Exploring what leaders can do to improve and sustain social alignment over time.

BY ANDREW BURTON-JONES, ALICIA GILCHRIST, PETER GREEN, AND MICHAEL DRAHEIM

Improving Social Alignment During Digital Transformation

Social alignment among groups of stakeholders occurs when different stakeholder groups share understanding of a business outcome and commit to the outcome and the means to achieve it. Project management is more effective and efficient when stakeholders are socially aligned because it reduces friction each time a project decision is made. Without agreement among stakeholders as to what needs to be accomplished and how to do so, success becomes harder to achieve. While the benefits of stakeholder social alignment are clear, how project stakeholders can move toward and sustain social alignment remains unknown.

To address this issue, we sought to determine how social alignment or misalignment develops, and how leaders can improve social alignment over time. We had a unique chance to learn answers to these questions through our involvement in a longitudinal case study of a digital transformation. The case involved the launch of one of Australia’s first large-scale digital hospitals, one of the most significant organizational changes ever undertaken by an Australian health service. Given the size and consequences of transformational projects, this is a context where social alignment is likely to be critical.

We found in our research that the process of achieving social misalignment involved four phases as did the process of achieving social alignment. These processes were linked, such that stakeholders moved through misalignment and alignment in a non-linear fashion. When we studied the trajectory closely and mapped it out, we noticed improvements in the trajectory.

a It was transformational due to its size (a large, multi-site implementation) and its effect (dramatically changing how the service functioned). For a similar definition, see Burton-Jones et al. After implementation, the site achieved Stage 6 on the HIMSS Electronic Medical Record Adoption Model (EMRAM), one of only three Australian hospitals at that time, and the largest of them, to be so designated.
The CEO of one health service was a strong advocate and took it upon him/herself to wrest control of the project from the State, volunteer for his/her service to go live first, and prepare the health service for change.

Two hospitals were selected to be the lead hospitals in the rollout, with others to follow. Each hospital was to implement a U.S.-developed Digital Hospital solution configured to the Australian context, with each site joining the one system instance (that is, one system for the state). The two lead sites were called configuration sites because the system was configured to their needs as representatives of the other hospitals. To reduce risk, the implementation at the configuration sites and first few rollout sites was split into two waves. The first involved implementing modules for scheduling, documenting, order-entry and results-reporting, and wireless device integration. The second involved modules for research trials, anaesthetics, and medications. Reports and dashboards were also developed across both waves.

The findings in this article stem mostly from our findings at the larger of the two co-lead hospitals, which was the first hospital to go live in the state. The board meetings for the statewide rollout, which we attended, were held at this site. Through our attendance in these meetings, we observed how social alignment evolved during the implementation, not just at this site, but at other sites too. We also conducted 30 interviews with members from all major groups during the project to learn their perceptions and experiences over time, following an inductive research approach.

How Social Alignment and Misalignment Developed

We found that social alignment evolved non-linearly during the digital hospital due to practices that managers adopted. We also noticed poor trajectories when managers enacted these practices ineffectively or not at all. Through analysis, we identified three practices that help improve social alignment—Ramping, Holding, and Peaking.

In this article, we identify and describe the characteristics of these practices for improving social alignment in large complex projects. We begin by describing the project’s context, because every project is different and the context of our site may have affected what we observed. With this context laid out, we then describe how alignment and misalignment developed at the sites, followed by the practices that helped improve alignment.

The Digital Hospital Transformation

We studied the rollout of a Digital Hospital implementation across public hospitals in a state in Australia. Two prior attempts had failed and it was widely agreed this was the final chance. Many factors involved were similar to those in comparable cases internationally, for example, major work practice changes, significant training, the required buy-in of clinical groups. However, some factors were also very influential in this local setting. We highlight two:

Institutional complexity and risk: The rollout was supported by the state government but each hospital service across the state was quasi-independent. Thus, each hospital’s implementation involved multiple layers of governance—state, health-service, and hospital. The prior failed implementations had been led by the state, but this time the hospital services were taking greater control. Risks were significant because the health sector had experienced numerous recent IT scandals, including one of the largest IT failures in Australia’s history. Digital hospital implementations globally were also being criticized.

Strong funding and leadership: The project was relatively well-funded, with over AUD$0.5B invested by the state and other funds co-invested by each health service to go live. The project also benefited from strong leadership.

c Such systems are often known by their component functionality, such as an electronic medical record (EMR), electronic prescribing (e-prescribing), computerized decision support system (CDSS), and computerized physician order entry system (CPOE). The implementation we studied comprised all these components together with wireless device integration and a full (and growing) set of reporting and data analytic components, with the aim of transforming how the hospitals provided their services.
project, shifting between misalignment and alignment. As Figure 1 shows, we identified four phases of social misalignment and four phases of social alignment. The accompanying table provides illustrative quotes from our interviews describing each phase.

Our interpretation of our data was that periods of misalignment and alignment operated like two opposing pyramids that stakeholders scaled, with alignment and misalignment as the two peaks. We refer to them as pyramids because the lower levels appeared to provide the conditions for higher levels. For instance, the first phase of misalignment (separation) seeded the conditions for disrespect to emerge, which in turn seeded the conditions for lack of cross-disciplinary participation, which then led to social misalignment. Each higher level then fed into and reinforced conditions at lower levels, in turn deepening the issues at higher levels.

Fortunately, we found periods of misalignment could be broken if the stakeholders self-corrected and shifted adaptively toward alignment. The trigger was to identify feelings of separation as signaling the need to reconnect. For instance, project managers and clinicians typically come from very separate professional groups, but they could learn much from each other. Once they reconnected, stakeholders began to learn from each other, which

<table>
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<td><strong>Misalignment phases</strong></td>
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<tr>
<td>Social misalignment</td>
<td>“There was a disconnect between the project [and the business]. The project’s just going ahead and the business has gone ‘Well, where the hell are we going?’”</td>
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<td>Lack of cross-disciplinary participation</td>
<td>“So what we worry about is that there’s been a number of meetings around this and no one’s involved us.”</td>
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<td>Disrespect</td>
<td>“The people ... in those meetings didn’t have the power to change it anyway. They were just project people with a clipboard of tasks that they had to get done. ...They would just nod politely and move on [to] the next thing on their little Gantt chart.”</td>
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<tr>
<td>Separation</td>
<td>“So, we’ve been set up as silos, essentially, but we’re [supposed to be] implementing a system that is fully integrated.”</td>
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<td><strong>Alignment phases</strong></td>
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<tr>
<td>Social alignment</td>
<td>“The governance over [the implementation] was awesome. ...All those competing priorities—those competing people and groups and organizations ... just coalesced around ‘this is what we’re doing’ and it worked really well, and you would’ve sat in on some of the meetings to see everybody was in the room and they were able to say, ‘This is what I can do to make that happen.’”</td>
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<td>Cross-disciplinary participation</td>
<td>“One of the things I’ve said to [my colleague] is ‘can you go and take the group who’s going to be full medicine or surgery, take them to the executive meeting, introduce them, get people to see them, names, faces, whatever else, do that. Say how would you like then for these people to be part of your unit to help support them’”</td>
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<td>Respect</td>
<td>“You need to be listening. You’ve got to be listening and taking heed. You can have a command and control structure but you’ve also got to be turned on to what’s actually happening and what people are saying, and respecting the information that’s available and making sense of that.”</td>
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<td>Connection</td>
<td>“And there’s a couple of things that come out of [all three groups coming together for scenario building], one is ... they start to understand what the other one is doing. But they also start to have a bit of knowledge building going on in both areas.”</td>
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Figure 2. Improved social alignment.

<table>
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<tr>
<th>Practice</th>
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<td>Ramping</td>
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<tr>
<td>Best practice</td>
<td>Effective ramping, holding, and peaking practices</td>
<td>GL1, GL2</td>
</tr>
<tr>
<td>Ineffective practice</td>
<td>Ineffective or no ramping, holding, and peaking practices</td>
<td>GL1, GL2</td>
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**KEY:**

A: Alignment  
M: Misalignment  
GL1: First go-live  
GL2: Second go-live

led to respect, which then provided the foundation for cross-disciplinary participation and onto social alignment. Unfortunately, we also found social alignment was not necessarily self-sustaining because stakeholders could shift maladaptively back to periods of misalignment.

When we began our data collection at the project’s inception phase, the first stage we observed was separation. This was natural because the different groups (clinicians, project managers, and executives) had such different backgrounds and historically had not been part of the same team. During the early period of our data collection, well before the first go-live, we found separation led to disrespect and growing social misalignment. However, as go-live approached, we found the negativity of misalignment and the presence of separation became salient, leading stakeholders to switch mindsets. They began to reconnect which helped them learn and respect each other and then work together. This led to a peak of social alignment around the go-live date. We then observed that the team reverted back to previous silos after go-live, leading to a phase of misalignment, only to rise again for the second go-live. In short, we observed an inverted S-shaped curve, falling, rising, falling, and rising again.

The Baseline case in Figure 2 shows our first impression of this curve. However, as we analyzed our interview data, we found it did not paint a correct picture because the second period of misalignment did not appear as strong as the first, while the second period of alignment appeared stronger. This led us to collect more data to learn what was causing the improved trajectory. We discovered several practices that were improving alignment over time. That is, while some aspects of the process we were observing were quite natural and perhaps to be expected, it did not have to be that way. We felt these insights could help other researchers and practitioners too given that prior studies have observed performance dips and learning curves in past work and have explicitly called for further study of them.

How Social Alignment Can Be Improved

Figure 2 illustrates the practices we discovered in the case and how they
helped improve the alignment trajectory. We identified the practices from our data and confirmed them with stakeholders at the study site. The graphs are stylized rather than derived from quantitative data, but they reflect our interpretation of our data. Next, we discuss each practice and then discuss their combination in terms of effective/ineffective practice.

Improving Social Alignment through Ramping
Ramping practices accelerate alignment by getting stakeholders to commit at a faster rate than they otherwise would. This is shown in Figure 2, where the second rise in the curve for Ramping rises faster than the second rise in the Baseline curve. Three practices appeared to improve Ramping. The common idea underlying all three is that to commit early and strongly, stakeholders had to believe the project was credible—that it would go ahead and succeed. There was a long history of failed IT projects in that region, and in EMR projects globally. No one wanted to be part of a failure.

Creating multifunctional teams with recognized leaders. The first important Ramping practice was to create multifunctional teams with recognized leaders at all levels. Project teams included clinicians from all major professional groups, directly enabling the cross-disciplinary participation shown earlier in Figure 1. Individuals were sought who had strong leadership qualities and peer respect. Getting doctors involved was especially critical and the hospital involved key doctors who had respect across all subspecialties and across all levels of seniority. In addition to helping internally, this helped motivate external stakeholders to get involved.

For instance, the Deputy Chair of one medical division began leading one project subgroup. Until that time, junior vendor representatives attended these meetings but at the end of an early meeting, the doctor stressed that he/she expected someone of his/her equivalent level to attend. From then on, a leader from the vendor attended all those meetings. Likewise, clinicians from outside the hospital who needed to provide input at key stages gave input early, and caused less obstruction when they disagreed, because they knew the reputation of those involved.

Motivating attention to operational matters as the foundation for innovation. The second important Ramping practice was to attend to operational matters as the foundation for innovation. Week after week, the researchers observed project meetings in which senior leaders went into great operational detail regarding the implementation. Several of them told us they wished they did not have to engage in such detail but they knew the need to get these details right if the system was to provide the platform for innovation they desired. Although this was recognized in both waves, a senior clinician with a very strong reputation for attention to detail was brought in during the second wave to bolster this effort. By getting their hands dirty in the detail, the leaders could then talk credibly with colleagues from across the hospital who were nervous about the system and who did not trust outsiders to honestly tell them about its fitness. By getting into operational detail, the leaders were building the respect they needed to further improve participation across the hospital.

Managing not avoiding risk. The third important Ramping practice we observed was to manage rather than avoid risk. The project was being implemented at a time when past IT failures were in everyone’s mind. There were great pressures to reduce risk by delaying and descope, but project leaders also knew this would reduce the project’s chance of ever being implemented because the public sector was so risk averse. Therefore, project leaders kept deadlines firm and managed risk rather than avoiding it (for example, giving clinicians the autonomy needed to act quickly and ensuring adequate support was on hand for them). This increased the project’s credibility in everyone’s eyes. As one of the most senior doctors stressed to all other doctors in a medical ‘Grand Round’ in the months before go-live, the project was simply going ahead and they all had to get on board to ensure its success. Moreover, their success in managing risk during the first wave’s go-live gave them confidence in their ability to do so in the second wave. They were effectively honing their risk management capabilities over each wave, which in turn improved alignment.

Improving Social Alignment through Holding
Holding practices maintain alignment in the face of pressures to separate. This is shown in Figure 2, where the second fall in the curve for Holding falls slower and shallower than the second fall in the Baseline curve. We observed three practices that facilitated Holding at the hospital. The common idea underlying all three is the transformation was now owned by the business and the business needed to partner with IT to “bed down” and improve the system. In short, these practices gave the motivation and the structures to stay together.

Adjusting governance structures. First, the organization adjusted its governance structures to transition from a project mentality to a business-as-usual mentality. This involved giving user groups and the hospital’s executive more decision-rights over the system’s assimilation, with IT having a strong partnering role. For instance, while the project team made decisions regarding training in the pre-go-live state, the hospital and its divisions took greater responsibility over training post go-live and the IT group shifted to a partnership role by working with user groups to have ‘adoption coaches’ available to help clinicians as needed across the hospital.

Reallocation of funding and resources. Second, the organization reallocated funding and resources in a timely manner to maintain momentum. Because projects are temporary and often underfunded, funding often dries up after projects go live, even though much remains to be done. Such shortfalls can derail projects, leading key staff to leave and misalignment to grow. To avoid such problems, leaders reallocated funding shortly after the project go-live, for example, by identifying how the new system could allow the organization to remove a number of staff positions and how this financial saving could be used to create a new set of roles focused on optimizing the system.

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\[d\] The method used to plot our findings was inspired by studies of momentum, see Nelson and Jansen.19
Managing expectations and knowledge-sharing. Third, the organization managed users’ expectations and knowledge-sharing. This was critical because the rush to get the system ready for go-live meant that changes to the system still needed to be made and more training and practice changes were required after go-live. Predictably, many change requests were raised. Some units wanted the system to revert to old practices while others wanted even-more advanced features. The IT group needed to manage expectations, but they had to do so in a way that allowed the business to feel it owned the transformation. They did so by mining usage logs to identify business units that were using the system in advanced ways as well as business units that required more support. They then encouraged leaders from these units to interact to share knowledge about strengths and weaknesses of the system. By doing this at regular intervals, the IT group was able to facilitate knowledge sharing while still ensuring the business groups owned the project.

Improving Social Alignment through Peaking

Peaking practices increase alignment to even higher levels. This is shown in Figure 2, where the second rise in the curve for Peaking rises higher than the corresponding rise in the Baseline curve. To achieve peaking required team members to be more able and motivated than previously. When we observed practices that facilitated Peaking, the common factor was that they related to the base of the pyramid in Figure 1—connection and respect. Connection gave teams a common identity and motivation and facilitated mutual learning that enabled members to perform to even higher levels, while respect enabled staff to put differences aside, trust each other, and focus on achieving the best solution possible.

Co-locating teams. One practice that facilitated Peaking was co-locating teams. Doing so gave team members the time and place to learn from one another and understand their differences. Keeping teams separate proved costly. For instance, at one stage, one team at an external site did not communicate the fact they were not meeting deadlines until their deadlines were well exceeded. In contrast, relationships with the vendor improved on the second go-live because they were co-located with the project team in the command center while in the first go-live they were given a separate room. We were told this improved relationships so much the vendor and client staff saw themselves as one while working together.

Getting the right people at the right time in the right roles. A second practice that facilitated Peaking was getting the right people at the right time in the right roles. On one hand, some people were replaced with new team members and new roles evolved. For instance, as the project shifted from implementation to assimilation, a new team of Adoption Coaches was created and influential clinicians from across the hospital were recruited into the lead roles. This increased respect for the project across the organization because the team members had the right skills at the right times.

Understanding the ‘why?’ A third practice that facilitated Peaking was clarifying the answer to “why are we doing this?” Because so much attention to operational detail was required to get the system implemented, it was easy to lose sight of the end goal and become demotivated. This was especially in the down periods in the months immediately after go-live when staff were experiencing what one executive likened to post-natal depression. To overcome this, the organization worked hard to clarify the ‘why’, and do so in the language of clinicians, that is, focused on supporting improvements in patient care. An important positive that came out of this was that it allowed the team to reflect on the clinical benefits that emerge from a successful project. This success of the first wave buoyed them and motivated them to see additional benefits that could stem from the next wave. Greater motivation could then be reached on the second wave because the end goal was clearer and more compelling.
Integration: Best Practice and Ineffective Practice

Once the practices of Ramping, Holding, and Peaking, are understood, we can see how their combination, or lack thereof, can shape best practice and poor practice. As Figure 2 shows, best practice involves effective Ramping, Holding, and Peaking practices. Each dip becomes shorter, each rise becomes steeper, and each rise hits a new peak. Ineffective practice involves the opposite. Each dip is sharper, each rise is slower, and each new peak is lower. While the graphs in Figure 2 are stylized rather than based on quantitative data, we found evidence of both trajectories in the project we studied. At the lead hospital we studied, where all the practices described earlier were implemented, the trajectory was positive. The drop to misalignment was slower, the rise to social alignment was faster, and the level of social alignment was greater on the second go-live compared to the first.

We observed the opposite trajectory when these practices were enacted poorly or not at all. Our evidence for the opposite trajectory comes from a composite case we gathered data on during the study. While the team came together for the first go-live, it soon became clear they had not laid the foundation for that alignment (that is, the base of the pyramid)—their alignment was more appearance than substance. They had, in fact, struggled with each practice we discussed. Ramping suffered because senior and powerful clinicians were not included sufficiently in the project. Disgruntled clinicians then resisted the system soon after go-live and voiced their concerns to external media. Holding suffered because the organization failed to reallocate funding and manage user expectations. This led users to lose faith in the system fueling disrespect on all sides. Peaking suffered because the site had used a large number of external consultants rather than internal staff in key roles. While the consultants could and did play an important role, the hospital simply did not have the right internal people in the right roles at the right times. Peaking became infeasible; the aim became salvaging any semblance of alignment at all. Of course, our conclusions here are bounded by the time of our study. In the period since we completed the study and wrote this article, our informal observations of the composite case have been that social alignment has recovered somewhat, with greater clinical involvement and realignment of key positions. While the process of recovery lay outside the scope of our study, it appears to conform to the framework in Figure 1, in that misalignment, even if severe, can return to alignment.

Conclusion

Social alignment can be viewed as the glue that holds projects together. It helps people work together, stick together, and strive for shared goals. This article provides practical insights for how to achieve social alignment in complex projects when there are many factors working against it, such as when there are strong and diverse professional groups, multiple organizations, high stakes, and long periods. By collecting detailed evidence as a transformation project unfolded, and by comparing and contrasting different cases, we identified three practices that improved social alignment—Ramping, Holding, and Peaking. These practices motivated stakeholders to align, stay aligned, and strengthen alignment over time. While some of the practices can be found in prior work, this article contributes by revealing how they can come together in a coordinated way to improve social alignment over time and the consequences of not doing so. While some of these practices might have been expected in advance, not all of them were. In particular, one of the Holding practices (adjusting governance structures) proved particularly challenging and represents an area where more attention could be placed in future projects. We hope the results of this study will motivate future research to test and extend the insights we have offered.

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