk of industry influence, since some groups are adopting practices that others are likely to consider inadequate. In addition, promoting a rule-based ‘solution’ for patient group-industry interactions pre-supposes that any perceived ‘problem’ with industry funding in the patient group sector stems from inadequate guidance or regulation. Other ways to frame the problem (and subsequently address the solution) are largely ignored but could include: lack of separation of powers within patient groups (fundraiser, advocate, educator), and lack of alternative funding sources.

Separation of powers has been championed by Rose³² and Marks⁴ who each advocate for maintaining strict separation within patient groups between fundraisers and those who set the agenda, write communications and drive policy. They argue that personnel who build strong relationships with industry funders are more likely to feel the social pressure of reciprocity and may be more favourably predisposed towards company policies and practices. Separating fundraising duties from patient group executive duties may help to ameliorate this possibility. Ideally, groups would also separate out governance duties to a different committee who would monitor practices and evaluate outcomes around

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3 pharmaceutical company interactions.⁵² These ideas challenge the traditional setup of
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5 patient groups, whereby board members and the CEO tend to be responsible for building
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7 and reviewing funder relationships and writing group agendas and policies, and separate
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9 governance committees are non-existent. Rose herself acknowledges that paucity of funds
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11 and staff in many smaller patient groups will make her recommendations difficult to put
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13 into practice, but they remain an important conceptual standard.
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20 Another way of separating policy makers from interactions with pharmaceutical industry
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22 personnel could be to enforce a shared corporate pool of funds⁵ via a tax on industry profits
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24 or based on a percentage of marketing spending.⁵³ This, however, would not address the
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26 underlying issue of agenda distortion that might arise from the patient group sector relying
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28 on a commercial industry with a particular set of priorities around drugs and drug policies.⁴
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32 ²⁶ That is, even if a group has separation of powers as a way to protect against undue
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34 influence from pharmaceutical industry funders, they might still be cognisant of prioritising
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36 activities and advocacy that appeal to future industry funders (e.g. focus on educating
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38 health professionals rather than patients, or on long term structural change) and neglect
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40 those that run directly counter to future industry funders (e.g. drug safety, preventing
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42 overdiagnosis and overtreatment).⁵²
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50 Participants described varying approaches to practices with a clear potential for undue
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52 influence, such as sponsor involvement in shaping advocacy, information materials and
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54 educational content. This was despite Australia's industry Code of Practice²⁰ and the joint
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56 guidance from industry and a health consumer group.²² This may reflect the guidance
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document focus on general principles rather than practical suggestions, and industry involvement in developing codes.

An alternative is complete disengagement from the pharmaceutical industry.³ This would entail recognition of the inadequacy of alternative funding sources, and require increased support from other potential funders such as governments, with an understanding that patient support and a patient voice are important components of national health care services. Disengagement from the industry would build more public surety about patient group sector priorities being patient issues rather than commercial interests.

Unanswered questions and future research

We do not know the best way for patient groups to remove the risk of pharmaceutical industry influence but still receive company money, or if this is even possible. Some groups have taken the bold step of complete independence from pharmaceutical industry funding. Even so, there may be residual industry influence in the sector if groups whose interests naturally align with pharmaceutical companies are preferentially funded and empowered.²⁶ Future developments should not be led by pharmaceutical industry sponsors alone. We recently worked with peak bodies to convene a stakeholder meeting of patient groups to discuss the risks and benefits of accepting pharmaceutical funding, and to share ideas and resources about how best to proceed into the future.^{44 45} This meeting was a step towards addressing the need for independent, sector-wide guidance with resources that support and inform patient group policies and practices to mitigate against pharmaceutical industry funder influence.

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Conclusions

Information about how patient groups protect themselves against undue influence from pharmaceutical industry funders is important because it allows public scrutiny and conversation about the adequacy of such practices. There is insufficient empirical research around which practices are most effective. Inadequate strategies may mean that pharmaceutical funders are influencing patient group activities in ways that do not necessarily prioritise the interests of group members or the wider public. Transparency around patient group acceptance of pharmaceutical industry money remains patchy, hampering the public's knowledge about possible links between industry sponsorship and patient group activity. Industry influence over all the key stakeholders in health care should be explored and contained in order to maintain a health sector that prioritises the public's health.

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Contributorship statement: LP designed the study, collected the data, participated in the analysis and wrote the first and subsequent drafts of the manuscript. AF, QG, BM and LB participated in the design, data analysis and commented on all drafts, including reading and approving the final manuscript. The corresponding author attests that all listed authors meet authorship criteria and that no others meeting the criteria have been omitted. LP is the guarantor.

Transparency: The lead author affirms that the manuscript is an honest, accurate and transparent account of the study being reported.

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Data sharing: The database of publicly declared industry payments to patient groups is available at: <https://researchdata.ands.org.au/pharmaceutical-industry-funding-december-2016/1330638>

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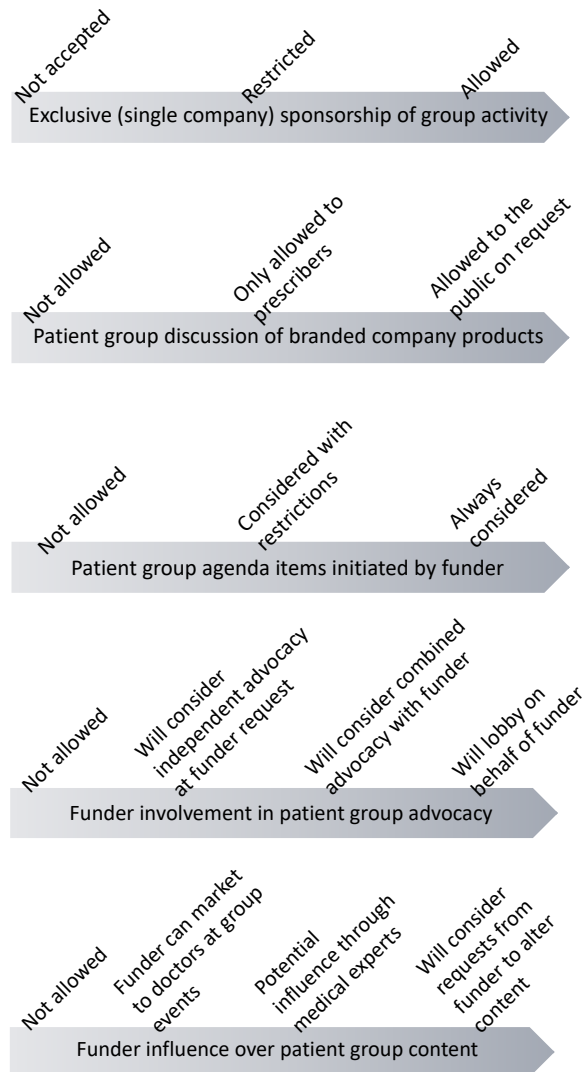
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Figure 1. Patient group practices to protect against undue influence from pharmaceutical industry sponsors: dominant themes and variation in practice



General topics for semi-structured interviews

1. **Contextual information about the group** – eg main focus, aims and scope, main activities, size
2. **Interviewee’s role within the group** – eg staff or volunteer, length of time associated with the group, experience within the group, role and activities
3. **Funding of the group** – eg regular funders, funding activities, previous funding patterns, challenges associated with obtaining funding
4. **Pharmaceutical funding, what happens & how it happens**
 - current and previous pharmaceutical funders
 - mechanics of funding eg how did it start, personnel involved, how is the amount determined
 - type of funding eg donation, payment for advertising
 - other types of pharmaceutical support – eg pharmaceutical personnel on group executive, provision of conference venue, delivery of educational material
5. **Group activities related to pharmaceuticals** eg advertising, distributing information, public advocacy
6. **Pharmaceutical funding, group experiences and policies**
 - eg is there a policy about pharmaceutical funding
 - is there any discussion within the group about pharmaceutical funding
 - any differences of opinion?
 - is there any (real or perceived) pressure to conform to the interests of industry?
 - is there any pestering by industry reps or others about funding or contributing to the group in others ways?

Coding tree

Participant details - previous occupation/experience; role (CEO/director, other staff, Board)

Group details - location (local, national); focus (disease specific, health services); funding sources; involvement of pharma in group's foundation

Interactions with pharmaceutical industry – how many companies; who initiates; relationships and who has power; what events are funded (what kinds, frequency); what other benefits or resources are provided by industry; what group gives to industry; companies overstepping the mark

What companies wants – views on why pharma is sponsoring you

Rules – personal or group rules on what you would / would not accept pharma funding for; Medicines Australia code of conduct

Reasons – why your group accepts pharma sponsorship; why your group doesn't accept pharma sponsorship; why it might be different for other groups; responding to critics; in an ideal world would you accept pharma funding? (why/why not)

Independence – trust; perceived independence / brand; transparency

Supplementary File

Case studies illustrating practices for working with pharmaceutical industry sponsors

Disease specific patient group, mid-range funding from pharmaceutical industry, formal policy (Sally)

The patient group that Sally works for accepts money from pharmaceutical companies, “predominantly for ... education events for ... GPs [General Practitioners, primary care doctors].” The group recently adopted a formal policy about working with pharmaceutical funders.

Sponsor exclusivity: The group tends to have multiple pharmaceutical companies sponsoring their large GP events, but will accept solo sponsorship for smaller events, “so last year we [went to a rural town] and we took a [specialist] in [to speak to the GPs] and we were sponsored by [one pharmaceutical company] to do that, which was great.”

Brand marketing: Sally’s group allows pharmaceutical sponsors to provide branded product marketing information to health professionals who attend educational events, “[Pharmaceutical reps] come on the day, have a stand, have their information.” The group does not allow companies to promote their branded products to the public: “[Members of the public] don’t come to an event where there’s a stand and there’s a pharmaceutical rep present.”

Agenda setting: The group works hard to prevent pharmaceutical company sponsors having undue influence over its agenda and according to Sally the new policy was adopted with that intention: “We’ve put a policy in place last year, that I got the board to approve saying ... we won’t do anything that we weren’t planning on doing in the first place just because a pharmaceutical company has asked us to.” Sally explained why she drafted this policy: “I was just concerned with the pharmaceutical companies that the direction of what we were doing might be influenced too much, so it was just a clarification from my part to say, ‘That’s not what we’re here for, we’re not going to be mouthpieces for anybody, we’re allowed to push our agenda.’ ... I think, if you don’t have policies in place early on to make it really clear what you will and won’t accept, then it makes it really difficult to say no.” As a result of this new policy, Sally said she has more easily been able to reject pharmaceutical company initiated project ideas: “One of the pharmaceutical companies - recently I was talking to them about sponsorship for [an education project] which they weren’t interested in, but they did say they would be interested if we could send them out to talk to GPs about this specific disease, which is obviously the one that they’ve got the specific medication for ... This policy is great because it’s now very clear what we can and can’t accept ... I can say quite clearly, ‘Well, no, that wasn’t our intention, so we can’t accept that sponsorship, but if you want to make it a general sponsorship, then we can talk about it.’ So it just makes it easier from my point of view, it stops any time wasting or confusion ... if it sits within [the policy], we accept it and if it doesn’t, then we don’t, we don’t have to think about it every single time.”

In general, Sally prefers non-pharmaceutical corporate sponsors because she thinks it is more obvious that the purposes of non-pharmaceutical sponsorship are marketing, “it’s very transparent ... [For example] an electrician company and they wanted to have our logo on the back of their trucks because it made people think they were nicer than the other electrical companies.” In contrast, Sally thinks that pharmaceutical company sponsorship of patient groups is often presented as being non-promotional and she thinks this is misleading: “No matter how much they say they’re not there to sell their product, obviously clearly they are.”

Disease-specific patient group, high level of funding from pharmaceutical industry, formal policy (Paula)

The patient group that Paula works for accepts industry money for big programs of activities and for small individual projects: “the industry support really allows us to develop patient resources, [primary care] training, advocacy and awareness across different disease areas.” The group has a formal “working with industry” policy, available on their website, which provides “agreed guidelines for working together ... It just is a way for us to articulate for new staff coming in or for new industry partners about what the relationship should be.”

Sponsor exclusivity: The group accepts exclusive sponsorship but only for small projects: “We have no [big] program area that has one sponsor and that’s one of our lines in the sand. For individual projects, I can’t tell you we’ve never done it, I think we did a [small activity] that was supported by one particular company ... but we would always aim to work with more than one company.”

Brand marketing: The group allows sponsoring companies to advertise to health professionals and sees this as part of transparency around funding. They sometimes put patients in direct contact with pharmaceutical companies to facilitate industry staff knowledge of the patient perspective: “Often [companies will] come to us and say ‘We’re training our sales group’ and ... [ask us to] approach a patient to go and speak to the staff of the company.”

Agenda setting: Paula’s group provides opportunities for existing pharmaceutical company sponsors to suggest activities and will consider each idea on its merits according to whether or not it fits with the group’s strategic plans: “Once we are in a partnership with a company, they may well come to us and say, ‘We had an idea for something and we’d like to partner with you on this.’” Representatives from sponsoring companies are also invited to the group’s annual agenda planning meeting: “They’ll get to come in, raise issues.”

Advocacy: The group is willing to consider pharmaceutical company requests for patient group advocacy in support of the company’s application for government subsidy of its products. They might accept company advice on disease awareness campaigns: “They have great suggestions in terms of how we market ourselves, how we raise awareness.” However, the group will not automatically accept a company’s ideas or requests for advocacy if they are not part of the group’s “overall strategy” and the group is guided by the principle that “everything goes through the patient lens and through the evidence lens.” Paula notes, “We certainly have been in a situation where we have not been able to [advocate in] support applications of industry partners for [government] reimbursement for particular treatments if the evidence isn’t there.”

Content: Sponsoring companies have “no involvement in the program or who the speakers” are” at educational events. The group’s clinical guidelines are authored by medical experts. Paula stated, “I know that the chair of our guideline committee has no links with industry but we don’t have a policy for the members. It’s probably a good idea actually.”

COREQ (CONsolidated criteria for REporting Qualitative research) Checklist

A checklist of items that should be included in reports of qualitative research. You must report the page number in your manuscript where you consider each of the items listed in this checklist. If you have not included this information, either revise your manuscript accordingly before submitting or note N/A.

Topic	Item No.	Guide Questions/Description	Reported on Page No.
Domain 1: Research team and reflexivity			
Personal characteristics			
Interviewer/facilitator	1	Which author/s conducted the interview or focus group?	
Credentials	2	What were the researcher's credentials? E.g. PhD, MD	
Occupation	3	What was their occupation at the time of the study?	
Gender	4	Was the researcher male or female?	
Experience and training	5	What experience or training did the researcher have?	
Relationship with participants			
Relationship established	6	Was a relationship established prior to study commencement?	
Participant knowledge of the interviewer	7	What did the participants know about the researcher? e.g. personal goals, reasons for doing the research	
Interviewer characteristics	8	What characteristics were reported about the inter viewer/facilitator? e.g. Bias, assumptions, reasons and interests in the research topic	
Domain 2: Study design			
Theoretical framework			
Methodological orientation and Theory	9	What methodological orientation was stated to underpin the study? e.g. grounded theory, discourse analysis, ethnography, phenomenology, content analysis	
Participant selection			
Sampling	10	How were participants selected? e.g. purposive, convenience, consecutive, snowball	
Method of approach	11	How were participants approached? e.g. face-to-face, telephone, mail, email	
Sample size	12	How many participants were in the study?	
Non-participation	13	How many people refused to participate or dropped out? Reasons?	
Setting			
Setting of data collection	14	Where was the data collected? e.g. home, clinic, workplace	
Presence of non-participants	15	Was anyone else present besides the participants and researchers?	
Description of sample	16	What are the important characteristics of the sample? e.g. demographic data, date	
Data collection			
Interview guide	17	Were questions, prompts, guides provided by the authors? Was it pilot tested?	
Repeat interviews	18	Were repeat inter views carried out? If yes, how many?	
Audio/visual recording	19	Did the research use audio or visual recording to collect the data?	
Field notes	20	Were field notes made during and/or after the inter view or focus group?	
Duration	21	What was the duration of the inter views or focus group?	
Data saturation	22	Was data saturation discussed?	
Transcripts returned	23	Were transcripts returned to participants for comment and/or	

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Topic	Item No.	Guide Questions/Description	Reported on Page No.
		correction?	
Domain 3: analysis and findings			
<i>Data analysis</i>			
Number of data coders	24	How many data coders coded the data?	
Description of the coding tree	25	Did authors provide a description of the coding tree?	
Derivation of themes	26	Were themes identified in advance or derived from the data?	
Software	27	What software, if applicable, was used to manage the data?	
Participant checking	28	Did participants provide feedback on the findings?	
<i>Reporting</i>			
Quotations presented	29	Were participant quotations presented to illustrate the themes/findings? Was each quotation identified? e.g. participant number	
Data and findings consistent	30	Was there consistency between the data presented and the findings?	
Clarity of major themes	31	Were major themes clearly presented in the findings?	
Clarity of minor themes	32	Is there a description of diverse cases or discussion of minor themes?	

Developed from: Tong A, Sainsbury P, Craig J. Consolidated criteria for reporting qualitative research (COREQ): a 32-item checklist for interviews and focus groups. *International Journal for Quality in Health Care*. 2007. Volume 19, Number 6: pp. 349 – 357

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“Lines in the sand” – An Australian qualitative study of patient group practices to promote independence from pharmaceutical industry funders

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Abstract

Objectives

To study how patient groups that accept pharmaceutical industry money perceive and manage the risk of undue influence from their sponsors.

Design

Empirical ethics approach using a qualitative interview study.

Setting

The Australian patient group sector.

Participants

27 participants from 23 patient groups, purposively recruited for diversity of group characteristics (degree of pharmaceutical industry funding, health focus, location) and participant role (staff, board members).

Analysis

Interview data was transcribed and read repeatedly to identify concepts and patterns in the data. These were grouped into conceptual categories that described and explained the findings. We used an inductive analytic approach to identify important themes and concepts in the data.

Results

Participants in this study described how the patient group sector receives pressure from pharmaceutical company funders to act in ways that prioritise company interests. Groups worked to try and protect their credibility and ability to act in ways of their own choosing using practical rules or “lines in the sand” about industry funding activities. They were grouped around the dominant topics of: sponsor exclusivity, brand marketing, agenda setting, advocacy and content of group activities. Lines in the sand were largely experience-driven and ethically informed; they varied between groups. There was also variable transparency amongst groups about financial interactions with pharmaceutical companies.

Conclusions

It is important to know about patient group practices around pharmaceutical industry funders as this allows public scrutiny about the adequacy of such practices. Inadequate strategies may mean that funders can influence patient groups activities in ways that do not

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84 necessarily prioritise the interests of members. We found that groups differed in their
85 approach, with little independent external guidance to inform responses to commonly-
86 encountered types of influence. Inadequate transparency limits the ability of the public to
87 make informed assessments about the risk of bias over the activities of groups that accept
88 industry funding.

90 Strengths and limitations of this study

- 91 • This interview study draws on comprehensive data from patient groups with diverse
92 industry funding experiences, disease focus and jurisdiction
- 93 • This is the first empirical study to focus on how patient groups manage risks to
94 independence
- 95 • The study was limited to the Australian setting
- 96 • We spoke to staff and board members from patient groups but did not speak to
97 individual patient advocates
- 98 • Participants may have spoken selectively about their group’s interactions with the
99 pharmaceutical industry in a way that supported the concept of an independent
100 patient group sector

102 Introduction

103 Patient groups are important stakeholders in the health sector. Their roles include
104 supporting patients, educating their members and health professionals, contributing to
105 guideline development, funding medical research, and advocating in relation to health
106 services including affordable access to drugs.¹⁻⁴ Patient groups commonly receive money

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from the pharmaceutical industry. For example, a Finnish study showed that 71% of 55 surveyed groups received pharmaceutical company money⁵ and a recent study of 104 wealthy US patient groups showed that 83% received funding from drug, device and biotechnology companies.⁶

There is concern that acceptance of pharmaceutical industry money might compromise the independence of patient groups.⁷ This is important because a compromised patient group voice might end up furthering industry interests rather than those of their membership, for example by selectively providing advice and lobbying for services and products that are also in sponsors' interests, and remaining silent on issues such as medication safety or high prices. In this paper we draw on Jonathan Marks' analysis of public-private partnerships to explore financial interactions between patient groups and the pharmaceutical industry.⁸ We draw on his broad conception of independence, to mean patient group judgements, decisions, actions and beliefs that prioritise the interests of group members and the wider patient community, rather than the interests of commercial sponsors. While patient groups and the pharmaceutical industry may share interests in matters such as ready access to therapeutically useful drugs, there may be divergence between the interests of the two sectors in other important topics such as use of drugs that have poor side effect profiles, questionable therapeutic benefit and unreasonable cost.^{6 9 10} Several studies have shown an association between industry funding and patient groups' positions on health and policy issues.¹¹⁻¹⁵ For example, patient groups in the US that advocated to maintain ready public access to opioids were more likely to be funded by opioid manufacturers than groups that advocated for restricted access.¹¹ This is part of the increasingly recognised link between industry sponsorship of healthcare stakeholders and outcomes that favour the sponsor's

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interests,¹⁶ a pattern that is being repeated across clinical practice,^{17 18} medical education,¹⁹
20 guideline development²¹ and medical research.²² There is urgency about identifying and
managing financial conflicts of interests in the health sector in order to protect the public's
interests, including their health.

Interactions between the pharmaceutical industry and patient groups may fall under the
jurisdiction of self-regulatory codes of practice. Pharmaceutical trade associations around
the world have codes of practice regulating member company relationships with the health
sector, including with patient groups.^{23 24} These codes vary slightly depending on the
jurisdiction - for example, codes in Europe, the UK and Australia require member companies
to publicly disclose funding to patient groups, but this is not the case in the United States.²⁵
Not all pharmaceutical companies are members of their local trade organisation and
therefore not all companies are not bound by these self-regulatory codes. In addition,
umbrella organisations that provide support and resources to patient groups may also have
codes of practice that offer guidance on relationships with pharmaceutical company
funders, often co-authored with the industry.^{26 27}

There is a paucity of empirical research on how patient groups think about the possible
impact of pharmaceutical industry sponsorship on their group's independence and how they
act to protect their independence. Limited data suggest that at least some groups that
accept pharmaceutical company money perceive a threat to their independence,^{5 28-31} and
that some, but not all groups, adopt strategies such as transparency around funding, and
formal conflict of interest policies.^{1 4 28 31-33} There is a lack of comprehensive, up-to-date
information about other practices that patient groups may adopt to protect themselves

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155 against industry influence. We have previously written about the nature of patient group
156 interactions with the pharmaceutical industry, describing a range of different attitudes and
157 experiences articulated by people in patient group leadership roles.³⁰ This paper sharpens
158 our focus on the patient group – pharmaceutical company nexus, looking very particularly at
159 the practical, day-to-day management of sponsor influence. This information is important
160 for public scrutiny of current industry and group practices, and to allow groups to learn from
161 each other when striving for best practice.

162
163 The impetus for the study was previously identified ethical concerns about pharmaceutical
164 industry funding of patient groups.(for example ^{7 34}) We undertook an empirical study to
165 explore these concerns and to stimulate and inform conversations about how best to
166 maintain patient group independence from the pharmaceutical industry into the future. Our
167 research questions were:

- 168 • What are the views of people working in patient groups about the risk of harm to
169 their independence from accepting pharmaceutical industry money?
- 170 • What practices and policies are currently in use by patient groups to mitigate these
171 risks?

172 Methods

173 Design

174 We adopted an empirical ethics approach,³⁵ drawing on an emerging methodological
175 discipline that combines empirical study with ethics theory to explore and comment on a
176 matter of ethical importance. This approach assumes that empirical data and theoretical
177 reflection can each inform the other to enable deep engagement with, and guidance for, a

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178 complex ethical topic.³⁶ Using this approach, we designed an empirical study to identify
179 what was happening in relation to our general topic of interest (pharmaceutical industry
180 funding of patient groups). We used our knowledge of theoretical and applied ethics,
181 drawing particularly on Marks’ conceptions of independence and integrity⁸ to inform our
182 research questions, specific lines of inquiry and analysis. Ultimately, we intended our
183 findings about what *is* happening to inform our recommendations and contribute towards
184 public discussion on the ethical question of what *should be* happening. For the empirical
185 component of the work we used qualitative research methods, which are well-suited to
186 exploring social ideas and behaviours such as perceptions about risk and practices around
187 managing conflicts of interest.³⁷ We conducted individual interviews, with sampling,
188 recruitment and data collection methods that were suited to our research questions.^{38 39 40}
189
190 Our research team academic experts in industry influence in health (LB, QG, LP, AF, BM),
191 health professionals (QG in nursing, and LP and AF in medicine), and experienced qualitative
192 researchers (QG, LP). Our diverse experience and expertise enabled us to view and analyse
193 the data from many different perspectives. We report our methods in keeping with the
194 COREQ guideline.⁴¹ The study was approved by The University of Sydney Human Research
195 Ethics Committee (project number 2017/758).

197 **Participant population**

198 We conducted one-on-one interviews with key people working in patient groups who were
199 familiar with their group’s experiences and policies around funding and interactions with
200 the pharmaceutical industry. We used the Australian patient group sector as a geographic
201 case study for two reasons. First, we had access to information about pharmaceutical

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industry funding of patient groups, since Medicines Australia, the trade organisation for Australia's pharmaceutical industry, requires all its members to adhere to a Code of Conduct that states companies must publicly disclose their spending on patient groups;^{42 43} Second, Australia has a well-established patient group sector, similar to that in other developed countries such as the UK, the United States, Canada and throughout Europe.²⁵ Some groups in Australia focus on specific health conditions and others focus more broadly on health service delivery for current or future patients ('health consumers') and their communities.

We constructed a non-exhaustive list of Australian patient groups using several sources. First, we extracted a list of the 230 Australian patient groups that had received pharmaceutical industry funding between 2013-2016, drawn from a database that our research group has previously created. This database collates the publicly available information about pharmaceutical company spending on patient groups, as required for all Medicines Australia members.^{42 43} The database is freely accessible at <http://dx.doi.org/10.25910/5bc67fed51798> Second, we included all seven of the peak national and regional (state and territory) patient group organisations, which are focused on general health service matters. Third, we accessed the 53 patient groups listed as members on the website of the peak national patient group organisation, Consumers Health Forum (<https://chf.org.au/our-members>) on 15 November 2017 and searched for organisations not already identified through our other methods. This provided an additional 21 groups (running total 258). We also followed up suggestions from previous participants (snowball sampling) and searched via Google for groups linked to those previously identified (e.g. groups with similar disease focus but serving different regions). When considering recruitment from those groups that did not appear on the database we checked for

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evidence of pharmaceutical industry funding on groups’ websites (e.g. pharmaceutical logos, sponsorship lists, annual financial reports).

Sampling and recruitment

We sampled purposively, aiming for participants with a range of experiences around industry funding. We reasoned that participant experiences were likely to be associated with overall levels of pharmaceutical company interest in contacting, funding and interacting with patient groups. We also considered that pharmaceutical interest and therefore participant experience might be associated with patient group focus, particularly in relation to specific diseases or pathological processes for which there may or may not be new products currently under patent, and the perceived reach or influence of the group (e.g. local vs national jurisdiction.) As such we sought to recruit participants from groups with differing characteristics across a range of variables such as: level of pharmaceutical industry funding, group focus (specific disease, general health service matters), jurisdiction (local, national). We also aimed to recruit from patient groups focusing on different types of disease and body system and different pathological processes (see **Supplementary File 1**). This was because we knew from clinical experience that new medications tended to coalesce around particular illnesses and/or pathophysiological processes. As such, we reasoned that some types of groups might be more likely than others to receive overtures from pharmaceutical companies with new drugs to market. We wanted to hear from groups representing current marketing opportunities for industry and also those that weren’t. We drew up a rough list of body systems and pathological processes (see **Supplementary File 1**) and tried to ensure that our final participant group included a reasonable spread across both lists. We also aimed to speak with participants holding experience interacting with

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pharmaceutical industry funders or developing and implementing organisational policy on pharmaceutical industry funding. As such we sought out both senior staff members and Board members.

We began by targeting a few patient groups across a range of characteristics including disease/pathological process and funding status. Our first recruitment email went out to just four groups. As data collection proceeded, we focused on recruiting from patient groups with characteristics that we had not previously managed to recruit from and for participants with different roles. Our recruitment emails were sent directly to the CEOs and/or Board Presidents if those contact details were publicly available, or if not, to the generic email address of our target patient groups.

We contacted 55 potential participants from 49 patient groups by email using details available in the public domain. Recruitment, data collection and analysis were conducted iteratively so that each could inform the other. Recruitment evolved as the study progressed to ensure diversity of participant characteristics and data.

Data collection

LP conducted semi-structured interviews with participants, explaining her research interest in how health sector workers think about and manage industry influence, and professional experience as a medical clinician. She asked about participants' views and experiences with industry funding and how possible conflicts of interest were managed during their role in the current group (see **Supplementary file 2**) The interviews were conducted at a time and location suitable for the participant, face to face or over the phone. There was no

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observable difference in the quality of the data from phone interviews,^{44 45} and using this method enabled us to include participants from outside of the local area. All participants gave informed consent. The interviews were recorded, professionally transcribed and de-identified. Pseudonyms are used in this paper to protect participant confidentiality.

Analysis

Our analysis was informed by our prior reading of the literature on patient group interactions with the pharmaceutical industry and the theoretical concepts explored by Marks, particularly ‘institutional independence’.⁸ We used widely practiced qualitative research methods involving field notes, coding and writing memos about emerging topics of interest.³⁷ LP wrote field notes after each interview that captured contextual information, initial impressions and reflexive thoughts. All transcripts and field notes were imported into NVivo software. LP read the field notes and early transcripts multiple times and developed an initial coding scheme generated from background knowledge on industry relationships with patient groups, theoretical ethics concepts and the emerging data. The coding scheme was used on selected transcripts (chosen for their conceptual interest and variety) by all members of the research team. Interpretations were compared at a team meeting and informed an updated coding scheme, which LP then applied to all transcripts (see **Supplementary file 3**). The team read and coded the same selected manuscripts from remaining interviews (again chosen for conceptual interest and variety) and exchanged ideas at fortnightly meetings. Selected codes were translated and expanded on by LP into memos that included theoretical reflection on ethical concepts. For example, in memos on independence we sought to compare and contrast how groups discussed and enacted limits

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to acceptable practice. Memos were cross-checked against the raw data to ensure accuracy of reporting and analytic interpretation.

Patient and public involvement

One member of the research team (BM) has had extensive involvement with women's health groups and consumer groups generally. She is a current member of Health Action International. We also co-convened a patient group stakeholder meeting in conjunction with one national and one state health consumer organisation in March 2020, to discuss and build on our research work.^{46 47}

Results

We sent 55 recruitment requests to individuals and generic email addresses associated with 50 different groups. 36 were from industry-funded groups and 19 from groups without industry funding. LP interviewed 27 people (19 women, eight men) from 23 groups, including 17/36 (47.2%) people approached from industry funded groups and 10/19 (52.6%) of people approached from groups without industry funding. The reasons for not interviewing 28 people included: non-response to recruiting email (19) or follow-up emails (four), refusal (four) and email-send failure (one). We had more recruiting success from individualised emails than from generic emails: 7/10 (70%) emails to targeted staff members and 4/7 (57%) targeted Board members resulted in interviews compared with 15/38 (39%) generic patient group emails. Overall, two thirds of participants were from industry funded groups, most of which were focused on specific health conditions, either with national or regional jurisdiction. (See **Table 1** for details) The interviews were conducted between October 2017 and October 2018; they lasted 25-95 minutes (average 60 minutes). We

continued sampling until we were confident that we had spoken with a wide range of participants and were no longer hearing new information about patient group interactions with pharmaceutical industry funders.⁴⁸

Table 1. Characteristics of invitees, including participants and those invited that did not participate. Values are numbers (percentages) unless stated otherwise³⁰

	individuals interviewed (n=27)*	individuals invited but not participating (n=28)
INVITEE'S PATIENT GROUP FOCUS		
General health services	6 (22.2)	2 (7.1)
Specific disease or health condition	21 (77.8)	26 (92.9)
Body system of specific health condition	Multisystem 5, musculoskeletal 4, neurological 3, non-specific 3, renal 2, sensorineural 2, dermatological 1, respiratory 1,	haematological 4, endocrine 4, gastrointestinal 4, mental health 3, multisystem 3, neurological 2, women's health 2, sensorineural 2, dermatological 1, non-specific 1 respiratory 1,
Pathological process of specific health condition	Non-specific 6, degenerative 4, cancer 3, genetic 3, infective 2, inflammatory 1, immunological 1, other pathological processes 1	Non-specific 9, cancer 5, inflammatory 4, genetic 5, infective 3
INVITEE'S PATIENT GROUP GEOGRAPHIC JURISDICTION		
National	15 (55.6)	19 (67.8)
Regional†	12 (44.4)	9 (32.1)
LEVEL OF PHARMACEUTICAL INDUSTRY FUNDING (\$AUD)		
Top quartile (103,001\$-4,107,981)\$	13 (48.1)	15 (53.6)
Mid to lowest quartiles (\$<80 - \$103,000)\$	4 (14.8)	4 (14.3)
No pharmaceutical industry funding¶	10 (37.0)	9 (32.1)
PARTICIPANT ROLE IN GROUP		
Staff- CEO (including acting)	19 (70.4)	NA
Staff, other**	4 (14.8)	NA
Board member	4 (14.8)	NA

*the four groups from which two participants were interviewed had the following characteristics: (1): general consumer health focus, regional group, no pharmaceutical industry funding; (2,3): disease specific focus,

national group, top-quartile pharmaceutical industry funding; (4) disease specific focus, regional group, mid-quartile funding.

†regional groups are based in specific Australian states or territories and serve members living within those regions; most are affiliated with a national group with the same health focus but have separate funding sources.

‡£54 300; €63 600.

§Group's position in list of patient groups that received money from the pharmaceutical industry, as listed in our database of funding disclosed by Medicines Australia members during the years 2013-16 inclusive.

¶Not listed on our database of disclosed pharmaceutical funding of consumer health groups and no obvious declaration of pharmaceutical funding on group website.

**Research manager, secretary, fundraising manager

Participants talked about receiving pressure from the pharmaceutical industry to act in particular ways. They described strategies to maintain their independence, including paying attention to issues of: sponsor exclusivity, brand marketing, agenda setting, advocacy partnerships and content of patient group communications and events. We identified variation between patient groups in where they drew the line between acceptable and unacceptable practices relating to these topics. We also identified variation in patient group practices and policies around transparency of pharmaceutical industry sponsorship. We discuss all of these matters in more detail below.

Undue influence from pharmaceutical industry sponsors

Participants described how patient groups were pressured to act in ways that aligned with the interests of a pharmaceutical company funder. This meant that groups were not necessarily working towards their own, independently identified priorities. For example, one participant described how her group ended up producing and promoting an information pack at the request of a pharmaceutical company funder. Accepting money for this work meant being engaged in an industry-benefitting activity rather than pursuing the group's own prioritised goals. It was seen by the participant as being incidental to her group's core

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3 359 mission and therefore resulting in opportunity costs, “it ...just wasn’t ... the best use of our
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6 360 time.”[Sally, CEO]
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10 362 Groups also received pressure to act in ways that ran directly counter to their own interests.
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13 363 Participants described how company personnel sought to dictate the content of patient
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15 364 group communications and outputs. For example, one participant spoke about a company
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18 365 trying to control the content of an education seminar her group was running, and another
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20 366 recalled how a company representative had tried to stop a story in a patient group
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23 367 publication she was editing. Participants acknowledged that this kind of behaviour from
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25 368 funders could mean that groups were unable to provide people with independent support
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28 369 and advice, including being unable to inform patients about medications that were not
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30 370 manufactured by their pharmaceutical funders.
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35 372 Some participants were aware of the power dynamics of the sponsor relationship,
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37 373 describing how budgetary pressures meant it was hard to refuse industry money even if it
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40 374 meant acting in ways they might not have otherwise chosen. In contrast, other participants
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42 375 did not perceive themselves or their group to be at risk of undue influence from
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45 376 pharmaceutical funders because, they reasoned, their group’s actions could not be of any
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47 377 commercial benefit to the company. For example, participants stated they could not further
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50 378 company interests because they did not perceive their group as having any power to
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52 379 influence drug prescribing or much influence over the government’s drug subsidy scheme.
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54 380 Similarly, many participants had no concerns about promoting industry-funded research,
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57 381 because they felt that this was about science without any elements of industry marketing.
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59 382 For example, Denise (Board member) said she saw no issue with accepting money from a
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383 company to fund “a particular doctor to go to [her group’s conference] and talk about the
384 results of the [company-funded] trial that was close to being finished ... Because, I mean, the
385 results of the trial are the result, you know, like, it's a scientific presentation, it's not a
386 marketing presentation.” There was no perception that discussion of industry-funded
387 science research could be used by a company as a marketing exercise.

388 Regardless of their views on the risk of undue influence from pharmaceutical company
389 sponsors, most participants felt that accepting pharmaceutical industry money carried some
390 risk of damage to the public’s perception of their group. They were worried that the public
391 might assume their group was working for the benefit of sponsors, rather than as an
392 independent body engaging in support, education and activism for the benefit of patients
393 and carers. Participants took the risk of reputational damage very seriously and always
394 considered this when making decisions about accepting pharmaceutical company money. As
395 Alan (CEO) said, “If we take funding [we think about], ‘Does it compromise our credibility?’
396 We guard that very jealously... our credibility is probably our most important asset.”

397

398 **Patient group independence**

399 All participants talked about the importance to their group of being independent from the
400 pharmaceutical industry. For participants, being independent meant the group having total
401 control over their own activities and priorities and not letting funding bodies dictate action
402 or set preferences. For example, Fiona (CEO) spoke about making sure her group was
403 “driv[ing] the agenda” rather than being “driven by the corporate action.” Many
404 participants also spoke about independence in terms of receiving (or at least being open to
405 receiving) funding from multiple sources, explaining that if their group was willing to accept
406 money from more than one funder then it clearly could not be a mouthpiece for any single

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407 sponsor. This explanation was also given to members of the public and pharmaceutical
408 companies that accused a patient group of being “in the pockets” of one (competitor)
409 company: “We contact every single pharmaceutical company ... I want to be very clear ...
410 that everyone has an equal opportunity to partner with us and if they choose not to, that is
411 their own choice.” (Lyn, CEO)

412
‘Lines in the sand’ that define limits of acceptable practice

414 Participants talked about groups preserving their independence by having careful processes
415 around funding decisions and incorporating specific rules that defined the limits of
416 acceptable behaviour. Decisions about funding, including pharmaceutical industry
417 sponsorship, were generally made by group Boards and the CEO. Some groups had formal
418 policies about working with industry that helped to guide decision-making processes. This
419 aimed to promote consistency in outcomes and helped CEOs to act in line with their Boards
420 without necessarily having to take each decision back for wider discussion. Other
421 participants described less formal decision-making processes through group discussions on a
422 case by case basis. Policies and informal decision-making processes were informed by a
423 range of sources, most prominently two industry-affiliated resources (the industry trade
424 organisation’s Code of Practice⁴⁹ and a document co-badged by industry and a national
425 health consumer body²⁶) but also one or more of personal philosophies of key staff
426 entrenched in the organisational culture and member views about pharmaceutical industry
427 interactions.

428
429 Many participants, both with and without formal policies, alluded to informal rules or “lines
430 in the sand” (Paula, CEO) that defined the group’s acceptable decisions and practices on

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industry funding. Together they represent prominent ethical issues for industry funding around which patient group practices and concerns coalesce. Participants talked about these rules as defining limits of ethical practice, beyond which their group would not step. As such these rules constituted guidance for ethical decision making. They were not necessarily straight-forward: for example, although the lines were generally presented as rigid, as in 'we will do x but not y', participants also described legitimate circumstances whereby y would be acceptable. We identified five dominant topics representing such 'lines in the sand' These were sponsor exclusivity, branded product marketing, agenda setting, advocacy and content of group activities. No participants discussed all five, but most explicitly or implicitly described one or more. We searched for, but did not find, any clear patterns between participant roles or organisational characteristics and their comments on each topic. Within each theme we identified several places where different groups drew their line, such that some groups adopted a wider set of acceptable practice than others (see **Figure 1** and **Table 2**). **Box 1** provides an illustrative case study with additional case studies available in **Supplementary File 4**.

Figure 1. Patient group practices to protect against undue influence from pharmaceutical industry sponsors: dominant themes and variation in practice
 (see separate file)

Table 2. Patient group practices to protect against undue influence from pharmaceutical industry sponsors: dominant themes and variation in practice

Patient group practices	Example quotes from participants
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Sponsor exclusivity	
Will not accept exclusive (single company) sponsorship	"Why would you just work with one company? That's giving out all the wrong messages." Felicity, CEO
Has restrictions on accepting exclusive (single company) sponsorship e.g. only for small projects and/or clear fee for service	"I've got a [big] meeting coming up soon and a couple of companies wanted exclusively me to go to them [for registration and travel funding] and I said, "No, I feel uncomfortable" ... It's better if it's funding from all of them rather than just one ... There's one company that's offered me to go [on] another [short] trip ... I accepted that flight because they want me to do a presentation there ... otherwise normally no." Emily, CEO
Will accept exclusive (single company) sponsorship without restriction	"Now we really have maybe one or two serious [Pharma] companies only... at the moment it's only one actually." Neil, CEO
Brand-marketing	
Will not mention branded products	"When you're talking about any particular drug effect you talk about the generic not the brand." Irene, CEO
Will not mention branded products to the public; will allow company ads for branded products in patient group magazine aimed at primary care practitioners	"We have a policy of not promoting specific brands. We don't promote any products. We have a policy if patients come to us, asking about products, we never actually give advice. We only give advice about general factors or lifestyle ... We do accept in our GP magazines, the advertisement from some companies about their products, but that comes without any endorsement from [our group] and it comes directly from the company so this is fairly transparent." Neil, CEO
Will mention branded products to the public upon request	"We don't mention the brand names in any of our written material [but] people call us and say, 'Oh, what product is that?' And we'll say, 'Well, there's [Branded Product 1], there's also this, there's also that.' So we do – we try to help people without pushing a particular line." Ian, CEO
Agenda setting	
Will not accept funder-initiated projects	"Pharmaceutical funding is a bit of a last resort so we use it where we can't get money to do things that have already been strategically planned out. So if pharma comes to us and says, hey how about this project, that doesn't happen." Gina, Board member
Will accept and consider funder-initiated ideas with restrictions	"I'm also open to pharmaceutical companies coming to me with ideas ... but I'm only interested in partnerships with Pharma if we're there from the outset and if we are the ones who are managing the project." Robyn, CEO
Will always accept and consider funder-initiated ideas	"Sometimes [the projects are] initiated by us...and in some cases it's them contacting us about a specific initiative that ... they've got underway and want us to be involved in." Lyn, CEO
Funder involvement in patient group advocacy	
Will not allow funder to influence group's advocacy	"You can't have a situation where Acme Pharmaceuticals is paying [their PR people] to write [your] media release... that just gets you into trouble ... where someone is drafting a press release for you, then you just get herded." Chris, Board member
May act independently on industry prompts about advocacy	"If a company approaches us that they've got a new drug coming up for the Consumer Commission [drug regulator] then we leak it out to our consumers on the day, 'this is what it is, this is what it

	does, here's some information about it, if you'd like to make a submission, you know, please do' ... And if we think it's a good thing we do a very brief submission ourselves." Irene, CEO
May co-badge advocacy submissions to government or media with industry funder	"Sometimes a Pharma and if we've got a good relationship with them and they're not- say for example recently one of the [disease a] drugs got PBS listing [for government subsidy] and we were happy to be quoted to say like, the incidence of [disease a] is blah-blah-blah, but not endorsing their drug so, that was fine." Irene, CEO
(reported about others) Funder directly shapes the group's advocacy agenda	"I do know that some health consumer organisations in the past and now, are funded by pharmaceutical companies and then lobby for medications to be listed on the PBS [for government subsidy]. We've never done that, never." Robyn, CEO
Funder influence over content of patient group activities	
Will not allow funder input into content	"We're very deliberate in having an independent editorial with our [patient group] magazine. So Pharma do fund a little bit of that, money goes towards our [magazine] editorial but we make sure that there is no, they don't sit in any of our editorial committees, they don't get a say in what we do or print." Kevin, Board member
Will not allow funder input into content of formal educational event; companies can fund and market products to health professionals at educational fringe	"We offer sponsorship packages [to the pharmaceutical companies for educational events] ... There's two different days that we do, one is for allied health professionals and one is for GPs. The allied health professionals, the pharma companies aren't that interested in because they don't have prescription pads, and the GP seminar days are the one that they have much more interest in ... They come on the day, have a stand, have their information." Sally, CEO
Potential for funder influence over content through medical experts who may themselves accept industry money	"We have ... scrutiny from our medical scientific committee, which is, as I said, 12 people who represent different specialities... they all declare their conflicts of interest" Neil, CEO
Will consider requests from funder to alter content	"We've got [a new booklet] at the moment that we're working on, we developed that in collaboration with some health consumers, the health professionals, the health educators ... When we're absolutely happy with it I [will] give it to the [pharmaceutical industry] partner to look at and they will, if they come back with any suggestions they understand that it is at the discretion of [our patient group] if we accept what their suggestions might be." Robyn, CEO

Box 1. Case study illustrating practices for working with pharmaceutical industry sponsors

Disease-specific patient group, high level of funding from pharmaceutical industry, no formal policy (Irene, CEO)

The patient group that Irene works for has "quite longstanding relationships with many of the pharmaceutical companies built up over a number of years" particularly "to develop patient or primary care resources" such as primary care workshops for GPs and nurses. The group does not have a formal policy about working with industry.

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Sponsor exclusivity: The larger educational events tend to be funded by multiple companies, “so if it’s a big event... we combine together so if it’s going to be a \$70,000 project then, we might need two or three of them to come together.” However, the group does allow companies to have exclusive sponsorship if they wish, “we got a big grant from one company for [a new project] so it all depends what they’re interested in and how excited they get about a project.”

Brand marketing: Irene’s group allows sponsoring companies to display “their logo on a [patient group] document” and at the beginning of funded educational events but the speakers don’t mention branded products: “We recognise [funders] at the beginning saying ‘this has been supported by whoever’ but ... we know the rules, we don’t talk about their drug, it’s more the class of the drug. If we’re talking about benefits of a particular drug, we never say the drug that the pharma company makes. It’s all very above board and done properly.”

Agenda setting: Irene’s group takes pharmaceutical company interests into account when deciding on their agenda: “We try and make [our events] educationally based because that’s the sort of thing that [companies are] interested in because obviously it reaches both health professionals and consumers which is probably what [companies] would be interested in.” The group is also willing to discuss pharmaceutical company ideas for particular activities.

Advocacy: The group will consider company requests for joint advocacy. They were happy to be quoted on a company’s media release about a drug that had just received government subsidy noting that “it was something that was out there in the market already, it was a good thing.” They are also happy to pass information on to their members from pharmaceutical companies that had new drugs coming up for government review for approval or subsidy, and encourage members to make supporting submissions. They did not, however, agree to a recent company request for them to endorse a “new drug that’s only in phase two trials at the moment...[because] it was just too much, it didn’t sit right.”

Content: Pharmaceutical companies have no influence over the content of the educational events, which are run by medical specialists, often without any patient group personnel attendance.

Risks and benefits of accepting industry funding

The participant cohort included people affiliated with groups that did not accept pharmaceutical industry money. These participants considered that any industry funding would present a risk to their independence. For example, Helen (CEO) explained that this might mean the group would have to act in ways that the company dictated:

“The minute you introduce Big Pharma or any of the other big multinational players, there is a threat to your independence or on your ability to take a particular position because you may have to sing or dance to their tune.”

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502 As such, in order to remove the risk of influence these groups refused any pharmaceutical
503 company money.

504

505 For others, industry funding was not necessarily their preferred option, but a pragmatic
506 solution to budgetary pressures. For example, Alan (CEO) alluded to the risks of associated
507 with industry funders, but was willing to accept the money anyway since it was so hard to
508 find alternative funding sources: "In an ideal world you'd say we'll fund all this stuff with
509 having any reference to [pharmaceutical industry] funders, but we don't work in an ideal
510 world ... Funding is ... difficult to get." Funding pressure was a particular issue for groups
511 focused on lesser-known diseases where other sources of income, such as philanthropy,
512 government or public donations, were more difficult to obtain. As Emily (CEO) explained,
513 "it's very competitive out there. I mean it's, for a small organisation like us, and people
514 haven't heard of the disease before and they don't care unless it affects them, why would
515 they worry? You know? It doesn't affect them." For many participants, the limited funding
516 options available to patient groups meant they felt they had to accept the inherent risks
517 associated with pharmaceutical industry sponsorship in order to stay solvent.

518

519 **Transparency**

520 Transparency was described by participants as being an important element of
521 independence, particularly perceived independence. Participants said that being open to
522 members about where money was coming from was a necessary practice and the right thing
523 to do. Dominant reasoning here was that the group should to give due credit to their
524 sponsors and that groups should protect their integrity by being up front about accepting
525 money from companies. None of the participants talked about transparency around funding

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3 526 in the context of assisting members or the public to assess any possible bias from funder
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6 527 influence. We did not discern any particular patterns among the patient group
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8 528 characteristics (funding status, disease/pathological process, geographic jurisdiction) and
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10 529 whether the organisation had transparency policies or practices in place.
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15 531 The form and extent of described transparency practices was highly variable. (see **Box 2**)
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17 532 For example only some participants said that their groups actively informed members about
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19 533 financial interactions with the pharmaceutical industry. Other participants explained that
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21 534 their group relied on companies to declare their spending on patient groups, talking about
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23 535 the industry trade organisation’s Code of Practice, which stated that member companies
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25 536 must publicly disclose their donations to patient groups.⁴⁹ None of these participants talked
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27 537 about the limitations around these declarations or the lack of transparency around
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29 538 sponsorship from non-member companies.
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35 540 Some of the more limited forms of transparency that participants talked about meant that it
36
37 541 was unlikely group members, let alone the general public, would know about the links
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39 542 between the group and pharmaceutical companies. Some participants acknowledged this:
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41 543 for example, Sally (CEO) stated that her patient group members “probably aren’t aware that
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43 544 we’re connected to [pharmaceutical companies].” However these participants generally felt
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45 545 that their members would be in favour of them accepting pharmaceutical industry money,
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47 546 so inadequate transparency practices did not trouble them unduly.
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54 547 **Box 2. Varying transparency practices adopted by patient groups around pharmaceutical**
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57 548 **industry funding**
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- ANNUAL REPORTS: The patient group's annual report includes information on pharmaceutical industry sponsors, including one or more of: funder name, amount of money, use of money; the annual report may or may not be publicly available to non-members
- ANNUAL PERSONNEL DECLARATIONS: The group's personnel (e.g. board members, expert medical advisors) are required to make annual declarations about personal receipt of pharmaceutical industry funds, including one or more of: funder name, amount of money, what services or activities the money was paid for; this information may or may not be publicly available to non-members
- TIMELY DECLARATIONS: Receipt of pharmaceutical company funding by group or group personnel is declared at the time of activity or decision-making e.g. at industry sponsored educational events, on industry sponsored information booklets, at committee meetings of staff and expert medical advisors.
- PUBLIC POLICY: The patient group's policy around working with pharmaceutical company funders is available on the group's website; this may or may not be publicly available to non-members.
- ACCESSIBILITY: The policy and sponsorship details are highly visible, and readily available, with few 'clicks', including to non-members
- NO TRANSPARENCY DETAIL: Group does not provide any detail about industry sponsors beyond company names or logos.

A minority of participants discussed the tension between transparency and promotion, realising that their group's public declaration of company funding could deliver promotional marketing for the company. For some, this was deliberate. For example, Tegan (CEO) explicitly promised wide exposure to her pharmaceutical sponsors, "I say that we will put your logo on our programs and on our Facebook page and on our Instagram and our Powerpoint slides on the day, just to let them know that we'll be publicising their company as being a sponsor." Others were concerned that naming of sponsors might be seen by the public as patient group endorsement of company products. That is, while it was widely seen as important to acknowledge industry funding, some participants recognised that this might be perceived as a stamp of approval for the funding company and their relevant products, although that was not the intended message from the patient group.

Transparency within the company was also discussed by participants. Patient group board and expert committee meetings typically began with a request for attendees to declare any conflicts of interest. It was common for individuals to declare involvement in research and

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3 583 abstain from any related decisions (e.g. around patient group funds being used for that
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6 584 research), but no participant could recall ever hearing board members or experts declare
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8 585 receipt of pharmaceutical company money as a financial conflict of interest when discussing
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10 586 patient group agenda setting or other activities. That is, while it was usual practice for
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13 587 groups to be upfront about receiving company money, either through their own or the
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15 588 funding company’s transparency declarations, it was not front of mind to consider that
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18 589 colleagues or the public would want to know about industry sponsorship of key individuals
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20 590 within the patient group.
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23 591 **Discussion**

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25 592 **Statement of principal findings**

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28 593 Participants in this study described how the patient group sector receives pressure from
29
30 594 pharmaceutical company funders to act in ways that prioritise company interests over their
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32 595 group’s interests. This places patient groups that accept industry money at risk of losing
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34 596 their independent voice. Participants were variably aware of this risk but acutely aware of
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37 597 public perception of perceived influence. They described how groups worked to try and
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40 598 protect their public credibility and their ability to act in ways of their own choosing rather
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42 599 than to meet the needs of their sponsor. Many industries, including the pharmaceutical
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45 600 industry, use a Code of Conduct approach to outline their expectations for ethical behaviour
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47 601 amongst their members. Using the insights from the discipline of applied ethics in this way
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50 602 we identified participants’ views on the limits of ethically acceptable behaviour. We found
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52 603 that there were some dominant ethical topics that participants talked about but there was
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54 604 little consensus around what constituted an acceptable behaviour limit or ‘line in the sand’.
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57 605 Some practices fell short of what others would regard as necessary safeguards, suggesting
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59 606 that groups using more lax restrictions were vulnerable to the very real threat of industry
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influence. Participants also described how the patient group sector saw transparency about financial interactions between patient groups and pharmaceutical companies as important but not necessarily for the reasons discussed in the healthcare literature on commercial influence in health. Transparency was seemingly more about giving due credit to sponsors than about alerting the public to risk of bias or prompting disengagement from industry. Ways of declaring industry funding were variable, sometimes inadequate. In particular there was an over-reliance on industry declarations, which may be hard to find, lacking detail, or absent altogether. There was limited recognition of the importance of transparency around industry funding of key individuals within or advising patient groups. Such practices mean that the public are unable to make informed assessments about the risk of bias over the activities of groups that accept industry funding.

Strengths and limitations of the study

Ours is the first Australian study we are aware of that identifies the broad range of day-to-day practices that patient groups actually use to mitigate against undue actual or perceived influence from pharmaceutical industry funders. It builds on other studies that provide information on practices in different countries.^{5 28} This information is important because it allows public scrutiny and enables identification of best practice. This study was limited to the Australian setting; groups in other jurisdictions may have different levels of regulation or guidance. Nevertheless the results are likely to have global relevance since there is international evidence that many patient groups accept pharmaceutical industry funding.^{5 6} ^{15 31 50} Although we spoke with diverse participants affiliated with a range of groups we did not cover all types of patient groups and did not speak with individual patient advocates unaffiliated with a patient group so we may have missed some issues or ideas. In addition,

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631 given that those we did interview held senior positions, the participants may have been
632 experienced in managing the expectations of the public (including interested researchers)
633 about their group’s relationships and interactions with industry, and delivered information
634 that supported the concept of an independent patient group sector. However participants
635 appeared to speak candidly about their experiences and views and we did hear a range of
636 perspectives about the industry, including positive, negative and unsure, as described in our
637 previous paper from this study.³⁰

638
639 **Correlation with existing literature**

640 Our finding that some patient group personnel experience pressure from pharmaceutical
641 industry funders correlates with results from other studies.^{5 29 30 50} This suggests that at
642 least some companies use money to seek influence over patient groups in ways that
643 prioritise commercial over patient group interests. It means the sector is vulnerable to the
644 kind of high level independence that Marks describes, whereby industry funding generates
645 overt or subtle reciprocities from patient groups.⁸ Many industries, including the
646 pharmaceutical industry, use a Code of Conduct approach to outline their expectations for
647 ethical behaviour amongst their members. Using the insights from the discipline of applied
648 ethics in this way we describe participants’ views on the limits of ethically acceptable
649 behaviour. We found that there were some dominant ethical topics that participants talked
650 about but there was little consensus around what constituted an acceptable behaviour limit
651 or ‘line in the sand’.

652

653 The concept ‘lines in the sand’ describes the kinds of rules that patient groups are using to
654 navigate the challenges of industry funding. The lack of a consistent, independent approach

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is concerning for the sector. Some patient group personnel feel immune to undue influence from pharmaceutical industry funders, in the same way that health professionals regard themselves as withstanding industry influence. Evidence suggests, however, that people can be unconsciously influenced by even small amounts of money. For example, gifts from pharmaceutical companies can influence clinician prescribing,^{51 52} and drug and device industry funded research is more likely to deliver outcomes that are favourable to the sponsor than research funded by other sources.²² Patient groups who feel immune to influence because of a perceived lack of power as non-prescribers echo the views of non-prescribing nurses. However nurses are important marketing targets for pharmaceutical companies because of their extensive impact over treatment and purchasing decisions in hospitals,⁵³ and similarly patient groups can be useful to companies because of their impact on drug use through disease awareness, research and drug advocacy.

667

Previous studies on how patient groups manage conflicts of interest around pharmaceutical funders have concentrated mainly on transparency around funding and policy. These show that some, but not all, patient groups disclose industry funding^{6 9 14 32 33} and a minority have publicly available conflict of interest policies.^{6 32} Our results corroborate these studies and we also provide detailed information on practices used by some patient groups to reduce the risk of undue influence from pharmaceutical sponsors.

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675 **Implications for policy and practice**

Much of the literature around patient group interactions with the pharmaceutical industry discusses the importance of codes of practice authored by industry and/or patient groups, to guide and manage financial relationships. Highlighted issues often include rules around

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679 agenda setting, funding diversity and transparency. Our work shows that patient groups are
680 listening to this advice, and many are adopting particular practices around these topics.
681 However, our work also suggests that rules might not always be sufficient protection against
682 the risk of industry influence, since some groups are adopting practices that others are likely
683 to consider inadequate. In addition, promoting a rule-based ‘solution’ for patient group-
684 industry interactions pre-supposes that any perceived ‘problem’ with industry funding in the
685 patient group sector stems from inadequate guidance or regulation. Other ways to frame
686 the problem (and subsequently address the solution) are largely ignored but could include:
687 lack of separation of powers within patient groups (fundraiser, advocate, educator), and
688 lack of alternative funding sources.
689
690 Separation of powers has been championed by Rose³⁴ and Marks⁸ who each advocate for
691 maintaining strict separation within patient groups between fundraisers and those who set
692 the agenda, write communications and drive policy. They argue that personnel who build
693 strong relationships with industry funders are more likely to feel the social pressure of
694 reciprocity and may be more favourably predisposed towards company policies and
695 practices. Separating fundraising duties from patient group executive duties may help to
696 ameliorate this possibility. Ideally, groups would also separate out governance duties to a
697 different committee who would monitor practices and evaluate outcomes around
698 pharmaceutical company interactions.⁵⁴ These ideas challenge the traditional setup of
699 patient groups, whereby board members and the CEO tend to be responsible for building
700 and reviewing funder relationships and writing group agendas and policies, and separate
701 governance committees are non-existent. Rose herself acknowledges that paucity of funds

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702 and staff in many smaller patient groups will make her recommendations difficult to put
703 into practice, but they remain an important conceptual standard.

704

705 Another way of separating policy makers from interactions with pharmaceutical industry
706 personnel could be to enforce a shared corporate pool of funds⁹ via a tax on industry profits
707 or based on a percentage of marketing spending.⁵⁵ This, however, would not address the
708 underlying issue of agenda distortion that might arise from the patient group sector relying
709 on a commercial industry with a particular set of priorities around drugs and drug policies.⁸

710 ³⁰ That is, even if a group has separation of powers as a way to protect against undue
711 influence from pharmaceutical industry funders, they might still be cognisant of prioritising
712 activities and advocacy that appeal to future industry funders (e.g. focus on educating
713 health professionals rather than patients, or on long term structural change) and neglect
714 those that run directly counter to future industry funders (e.g. drug safety, preventing
715 overdiagnosis and overtreatment).⁵⁴

716

717 Participants described varying approaches to practices with a clear potential for undue
718 influence, such as sponsor involvement in shaping advocacy, information materials and
719 educational content. This was despite Australia's industry Code of Practice^{24 49} and the joint
720 guidance from industry and a health consumer group.²⁶ This may reflect the guidance
721 document focus on general principles rather than practical suggestions, and industry
722 involvement in developing codes.

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724 An alternative is complete disengagement from the pharmaceutical industry.⁷ This would
725 entail recognition of the inadequacy of alternative funding sources, and require increased

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support from other potential funders such as governments, with an understanding that patient support and a patient voice are important components of national health care services. Disengagement from the industry would build more public surety about patient group sector priorities being patient issues rather than commercial interests.

Unanswered questions and future research

We do not know the best way for patient groups to remove the risk of pharmaceutical industry influence but still receive company money, or if this is even possible. Some groups have taken the bold step of complete independence from pharmaceutical industry funding. Even so, there may be residual industry influence in the sector if groups whose interests naturally align with pharmaceutical companies are preferentially funded and empowered.³⁰ Future developments should not be led by pharmaceutical industry sponsors alone. We recently worked with peak bodies to convene a stakeholder meeting of patient groups to discuss the risks and benefits of accepting pharmaceutical funding, and to share ideas and resources about how best to proceed into the future.^{46 47} This meeting was a step towards addressing the need for independent, sector-wide guidance with resources that support and inform patient group policies and practices to mitigate against pharmaceutical industry funder influence.

Conclusions

Information about how patient groups protect themselves against undue influence from pharmaceutical industry funders is important because it allows public scrutiny and conversation about the adequacy of such practices. There is insufficient empirical research around which practices are most effective. Inadequate strategies may mean that

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pharmaceutical funders are influencing patient group activities in ways that do not necessarily prioritise the interests of group members or the wider public. Transparency around patient group acceptance of pharmaceutical industry money remains patchy, hampering the public's knowledge about possible links between industry sponsorship and patient group activity. Industry influence over all the key stakeholders in health care should be explored and contained in order to maintain a health sector that prioritises the public's health.

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Transparency: The lead author affirms that the manuscript is an honest, accurate and transparent account of the study being reported.

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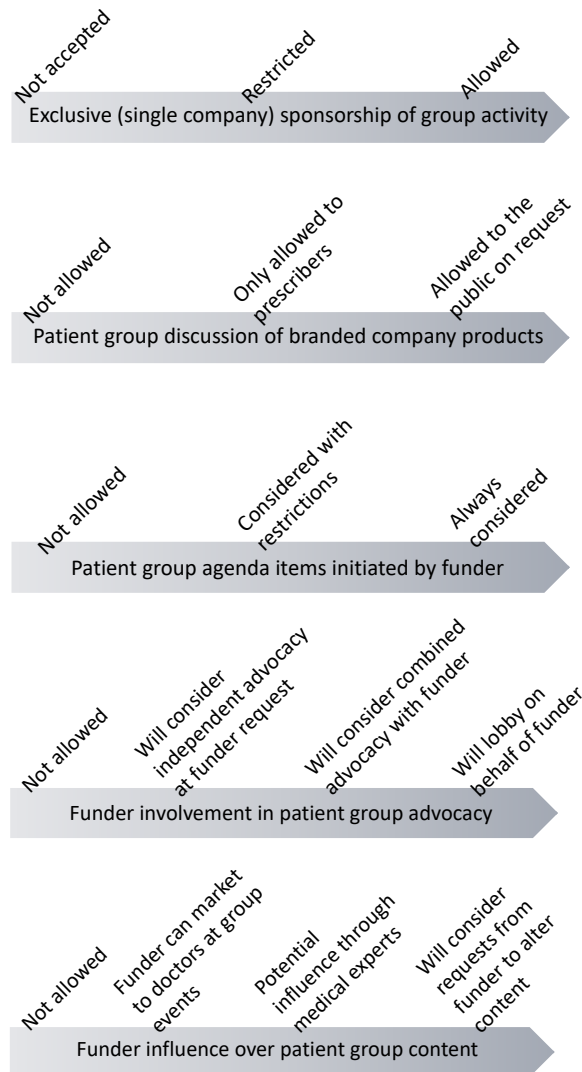
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Figure 1. Patient group practices to protect against undue influence from pharmaceutical industry sponsors: dominant themes and variation in practice



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Supplementary File 1

Body systems

- Respiratory
- Neurological
- Cardiovascular
- Renal
- Gastrointestinal
- Sensorineural
- Dermatological
- Musculoskeletal
- Women’s health
- Mental health
- Haematological
- Endocrine

Pathological processes

- Immunological
- Infection
- Genetic
- Cancer
- Degenerative
- Inflammatory
- Endocrine
- Vascular
- Trauma
- Toxic
- Metabolic

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General topics for semi-structured interviews

1. **Contextual information about the group** – eg main focus, aims and scope, main activities, size
2. **Interviewee's role within the group** – eg staff or volunteer, length of time associated with the group, experience within the group, role and activities
3. **Funding of the group** – eg regular funders, funding activities, previous funding patterns, challenges associated with obtaining funding
4. **Pharmaceutical funding, what happens & how it happens**
 - current and previous pharmaceutical funders
 - mechanics of funding eg how did it start, personnel involved, how is the amount determined
 - type of funding eg donation, payment for advertising
 - other types of pharmaceutical support – eg pharmaceutical personnel on group executive, provision of conference venue, delivery of educational material
5. **Group activities related to pharmaceuticals** eg advertising, distributing information, public advocacy
6. **Pharmaceutical funding, group experiences and policies**
 - eg is there a policy about pharmaceutical funding
 - is there any discussion within the group about pharmaceutical funding
 - any differences of opinion?
 - is there any (real or perceived) pressure to conform to the interests of industry?
 - is there any pestering by industry reps or others about funding or contributing to the group in others ways?

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Coding tree

Participant details - previous occupation/experience; role (CEO/director, other staff, Board)

Group details - location (local, national); focus (disease specific, health services); funding sources; involvement of pharma in group’s foundation

Interactions with pharmaceutical industry – how many companies; who initiates; relationships and who has power; what events are funded (what kinds, frequency); what other benefits or resources are provided by industry; what group gives to industry; companies overstepping the mark

What companies wants – views on why pharma is sponsoring you

Rules – personal or group rules on what you would / would not accept pharma funding for; Medicines Australia code of conduct

Reasons – why your group accepts pharma sponsorship; why your group doesn’t accept pharma sponsorship; why it might be different for other groups; responding to critics; in an ideal world would you accept pharma funding? (why/why not)

Independence – trust; perceived independence / brand; transparency

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Supplementary File

Case studies illustrating practices for working with pharmaceutical industry sponsors

Disease specific patient group, mid-range funding from pharmaceutical industry, formal policy (Sally)

The patient group that Sally works for accepts money from pharmaceutical companies, “predominantly for ... education events for ... GPs [General Practitioners, primary care doctors].” The group recently adopted a formal policy about working with pharmaceutical funders.

Sponsor exclusivity: The group tends to have multiple pharmaceutical companies sponsoring their large GP events, but will accept solo sponsorship for smaller events, “so last year we [went to a rural town] and we took a [specialist] in [to speak to the GPs] and we were sponsored by [one pharmaceutical company] to do that, which was great.”

Brand marketing: Sally’s group allows pharmaceutical sponsors to provide branded product marketing information to health professionals who attend educational events, “[Pharmaceutical reps] come on the day, have a stand, have their information.” The group does not allow companies to promote their branded products to the public: “[Members of the public] don’t come to an event where there’s a stand and there’s a pharmaceutical rep present.”

Agenda setting: The group works hard to prevent pharmaceutical company sponsors having undue influence over its agenda and according to Sally the new policy was adopted with that intention: “We’ve put a policy in place last year, that I got the board to approve saying ... we won’t do anything that we weren’t planning on doing in the first place just because a pharmaceutical company has asked us to.” Sally explained why she drafted this policy: “I was just concerned with the pharmaceutical companies that the direction of what we were doing might be influenced too much, so it was just a clarification from my part to say, ‘That’s not what we’re here for, we’re not going to be mouthpieces for anybody, we’re allowed to push our agenda.’ ... I think, if you don’t have policies in place early on to make it really clear what you will and won’t accept, then it makes it really difficult to say no.” As a result of this new policy, Sally said she has more easily been able to reject pharmaceutical company initiated project ideas: “One of the pharmaceutical companies - recently I was talking to them about sponsorship for [an education project] which they weren’t interested in, but they did say they would be interested if we could send them out to talk to GPs about this specific disease, which is obviously the one that they’ve got the specific medication for ... This policy is great because it’s now very clear what we can and can’t accept ... I can say quite clearly, ‘Well, no, that wasn’t our intention, so we can’t accept that sponsorship, but if you want to make it a general sponsorship, then we can talk about it.’ So it just makes it easier from my point of view, it stops any time wasting or confusion ... if it sits within [the policy], we accept it and if it doesn’t, then we don’t, we don’t have to think about it every single time.”

In general, Sally prefers non-pharmaceutical corporate sponsors because she thinks it is more obvious that the purposes of non-pharmaceutical sponsorship are marketing, “it’s very transparent ... [For example] an electrician company and they wanted to have our logo on the back of their trucks because it made people think they were nicer than the other electrical companies.” In contrast, Sally thinks that pharmaceutical company sponsorship of patient groups is often presented as being non-promotional and she thinks this is misleading: “No matter how much they say they’re not there to sell their product, obviously clearly they are.”

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Disease-specific patient group, high level of funding from pharmaceutical industry, formal policy (Paula)

The patient group that Paula works for accepts industry money for big programs of activities and for small individual projects: “the industry support really allows us to develop patient resources, [primary care] training, advocacy and awareness across different disease areas.” The group has a formal “working with industry” policy, available on their website, which provides “agreed guidelines for working together ... It just is a way for us to articulate for new staff coming in or for new industry partners about what the relationship should be.”

Sponsor exclusivity: The group accepts exclusive sponsorship but only for small projects: “We have no [big] program area that has one sponsor and that’s one of our lines in the sand. For individual projects, I can’t tell you we’ve never done it, I think we did a [small activity] that was supported by one particular company ... but we would always aim to work with more than one company.”

Brand marketing: The group allows sponsoring companies to advertise to health professionals and sees this as part of transparency around funding. They sometimes put patients in direct contact with pharmaceutical companies to facilitate industry staff knowledge of the patient perspective: “Often [companies will] come to us and say ‘We’re training our sales group’ and ... [ask us to] approach a patient to go and speak to the staff of the company.”

Agenda setting: Paula’s group provides opportunities for existing pharmaceutical company sponsors to suggest activities and will consider each idea on its merits according to whether or not it fits with the group’s strategic plans: “Once we are in a partnership with a company, they may well come to us and say, ‘We had an idea for something and we’d like to partner with you on this.’” Representatives from sponsoring companies are also invited to the group’s annual agenda planning meeting: “They’ll get to come in, raise issues.”

Advocacy: The group is willing to consider pharmaceutical company requests for patient group advocacy in support of the company’s application for government subsidy of its products. They might accept company advice on disease awareness campaigns: “They have great suggestions in terms of how we market ourselves, how we raise awareness.” However, the group will not automatically accept a company’s ideas or requests for advocacy if they are not part of the group’s “overall strategy” and the group is guided by the principle that “everything goes through the patient lens and through the evidence lens.” Paula notes, “We certainly have been in a situation where we have not been able to [advocate in] support applications of industry partners for [government] reimbursement for particular treatments if the evidence isn’t there.”

Content: Sponsoring companies have “no involvement in the program or who the speakers” are” at educational events. The group’s clinical guidelines are authored by medical experts. Paula stated, “I know that the chair of our guideline committee has no links with industry but we don’t have a policy for the members. It’s probably a good idea actually.”

COREQ (Consolidated criteria for REporting Qualitative research) Checklist

A checklist of items that should be included in reports of qualitative research. You must report the page number in your manuscript where you consider each of the items listed in this checklist. If you have not included this information, either revise your manuscript accordingly before submitting or note N/A.

Topic	Item No.	Guide Questions/Description	Reported on Page No.
Domain 1: Research team and reflexivity			
<i>Personal characteristics</i>			
Interviewer/facilitator	1	Which author/s conducted the interview or focus group?	
Credentials	2	What were the researcher's credentials? E.g. PhD, MD	
Occupation	3	What was their occupation at the time of the study?	
Gender	4	Was the researcher male or female?	
Experience and training	5	What experience or training did the researcher have?	
<i>Relationship with participants</i>			
Relationship established	6	Was a relationship established prior to study commencement?	
Participant knowledge of the interviewer	7	What did the participants know about the researcher? e.g. personal goals, reasons for doing the research	
Interviewer characteristics	8	What characteristics were reported about the interviewer/facilitator? e.g. Bias, assumptions, reasons and interests in the research topic	
Domain 2: Study design			
<i>Theoretical framework</i>			
Methodological orientation and Theory	9	What methodological orientation was stated to underpin the study? e.g. grounded theory, discourse analysis, ethnography, phenomenology, content analysis	
<i>Participant selection</i>			
Sampling	10	How were participants selected? e.g. purposive, convenience, consecutive, snowball	
Method of approach	11	How were participants approached? e.g. face-to-face, telephone, mail, email	
Sample size	12	How many participants were in the study?	
Non-participation	13	How many people refused to participate or dropped out? Reasons?	
<i>Setting</i>			
Setting of data collection	14	Where was the data collected? e.g. home, clinic, workplace	
Presence of non-participants	15	Was anyone else present besides the participants and researchers?	
Description of sample	16	What are the important characteristics of the sample? e.g. demographic data, date	
<i>Data collection</i>			
Interview guide	17	Were questions, prompts, guides provided by the authors? Was it pilot tested?	
Repeat interviews	18	Were repeat interviews carried out? If yes, how many?	
Audio/visual recording	19	Did the research use audio or visual recording to collect the data?	
Field notes	20	Were field notes made during and/or after the interview or focus group?	
Duration	21	What was the duration of the interviews or focus group?	
Data saturation	22	Was data saturation discussed?	
Transcripts returned	23	Were transcripts returned to participants for comment and/or	

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Topic	Item No.	Guide Questions/Description	Reported on Page No.
		correction?	
Domain 3: analysis and findings			
<i>Data analysis</i>			
Number of data coders	24	How many data coders coded the data?	
Description of the coding tree	25	Did authors provide a description of the coding tree?	
Derivation of themes	26	Were themes identified in advance or derived from the data?	
Software	27	What software, if applicable, was used to manage the data?	
Participant checking	28	Did participants provide feedback on the findings?	
<i>Reporting</i>			
Quotations presented	29	Were participant quotations presented to illustrate the themes/findings? Was each quotation identified? e.g. participant number	
Data and findings consistent	30	Was there consistency between the data presented and the findings?	
Clarity of major themes	31	Were major themes clearly presented in the findings?	
Clarity of minor themes	32	Is there a description of diverse cases or discussion of minor themes?	

Developed from: Tong A, Sainsbury P, Craig J. Consolidated criteria for reporting qualitative research (COREQ): a 32-item checklist for interviews and focus groups. *International Journal for Quality in Health Care*. 2007. Volume 19, Number 6: pp. 349 – 357

Once you have completed this checklist, please save a copy and upload it as part of your submission. DO NOT include this checklist as part of the main manuscript document. It must be uploaded as a separate file.