# Pay and Employment Equity Monitoring \& Analysis Report 

## 2019-2020 Update

from the

## Pay and Employment Equity Implementation Group

## INTRODUCTION

The Pay and Employment Equity Implementation Group, as part of its function, monitors the implementation of the recommendations of the Massey University Pay and Employment Equity review undertaken in 2009. To this end, the group publishes updates on the data that underpinned the review - first, with a report in December 2016 and then an update in 2019. This is the third update on the progress adding the data for 2019 and 2020. Consistent with previous reports, women represented 60\% of the workforce at Massey in April 2020.

The gender wage gap was of primary concern in the 2009 assessment with a gap of $21.5 \%$. This overall gap has been reducing over recent years and in particular amongst general staff. The report reveals that in 2009 the gender wage gap amongst general staff was $17.2 \%$ but by 2020 the gap was $10.25 \%$ - a reduction of $7 \%$. By contrast, the gender wage gap for academic staff had widened over the same period by almost $2 \%$, from $13.9 \%$ in 2009 to $15.76 \%$ in 2020. While the overall gender wage gap has reduced marginally (from $21.5 \%$ in 2009 to $18 \%$ in 2020), there has been significant and encouraging progress in key areas, as Massey addresses the factors contributing to the wage gap.

Some of the positive improvements include:

- The percentage of senior roles held by women has increased from $24 \%$ in 2009 to $55 \%$ in 2020 .
- Amongst academic staff -
- The proportion of women in senior academic and research leadership positions has increased from 23\% in 2009 to 44\% in 2020.
- In recent years Massey has experienced higher participation and success rates of women academics at all levels up to and including Associate Professor.
- Continuation of assisting women with applying for promotion and ensuring gender equity during the promotion process should continue to narrow the gender gap.
- For Associate Professors -
- More women than men were promoted to Associate Professor in 2018, which sets up a strong pipeline effect for more women to move to Professor.
- In every year from 2014 to 2020, women's success rates in promotion to Associate Professor have exceeded men's (average 67\% versus 57\% across that period).
- There is no obvious gender difference in pay for Associate Professors.
- For Professors -
- Women in Professorial roles increased from $16 \%$ to $28 \%$ from 2009 to 2020.
- Between 2018-2020 the number of women successful in professorial promotions has increased, with a $100 \%$ success rate in 2020.
- For Associate Heads of School (a key development role for Head of School/Institute roles) -
- Of 11 additional AHOS positions, $64 \%$ of the appointees were women. (Women Heads of schools/institutes are still just $24 \%$, but 55\% of academic Director roles).
- For Associate Professor and Professor as a combined group across colleges -
- In 7 of 20 Schools/Institutes, women hold 50\%-100\% of these senior academic roles, and in 3 of these, the proportion of women at that level is significantly higher than the proportion in the academic workforce in the school.
- But, for others, the representation is low relative to quite high levels of women's participation in the total academic workforce in the School.
- The investment in Unconscious Bias training has been undertaken with academic promotion panels and this is now mandatory and appears to be supporting positive progress.
- Amongst General Staff -
- There is a high representation of women in general staff ${ }^{1}$ grades and while in six grades male salaries remain higher than women's salaries, the wage gap continues to reduce. In 2009 it was $17.2 \%$ and is now $10.25 \%$.
- In two general staff grades, women earned on average more than men in the same grades.
- Of women across all General staff pay grades, the percentage of women in the top General grades (G-I) rose from $13 \%$ to $20 \%$ from 2009 to 2020.
- Women comprised 65\% of all new appointments made to Grade H/I appointments between 2009 and 2020.

It is recognised that any reduction in inequalities does not happen by chance, but rather by consistent and concerted action to address such inequalities. Massey University has committed to reducing the gender pay gap and improving gender equality. There are still significant areas where improvements can and must be made. Regular monitoring of data and reports such as this form an integral part of this. So too is challenging policies and practices to ensure they are free from gender bias, whether conscious or not and providing support and encouragement in areas where statistics seem difficult to shift.

It is recognised that there is still a lot of work to be done both in terms of reducing the wage gap and ensuring that as women progress within and through grades, issues of potential inequity are addressed. Key touchpoints in the appointments, promotions and pay systems need to continue to be under conscious control and supported by such mind-shift interventions as the very successful Unconscious Bias training begun in 2018 and which is now mandatory training for academic promotion committees. A key measure for moderating the pay gap for Professors would be to revise the historical approach to the annual review of salaries for this group which perpetuates and exacerbates the effect of a high proportion of males in this group.

We are proud that Massey University was the only university to undertake a full review in 2009 in conjunction with the Tertiary Education Union. The Pay and Employment Equity Implementation Group continues to have joint representation and will continue to work towards implementing the recommendations of the review and giving an account of the progress towards the aspiration to achieve pay equity at Massey.

## The Pay and Employment Equity Implementation Group

Nov 2022

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## PART ONE - Workforce Data

As of April 2020, there were 3,636 staff at Massey University; of these $60 \%$ were women and $40 \%$ were men. This is similar to the findings of the initial PaEE report when the employment at Massey in December 2009 was assessed. In 2009, there were 3,403 staff at Massey and of these 1,907 ( $56 \%$ ) were women and 1,496 (44\%) were men.

From 2009 to 2015, the workforce in terms of the number of individuals employed at Massey decreased by approximately $3 \%$. In 2009, academic staff represented a total of 1,221 FTEs; in 2015, academic staff represented a total of 1,194 FTEs. By 2020 academic staff had increased to 1,382 FTEs, an increase of $13 \%$ since 2009 . Since 2015 the University has experienced growth in many areas and occupations in FTE but has remained at similar levels of Headcount.

Women continue to be more likely to work part-time (PT) than men, consistently making up around 70\% of parttime workers between 2009 and 2020 (see table 1). However, the picture looks different for academic and general staff.

In 2020, $21 \%$ of female academics and $13 \%$ of male academics were working part-time. This represents a notable reduction of academics working part-time since 2009 when $30 \%$ of female and $17 \%$ of male academics were working part-time.

The proportion of general staff working part-time has been more consistent over the same period ( $33 \%$ females PT in 2009 vs $31 \%$ in 2020; 18\% males PT in 2009 vs $17 \%$ in 2020).

Table 1. 2009 to 2020 comparison of full-time (FT) and part-time (PT) staff (Based on Headcount).

| Year | Gender | Full time | Part Time | Total | Full Time \% | Part Time \% |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 2009 | Woman | 1,305 | 602 | 1,907 | 51\% | 70\% |
|  | Men | 1,233 | 262 | 1,495 | 49\% | 30\% |
|  | Total | 2,538 | 864 | 3,402 |  |  |
| 2016 | Woman | 1,404 | 691 | 2,095 | 53\% | 71\% |
|  | Men | 1,223 | 289 | 1,512 | 47\% | 29\% |
|  | Total | 2,627 | 980 | 3,607 |  |  |
| 2017 | Woman | 1,409 | 735 | 2,144 | 54\% | 72\% |
|  | Men | 1,195 | 281 | 1,476 | 46\% | 28\% |
|  | Total | 2,604 | 1,016 | 3,620 |  |  |
| 2018 | Woman | 1,448 | 709 | 2,157 | 55\% | 72\% |
|  | Men | 1,176 | 273 | 1,449 | 45\% | 28\% |
|  | Total | 2,624 | 982 | 3,606 |  |  |
| 2019 | Woman | 1,453 | 684 | 2,137 | 55\% | 69\% |
|  | Men | 1,178 | 307 | 1,485 | 45\% | 31\% |
|  | Total | 2,631 | 991 | 3,622 |  |  |
| 2020 | Woman | 1,483 | 704 | 2,187 | 56\% | 70\% |
|  | Men | 1,154 | 295 | 1,449 | 44\% | 30\% |
|  | Total | 2,637 | 999 | 3,636 |  |  |



The gender wage gap was of primary concern in the 2009 assessment. The findings are summarised in Table 2. In 2009, the gender wage gap between all men and all women at Massey (excluding the Vice-Chancellor) for base salary was $21.5 \%$. By 2020 the overall wage gap had reduced to $18.24 \%$. This reduction was entirely due to a lessening of the gender wage gap amongst general staff.

In 2009, the gender wage gap amongst general staff was $17.2 \%$, but by 2020 this had reduced to $10.25 \%$, a reduction of almost 7\%. By contrast, the gender wage gap for academic staff had widened over the same period by almost $2 \%$, from $13.9 \%$ in 2009 to $15.76 \%$ in 2020 (see Figure 1).

Table 2. Massey staff (FTE) by gender and base salary.
$M=$ male; $F=$ female; gender wage gap unfavourable to women).

| Measure |  | 2009 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Total staff | M: | 1495 | 1127 | 1349 | 1323 | 1306 | 1329 | 1301 |
|  | F: | 1907 | 1471 | 1727 | 1799 | 1828 | 1822 | 1863 |
| Professional (General) staff | M : | 729 | 653 | 630 | 605 | 593 | 640 | 632 |
|  | F: | 1281 | 1159 | 1042 | 1081 | 1077 | 1104 | 1149 |
| Academic staff | M : | 766 | 750 | 719 | 718 | 713 | 689 | 669 |
|  | F: | 626 | 750 | 630 | 718 | 751 | 719 | 714 |
| Base salary: <br> Total staff | M: | \$79,069 | \$88,971 | \$88,819 | \$90,506 | \$92,834 | \$94,352 | \$98,520 |
|  | F: | \$62,092 | \$72,136 | \$73,523 | \$75,566 | \$76,539 | \$79,408 | \$82,325 |
|  | \% | ( $21.5 \%$ ) | (\%18.9\%) | (19.13\%) | (18.3\%) | (19.6\%) | ( 17.5\%) | (18.24\%) |
| Base salary: Professional (General) Staff | M: | \$64,257 | \$73,628 | \$71,368 | \$72,403 | \$72,973 | \$75,684 | \$78,597 |
|  | F: | \$53,226 | \$61,876 | \$62,393 | \$64,376 | \$64,939 | \$68,314 | \$71,052 |
|  | \% | ( 17.2\%) | ( 16.0\%) | ( 13.67\%) | ( 11.95\%) | ( 11.87\%) | ( 10.4\%) | ( 10.25\%) |
| Base salary: <br> Academic <br> staff | M: | \$93,166 | \$102,330 | \$103,499 | \$105,189 | \$108,532 | \$111,043 | \$116,531 |
|  | F: | \$80,233 | \$87,991 | \$89,228 | \$90,898 | \$92,228 | \$95,439 | \$99,589 |
|  | \% | ( 13.9\%) | ( 14.0\%) | (14.84\%) | (14.63\%) | (16.32\%) | (15.2\%) | ( 15.76\%) |

Figure 1. Gap percentage of base salary


## SENIOR LEADERS

The senior leadership team (SLT) includes the Vice-Chancellor, Deputy Vice-Chancellors/ Provost of services, and Pro Vice-Chancellors of colleges. In 2009, this group contained 3 women and 9 men ( $25 \%$ women). In 2011, this had changed to 6 women and 6 men ( $50 \%$ women). In 2015, the profile had returned to 3 women and 9 men ( $25 \%$ women). In 2016 this changed again to 4 women and 8 men ( $33 \%$ women). 2017 saw a change with the new VC appointment and also other senior roles resulting in the percentage of woman exceeding men (58\% women), as shown in Table 3. By 2020 the percentage is at $55 \%$ women.

Table 3. Massey Senior Leadership Team staff by gender.

| SLT Role | $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 5}$ | $\mathbf{2 0 1 6}$ | $\mathbf{2 0 1 7}$ | $\mathbf{2 0 1 8}$ | $\mathbf{2 0 1 9}$ | $\mathbf{2 0 2 0}$ |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Vice Chancellor | M | M | M | F | F | F | F |
| DVC - Students and Alumni | M | M | M | M | M | M | M |
| DVC - Maori | M | M | M | F | F | M | M |
| DVC - People and Culture | M | M | M | M | M | M | M |
| DVC - Finance \& Technology | M | F | F | F | F | F | F |
| Provost | M | F | F | F | F | F | F |
| Pro VC - College of Humanities <br> andSocial Sciences | F | M | M | M | M | M | F |
| Pro VC - College of Creative Arts | F | F | F | F | F | F | F |
| Pro VC - College of Sciences | M | M | M | M | M | M | M |
| Pro VC - Massey Business School ${ }^{2}$ | M | M | M | M | M | M | M |
| Pro VC - College of Health | $\mathrm{n} / \mathrm{a}$ | M | M | F | F | F | F |
| Pro VC - College of Education | M | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
| Assistant VC - External Relations | F | F | F | F | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ | $\mathrm{n} / \mathrm{a}$ |
| Total \% of women | $\mathbf{2 5 \%}$ | $\mathbf{2 5 \%}$ | $\mathbf{3 3 \%}$ | $\mathbf{5 8 \%}$ | $\mathbf{5 5 \%}$ | $\mathbf{4 5 \%}$ | $\mathbf{5 5 \%}$ |

Table 4 shows the proportion of men versus women who held academic and research leadership positions during the periods assessed. These positions encompass Institute and Foundation Directors, and School and Institute Heads.

Table 4. Academic and research leadership positions by gender

| $\mathbf{2 0 0 9}$ | $\mathbf{2 0 1 5}$ | $\mathbf{2 0 1 6}$ | $\mathbf{2 0 1 7}$ | $\mathbf{2 0 1 8}$ | $\mathbf{2 0 1 9}$ | $\mathbf{2 0 2 0}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| $\mathrm{M}: \mathbf{2 8 ( 7 7 \% )}$ | $\mathrm{M}: 19(68 \%)$ | $\mathrm{M}: 22(59 \%)$ | $\mathrm{M}: 26(67 \%)$ | $\mathrm{M}: 42(57 \%)$ | $\mathrm{M}: 46(58 \%)$ | $\mathrm{M}: 44(56 \%)$ |
| $\mathrm{F}: 8(23 \%)$ | $\mathrm{F}: 9(32 \%)$ | $\mathrm{F}: 15(41 \%)$ | $\mathrm{F}: 13(33 \%)$ | $\mathrm{F}: 32(43 \%)$ | $\mathrm{F}: 35(43 \%)$ | $\mathrm{F}: 35(44 \%)$ |

By 2018 the number of staff in this group had increased and also the women's representation had moved close to males from $23 \%$ in 2009 to $43 \%$ in 2018. By 2020 it was $44 \%$.

However, when the numbers are broken down into Institute and Foundation Directors, and School and Institute Head roles some interesting patterns emerge. While the proportional split of females and males in Director roles has remained relatively balanced since 2018 ( $50 \%$ male, $50 \%$ females in 2019; 45\% males, 55\% females in 2020), the heads of school/institute roles show a different pattern. Between 2018 to 2020 the proportion of females in Head of School/Institute roles has stayed consistent with $76 \%$ male and $24 \%$ female during 2019 and 2020. The

[^1]pay gap for this group of staff was $17 \%$ in 2019 but has increased to $19 \%$ by 2020 . By contrast, the pay gap between female and male Directors in 2019 was 12\% but had risen to $15 \%$ by 2020.

In 2015, there were also an additional 11 Associate Head of School positions, 7 (64\%) of which were held by women. This suggests that deliberate succession planning has taken place between 2009 and 2015, which has included a strong effort toward gender equality in these areas.

## PART TWO - Academic Staff

It was noted in the 2009 PaEE report that men significantly outnumbered women in the Associate Professor and Professor positions.

Table 5 shows the relative numbers and proportions of women and men holding academic titles (regardless of their job role) between 2009 and 2020. In 2009, women held two-thirds of the lower-paying (Associate Lecturer, Tutor, Senior Tutor) positions, and one-third of the higher-paying (Senior Lecturer R2, Assoc Professor, Professor) positions. This situation is not unique to Massey; a 2012 news article cited the proportion of women Professors to be similarly low at Otago (13\%), Waikato (24\%), and other New Zealand universities.

Female Massey academics have made progress and now occupy more of the Professor positions than they did eleven years ago. A change from $16 \%$ of Professors being women (2009) to $28 \%$ of Professors being women (2020) represents an improvement. While the percentage of women professors has increased it should be noted that the overall number of professors has increased by 57 since 2009 and women professors had increased by 34, being $59 \%$ of this growth.

Table 5. Massey academic staff by position and gender.

| Position |  | 2009 | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Assistant | M | 13 (29\%) | 10 (40\%) | 4 (44\%) | 3 (27\%) | 12 (28\%) | 10 (30\%) | 14 (38\%) |
| Lecturer | F | 32 (71\%) | 15 (60\%) | 5 (56\%) | 8 (73\%) | 31 (72\%) | 23 (70\%) | 23 (62\%) |
| Tutor/ELT | M | 22 (26\%) | 34 (28\%) | 34 (36\%) | 48 (33\%) | 47 (36\%) | 46 (38\%) | 33 (36\%) |
|  | F | 62 (74\%) | 89 (72\%) | 60 (64\%) | 96 (67\%) | 84 (64\%) | 74 (62\%) | 58 (64\%) |
| Senior Tutor /Senior ELT | M | 58 (36\%) | 58 (35\%) | 64 (42\%) | 56 (35\%) | 56 (31\%) | 57 (30\%) | 50 (27\%) |
|  | F | 101 (64\%) | 110 (65\%) | 87 (58\%) | 105 (65\%) | 125 (69\%) | 130 (70\%) | 137 (73\%) |
| Lecturer/RO | M | 171 (47\%) | 149 (47\%) | 140(43\%) | 127 (40\%) | 122 (39\%) | 109 (40\%) | 100 (40\%) |
|  | F | 195 (53\%) | 165 (53\%) | 183 (57\%) | 188 (60\%) | 187 (61\%) | 162 (60\%) | 152 (60\%) |
| Senior Lec <br> 1/SRO 1 | M | 212 (60\%) | 165 (51\%) | 141 (49\%) | 157 (50\%) | 168 (50\%) | 163 (58\%) | 158 (58\%) |
|  | F | 144 (40\%) | 158 (49\%) | 144 (51\%) | 157 (50\%) | 167 (50\%) | 160 (42\%) | 147 (42\%) |
| $\begin{aligned} & \text { Senior Lec } \\ & 2 / \text { SRO } 2 \\ & \hline \end{aligned}$ | M | 99 (67\%) | 85 (56\%) | 77 (57\%) | 78 (55\%) | 86 (55\%) | 98 (58\%) | 101 (43\%) |
|  | F | 49 (33\%) | 68 (44\%) | 58 (43\%) | 64 (45\%) | 69 (45\%) | 72 (42\%) | 74 (57\%) |
| Assoc <br> Professor | M | 85 (66\%) | 101 (64\%) | 92 (65\%) | 79 (64\%) | 97 (61\%) | 86 (56\%) | 94 (53\%) |
|  | F | 43 (34\%) | 56 (36\%) | 49 (35\%) | 45 (36\%) | 61 (39\%) | 68 (44\%) | 82 (47\%) |
| Professor | M | 123 (84\%) | 140 (77\%) | 136 (76\%) | 136 (74\%) | 151 (75\%) | 135 (73\%) | 145 (72\%) |
|  | F | 23 (16\%) | 41 (23\%) | 44 (24\%) | 48 (26\%) | 51 (25\%) | 49 (37\%) | 57 (28\%) |

When assessed by College, there continue to be distinct differences in gender parity at the top academic positions by 2020. The College of Creative Arts (CoCA) had reached gender parity in 2015 but this declined in the following years (Figure 2). The College of Humanities \& Social Sciences (CoHSS) and College of Health (CoH) have attained gender parity up to Associate Professor level. The Colleges of Business (CoB) and Sciences (CoB) remain weighted in favour of men, particularly within Associate Professor and Professor levels. Although efforts have been directed
towards hiring and promoting academic women, further efforts should be concentrated towards the achievement of parity, especially in these two Colleges.

Within the academic workforce, Associate Professors and Professors are the most visible, highly paid, and highly esteemed positions. An absence of women in these positions may not go unnoticed by undergraduate students, postgraduate students, or junior staff. Women have formed at least half the graduating class for decades in many areas including veterinary studies. Women make up approximately half of the permanent teaching and research academics (Lec/RO, Sr Lec/SRO, Assoc Prof, and Prof) staff in most schools and institutes at Massey. Yet, women still remain largely unrepresented in the Associate Professor and Professor positions of visibility and leadership in many areas, as shown in Figure 1.

Because some disciplines tend to attract men and women unequally in line with broader societal gender stereotypes, it is to be expected that numbers of academics within those areas will also reflect gender imbalances For example, education is stereotyped as a "woman's" field and attracts greater numbers of women to the profession. In 2020, the Institute of Education academic staff was comprised of $83 \%$ women. By contrast, fundamental sciences are often seen as a more "male field" and this is reflected in the proportion of academic staff being $62 \%$ male. However, the proportion of women at the higher levels should match their proportion of the overall academic staff within a given institute. As shown in Table 6, however, that is not always the case. For example, in the School of Communication, women make up $51 \%$ of the academics but only $14 \%$ of Associate Professor and Professor. A similar situation is seen in the Schools of Accountancy, Psychology, and Veterinary Sciences.

Figure 2. Gender inequity in senior academia by College 2015 to 2020.
Purple bars indicate women; green bars indicate men; orange line indicates the proportion of all academics in the College that are female.

2015






2016






2017







2019


2020






## Table 6. Massey 2016 to 2020 academic staff and professors within institutes/schools by gender.

(1) Denotes increase in the percentage of women since the previous year;
(1) denotes a decrease in the percentage of women since the previous year;

D denotes no change since the previous year.

| Institutes \& Schools | Total \# academic staff |  |  |  |  |  | of academics, \% women |  |  |  |  |  | Total \# Assoc Prof \& Prof |  |  |  |  |  | of Assoc Prof \& Prof, \% women |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
|  | 2016 | 2017 | 2018 | 2019 | 2020 |  | 2016 | 2017 | 2018 | 2019 | 2020 |  | 2016 | 2017 | 2018 | 2019 | 2020 |  | 2016 | 2017 | 2018 | 2019 | 2020 |  |
| Institute of Education | 84 | 85 | 80 | 80 | 70 | (1) | 73\% | 76\% | 81\% | 83\% | 83\% | $\bigcirc$ | 14 | 13 | 10 | 9 | 10 | (1) | 64\% | 62\% | 90\% | 89\% | 90\% | (1) |
| New Zealand Institute for Advanced Study | 19 | 16 | 16 | 12 | 11 | (1) | 16\% | 19\% | 31\% | 25\% | 36\% | (1) | 8 | 6 | 6 | 5 | 5 | $\bigcirc$ | 13\% | 17\% | 17\% | 20\% | 20\% | $\bigcirc$ |
| School of Accountancy | 34 | 31 | 32 | 30 | 31 | (1) | 53\% | 45\% | 50\% | 50\% | 48\% | (1) | 5 | 6 | 7 | 6 | 8 | (1) | 40\% | 33\% | 29\% | 17\% | 25\% | 1 |
| School of Agriculture and Environment | 84 | 86 | 108 | 99 | 105 | - | 30\% | 30\% | 33\% | 35\% | 37\% | (1) | 27 | 32 | 43 | 38 | 40 | - | 19\% | 22\% | 21\% | 21\% | 20\% | (1) |
| School of Art | 47 | 45 | 40 | 36 | 37 | (1) | 53\% | 53\% | 55\% | 50\% | 51\% | (1) | 6 | 7 | 8 | 8 | 8 | $\bigcirc$ | 50\% | 57\% | 50\% | 50\% | 38\% | (1) |
| School of Communication, Journalism and Marke | 63 | 76 | 79 | 78 | 77 | (1) | 51\% | 54\% | 49\% | 50\% | 51\% | (1) | 8 | 10 | 13 | 8 | 7 | (1) | 25\% | 30\% | 23\% | 25\% | 14\% | (1) |
| School of Design | 78 | 62 | 57 | 54 | 55 | (1) | 60\% | 60\% | 60\% | 54\% | 58\% | (1) | 2 | 3 | 5 | 5 | 7 | (1) | 50\% | 67\% | 60\% | 60\% | 57\% | (1) |
| School of Economics and Finance | 49 | 50 | 60 | 57 | 57 | $\bigcirc$ | 41\% | 42\% | 38\% | 37\% | 37\% | $\bigcirc$ | 15 | 17 | 18 | 16 | 18 | (1) | 20\% | 18\% | 22\% | 31\% | 33\% | 1 |
| School of English and Media Studies | 70 | 86 | 86 | 87 | 75 | (1) | 59\% | 62\% | 60\% | 62\% | 64\% | (1) | 3 | 4 | 4 | 4 | 3 | (1) | 67\% | 75\% | 75\% | 75\% | 67\% | (1) |
| School of Food and Advanced Technology | 88 | 88 | 48 | 93 | 89 | (1) | 52\% | 52\% | 44\% | 24\% | 19\% | (1) | 16 | 19 | 10 | 26 | 27 | (1) | 44\% | 47\% | 30\% | 12\% | 11\% | (1) |
| School of Fundamental Sciences | 97 | 95 | 84 | 92 | 87 | (1) | 37\% | 35\% | 38\% | 33\% | 38\% | (1) | 26 | 26 | 25 | 27 | 28 | - | 15\% | 15\% | 16\% | 22\% | 25\% | 1 |
| School of Health Sciences | 26 | 28 | 44 | 39 | 39 | $\bigcirc$ | 58\% | 61\% | 59\% | 62\% | 59\% | (1) | 5 | 4 | 7 | 6 | 7 | (1) | 40\% | 50\% | 43\% | 67\% | 57\% | (1) |
| School of Humanities | 73 | 74 | 63 | 60 | 63 | - | 48\% | 45\% | 48\% | 53\% | 49\% | (1) | 7 | 9 | 9 | 10 | 12 | (1) | 43\% | 33\% | 44\% | 50\% | 42\% | 1 |
| School of Management | 64 | 64 | 71 | 68 | 62 | (1) | 38\% | 42\% | 38\% | 41\% | 40\% | (1) | 10 | 11 | 12 | 12 | 14 | (1) | 30\% | 27\% | 25\% | 25\% | 36\% | 1 |
| School of Natural and Computational Sciences | 75 | 68 | 70 | 68 | 70 | (1) | 41\% | 46\% | 43\% | 41\% | 43\% | (1) | 12 | 11 | 15 | 17 | 20 | (1) | 17\% | 27\% | 33\% | 29\% | 30\% | 1 |
| School of Nursing | 47 | 63 | 51 | 47 | 38 | (1) | 81\% | 83\% | 88\% | 89\% | 89\% | $\bigcirc$ | 2 | 4 | 4 | 3 | 3 | $\bigcirc$ | 100\% | 100\% | 100\% | 100\% | 100\% | $\bigcirc$ |
| School of People, Environment and Planning | 75 | 76 | 83 | 80 | 72 | (1) | 64\% | 67\% | 65\% | 63\% | 56\% | (1) | 15 | 14 | 14 | 12 | 12 | $\bigcirc$ | 47\% | 43\% | 43\% | 50\% | 50\% | $\bigcirc$ |
| School of Psychology | 97 | 92 | 97 | 96 | 104 | - | 68\% | 68\% | 73\% | 74\% | 74\% | $\bigcirc$ | 14 | 12 | 11 | 10 | 12 | (1) | 36\% | 42\% | 36\% | 50\% | 58\% | 1 |
| School of Social Work | 26 | 26 | 22 | 21 | 22 | (1) | 77\% | 69\% | 68\% | 71\% | 73\% | (1) | 4 | 4 | 4 | 4 | 5 | (1) | 75\% | 75\% | 75\% | 75\% | 80\% | 1 |
| School of Sport, Exercise and Nutrition | 31 | 30 | 35 | 29 | 29 | $\bigcirc$ | 29\% | 30\% | 49\% | 41\% | 41\% | $\bigcirc$ | 4 | 4 | 9 | 10 | 12 | (1) | 0\% | 0\% | 33\% | 30\% | 42\% | 1 |
| School of Veterinary Science | 142 | 138 | 129 | 121 | 126 | (1) | 54\% | 54\% | 59\% | 61\% | 64\% | (1) | 27 | 30 | 23 | 25 | 28 | (1) | 4\% | 17\% | 22\% | 36\% | 39\% | 1 |
| Te Putahi-a-Toi | 17 | 18 | 21 | 25 | 22 | (1) | 47\% | 50\% | 57\% | 56\% | 64\% | (1) | 1 | 1 | 2 | 2 | 4 | (1) | 100\% | 100\% | 50\% | 50\% | 50\% | $\bigcirc$ |

It should be noted that in recent years, Massey is experiencing higher participation and success rates of female academics at all levels up to and including Associate Professor, particularly in 2016 and 2019, although more efforts should be focused on the level of Professor. This is creating a pipeline of high-quality female academics that should progress to higher levels. An example of the success of female academics in 2016 was from one institute in particular; IVABS. It is clear, that with a new Head of Institute who had an agenda of gender equality within the senior academic positions the progress has been significant. In recent years much of the recruitment activity has been centred on employing young female talent and providing support. This led to IVABS being the example of female success as a notable mention from the University Promotions Committee and Assistant ViceChancellor Research, Academic and Enterprise in 2016.

Table 7 shows the proportions of female versus male academic staff who have been promoted since 2011 to the level of Professor, and since 2014 to the level of Associate Professor. As can be seen from the table, there are inconsistencies in regards to participation rates and success rates of female academics applying and receiving a promotion to Professor. This continues to be an issue for the University and efforts should be focused on providing support, guidance, and ensuring University promotions guidelines and processes are free from gender bias.

In 2018 Bias Training for Academic Promotion's committee members were scheduled and the take-up of participants in this training has been overwhelmingly positive with a complete level of attendance by committee members. This training has been extended to Heads of Schools/Institutes and since 2020 has been mandatory for promotions committee members.

Table 7. Female and male promotion rates 2011-2020 (Professor and Associate Professor).

| Professor | \# women applicants | \# men applicants | \% women successful | \% men successful |
| :---: | :---: | :---: | :---: | :---: |
| 2011 | 2 | 8 | 50\% | 62\% |
| 2012 | 10 | 14 | 40\% | 57\% |
| 2013 | 12 | 10 | 33\% | 80\% |
| 2014 | 6 | 7 | 50\% | 86\% |
| 2015 | 5 | 12 | 100\% | 83\% |
| 2016 | 3 | 16 | 66\% | 50\% |
| 2017 | 10 | 16 | 50\% | 63\% |
| 2018 | 9 | 10 | 67\% | 50\% |
| 2019 | 7 | 12 | 71\% | 50\% |
| 2020 | 4 | 9 | 100\% | 64\% |
| 2011-2020 (cumulative) | 68 | 114 | 63\% | 65\% |
| Associate Professor | \# women applicants | \# men applicants | \% women successful | \% men successful |
| 2014 | 16 | 19 | 69\% | 63\% |
| 2015 | 7 | 17 | 57\% | 56\% |
| 2016 | 17 | 21 | 71\% | 57\% |
| 2017 | 14 | 18 | 64\% | 50\% |
| 2018 | 22 | 22 | 59\% | 32\% |
| 2019 | 24 | 23 | 83\% | 74\% |
| 2020 | 18 | 22 | 72\% | 86\% |
| 2011-2020 (cumulative) | 54 | 75 | 67\% | 57\% |

Significant work continues to be undertaken by the University to support gender parity in promotion participation and success. Work includes:

- Introducing a revised set of promotions criteria and process (level 1 and 2) - including a new set of criteria and requiring staff to explicitly identify and discuss circumstances which explain performance relative to opportunity;
- Streamlining the application process;
- Consulting on revising the promotion criteria for promotions to Associate Professor and Professor. This will include discussing a Teaching Scholar and Clinical and General Practice track for promotion to professor.
- Introducing Te Kāhui Pou Mātauranga to review appropriate applications from Māori applying for Associate Professor and Professor promotions

While the intention of this work is not solely related to ensuring greater female participation and success rates regarding promotion, it is a strong consideration when working through this process.

Regular assessment of these data must continue to track changes in gender equity. Any school with consistent gender imbalances should be further examined. Schools and institutes with poor track records of gender equity may require additional assistance and encouragement to address issues contributing to gender inequity.

## PART THREE - General Staff

It was noted in the 2009 PaEE report that women were over-represented amongst all general staff but underrepresented in the higher grades. The gender wage gap amongst general staff was largely due to this situation. Gender representation amongst general staff grades was re-examined for 2020.

The proportions of men and women amongst general staff has remained unchanged between 2009-2020. In 2009, there were 1,625 general staff and of these, 1,070 ( $66 \%$ ) were women and 555 (34\%) were men. In 2020, there were 1641 General Staff. Of these, 1,128 (69\%) were women, and 513 (31\%) were men (See Table 10).

As shown in Table 8, in 2009, 31\% of the general staff men were in the lower-paying grades (1 to 3), and 30\% of the general staff men were in the higher paying grades $(6-8)$. Whereas, $45 \%$ of the women were in the lowerpaying grades $(1-3)$ and $28 \%$ of the women were in the higher pay grades $(6$ to 8$)$.

In 2020, women held $29 \%$ of the general staff positions in grades 1 to 3 and $28 \%$ of the general staff positions in grades 6 to 8 .

While this demonstrates an improvement, gender parity has not yet been achieved.
Table 8. Massey male and female general staff by grade.

| Grade | $\begin{gathered} 2009 \\ \% \text { of } M \end{gathered}$ | $\begin{gathered} 2015 \\ \% \text { of } M \end{gathered}$ | $\begin{gathered} 2016 \\ \% \text { of } \mathrm{M} \end{gathered}$ | $\begin{gathered} 2017 \\ \% \text { of } M \end{gathered}$ | $\begin{gathered} 2018 \\ \% \text { of } M \end{gathered}$ | $\begin{gathered} 2019 \\ \% \text { of } M \end{gathered}$ | $\begin{gathered} 2020 \\ \% \text { of } M \end{gathered}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 1 | 11\% | 7\% | 5\% | 4\% | 5\% | 4\% | 3\% |
| 2 | 10\% | 9\% | 7\% | 7\% | 8\% | 7\% | 7\% |
| 3 | 10\% | 9\% | 8\% | 7\% | 7\% | 6\% | 8\% |
| 4 | 21\% | 19\% | 20\% | 21\% | 21\% | 20\% | 22\% |
| 5 | 18\% | 22\% | 22\% | 21\% | 21\% | 23\% | 21\% |
| 6 | 18\% | 18\% | 19\% | 20\% | 20\% | 21\% | 20\% |
| 7 | 9\% | 13\% | 15\% | 16\% | 14\% | 15\% | 15\% |
| 8 | 3\% | 3\% | 4\% | 4\% | 4\% | 3\% | 4\% |
| Total | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% |
| Grade | $\begin{gathered} 2009 \\ \% \text { of } F \end{gathered}$ | 2015 <br> \% of $F$ | $\begin{gathered} 2016 \\ \text { \% of } F \end{gathered}$ | 2017 <br> \% of $F$ | 2018 <br> \% of $F$ | $2019$ <br> \% of F | $2020$ <br> \% of F |
| 1 | 9\% | 6\% | 3\% | 2\% | 3\% | 3\% | 2\% |
| 2 | 16\% | 11\% | 9\% | 8\% | 10\% | 9\% | 8\% |
| 3 | 20\% | 20\% | 21\% | 21\% | 20\% | 19\% | 18\% |
| 4 | 27\% | 26\% | 26\% | 27\% | 28\% | 28\% | 27\% |
| 5 | 15\% | 19\% | 18\% | 19\% | 19\% | 20\% | 16\% |
| 6 | 9\% | 12\% | 12\% | 13\% | 11\% | 13\% | 18\% |
| 7 | 3\% | 6\% | 7\% | 8\% | 7\% | 7\% | 8\% |
| 8 | 1\% | 2\% | 2\% | 2\% | 2\% | 2\% | 2\% |
| Total | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% | 100\% |

In 2009, 66 men and 50 women held positions in grades H or I. In 2015, 87 men and 89 women held positions in grades H or I. This suggests that between 2009 and 2015, 21 men and 39 women were appointed or promoted
to new H/I positions. Women made up 67\% of all general staff in 2015 and made up 65\% of these new H/l positions. These findings suggest that between 2009 and 2015 there was an increase in women being hired or promoted into the senior general staff positions and show a general trend towards reaching gender equity in these job roles. 2018 continues with a far higher representation by Women, yet in 5 of the grades male salaries remain higher by 1 to $3 \%$. This trend continues in 2020 , with 97 men and 116 women holding positions in grade Horl.

Please note that grades were changed in 2019 as follows:

| Grades A \& B | became | Grade1 |
| :--- | :--- | :--- |
| Grade C | became | Grade 2 |
| Grade D | became | Grade 3 |
| Grade E | became | Grade 4 |
| Grade F | became | Grade 5 |
| Grade G | became | Grade 6 |
| Grade H | became | Grade 7 |
| Grade I | became | Grade 8 |

Table 9. General staff by grade showing gender headcount and average salaries 2018.

*In 2018, general staff were $\mathbf{3 2 \%}$ male, $68 \%$ female

Table 10. General staff by grade showing gender headcount and average salaries 2019

|  | Female |  | Male |  | Total Headcount |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Grade | Headcount | Average <br> Salary | Headcount | Average <br> Salary | Headcount | Average <br> Salary | Headcount <br> Gap | Salary \% Gap |

*In 2019, general staff were $33 \%$ male, $67 \%$ female

Table 11. General staff by grade showing gender headcount and average salaries 2020

|  | Female |  | Male |  | Total Headcount |  |  |  |
| :--- | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Grade | Headcount | Average <br> Salary | Headcount | Average <br> Salary | Headcount | Average <br> Salary | Headcount <br> Gap | Salary \% Gap |

*In 2020, general staff were $31 \%$ male, $69 \%$ female

## Assessment utilising Job Evaluation Comparisons

The Mercer Job Evaluation IPE system is used for job evaluations for Professional Services jobs across the University. This system measures factors in each job and this determines a points score. The score is then converted to a position class that is in turn linked to Massey grades. For example, jobs scoring between 51 to 75 points equals Position Class $\mathbf{4 1}$ which relates to grade GEN2.

When comparing gender salaries by position class this shows a strong alignment of salaries between genders.

Figure 3. Gender salaries by position class


Figure 4 gender salaries by position class


Table 12. Salary gap by position class

| Position Class | 2019 <br> Salary <br> Gap \% | Percentage of Women in PC 2019 | $\begin{aligned} & 2020 \\ & \text { Salary } \\ & \text { Gap \% } \end{aligned}$ | Percentage of Women in PC 2020 | IPE <br> Points from | PPE <br> Points <br> to |  | Massey Grade |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 40 | -7.3\% | 67\% | -5.5\% | 67\% | 26 | 50 | PC40 | GEN1 |
| 41 | 2.1\% | 70\% | 3.0\% | 66\% | 51 | 75 | PC41 | GEN2 |
| 42/43 | -3.5\% | 82\% | -4.5\% | 79\% | 76 | 125 | PC42/43 | GEN3 |
| 44/45 | 1.7\% | 77\% | 1.9\% | 77\% | 126 | 175 | PC44/45 | GEN4 |
| 46/47 | -0.3\% | 55\% | 1.4\% | 58\% | 176 | 225 | PC46/47 | GEN5 |
| 48/49 | 1.1\% | 73\% | 1.3\% | 74\% | 226 | 275 | PC48/49 | GEN6 |
| 50/51 | 3.1\% | 48\% | 4.8\% | 55\% | 276 | 325 | PC50/51 | GEN7 |
| 52 | 4.4\% | 56\% | 3.2\% | 61\% | 326 | 350 | PC52 | GEN8 |
| 53 | -0.8\% | 38\% | -0.7\% | 47\% | 351 | 375 | PC53 | $\stackrel{\Phi}{\square}$ |
| 54 | 3.4\% | 60\% | 0.3\% | 62\% | 376 | 400 | PC54 | ${ }^{\circ}$ |
| 55 | -4.5\% | 36\% | -3.5\% | 38\% | 401 | 425 | PC55 | $\stackrel{\square}{\square}$ |
| 56 | -1.4\% | 80\% | -2.2\% | 67\% | 426 | 450 | PC56 | $\stackrel{\varepsilon}{0}$ |
| 58 |  |  | -9.0\% | 33\% | 451 | 475 | PC57 | 8 |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

## PART FOUR - Occupational Segregation

Some job categories in the market generally (e.g. nurses), tend to be filled primarily by women, while others (e.g. mechanics) tend to be filled primarily by men. This is referred to as occupational segregation. Occupational segregation is a key reason for the gender pay gap at both the national and institutional levels.

The job families at Massey University in Table 12 are separated into two groups for 2015-2020 data: teaching (tutor to professor) and non-teaching (caterers to senior executives). Student positions (e.g. assistant lecturer) and practising professionals (e.g. clinicians) have been excluded from this data set. Male and female-dominated work roles are those held by $>70 \%$ women or $>65 \%$ men, matching the 2009 report's cut-offs.

Within each group, the job families are ranked by mean salary (from low to high). Within the academic (teaching and research) positions, women predominate in the lowest-paid categories (tutor and clinical teaching associate) while men predominate in the highest-paid categories (associate professor and professor). In the non-teaching categories, men predominate at the very highest level (senior academic manager and senior executive). Femaledominated jobs are found in the library, advisor, and administration, while male dominated jobs are found in computing, aviation, and gardening.

Table 13. Massey general staff job categories 2015-2020 by gender representation.

| Professional Services | 2015 |  |  |  | 2016 |  |  |  | 2017 |  |  |  | 2018 |  |  |  | 2019 |  |  |  | 2020 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Job Family | \% F | \# F | \% M | \# F | \% F | \# F | \% M | \# M | \%F | \#F | \%M | \#M | \%F | \#F | \%M | \#M | \%F | \#F | \%M | \#M | \%F | \#F | \%M | \#M |
| Administration Staff | 84\% | 645 | 16\% | 122 | 81\% | 680 | 19\% | 159 | 81\% | 688 | 19\% | 159 | 82\% | 694 | 18\% | 157 | 88\% | 409 | 12\% | 57 | 88\% | 416 | 12\% | 58 |
| Advisory / Specialists |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 71\% | 178 | 29\% | 73 | 74\% | 204 | 26\% | 73 |
| Aviation Staff | 0\% | 0 | 100\% | 18 | 15\% | 4 | 85\% | 22 | 17\% | 4 | 83\% | 19 | 12\% | 3 | 88\% | 22 | 14\% | 4 | 86\% | 25 | 9\% | 3 | 91\% | 29 |
| Catering / Hospitality Staff | 50\% | 7 | 50\% | 7 | 56\% | 14 | 44\% | 11 | 64\% | 14 | 36\% | 8 | 60\% | 15 | 40\% | 10 | 50\% | 12 | 50\% | 12 | 64\% | 14 | 36\% | 8 |
| CED Teacher/Reg Advisor | 88\% | 15 | 12\% | 2 | 82\% | 9 | 18\% | 2 | 82\% | 9 | 18\% | 2 | 80\% | 8 | 20\% | 2 | 82\% | 9 | 18\% | 2 | 91\% | 10 | 9\% | 1 |
| Farm Staff | 40\% | 4 | 60\% | 6 | 17\% | 2 | 83\% | 10 | 17\% | 2 | 83\% | 10 | 15\% | 2 | 85\% | 11 | 8\% | 1 | 92\% | 11 | 25\% | 3 | 75\% | 9 |
| Gardening Staff | 27\% | 4 | 73\% | 11 | 29\% | 4 | 71\% | 10 | 27\% | 4 | 73\% | 11 | 33\% | 4 | 67\% | 8 | 36\% | 5 | 64\% | 9 | 36\% | 4 | 64\% | 7 |
| General Services Staff | 15\% | 8 | 85\% | 47 | 18\% | 9 | 82\% | 41 | 19\% | 9 | 81\% | 39 | 18\% | 8 | 82\% | 37 | 16\% | 7 | 84\% | 36 | 24\% | 11 | 76\% | 34 |
| ICT Professional Staff | 26\% | 49 | 74\% | 140 | 23\% | 43 | 77\% | 140 | 25\% | 44 | 75\% | 134 | 27\% | 49 | 73\% | 134 | 27\% | 53 | 73\% | 146 | 29\% | 57 | 71\% | 138 |
| Librarian \& Library Assistants | 76\% | 94 | 24\% | 30 | 74\% | 86 | 26\% | 31 | 75\% | 86 | 25\% | 29 | 78\% | 89 | 22\% | 25 | 77\% | 87 | 23\% | 26 | 74\% | 77 | 26\% | 27 |
| Managers |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 73\% | 128 | 27\% | 48 | 75\% | 129 | 25\% | 42 |
| Printery Staff | 63\% | 15 | 38\% | 9 | 61\% | 14 | 39\% | 9 | 62\% | 13 | 38\% | 8 | 64\% | 14 | 36\% | 8 | 62\% | 13 | 38\% | 8 | 56\% | 10 | 44\% | 8 |
| Research-only Support Staff | 68\% | 63 | 32\% | 30 | 71\% | 97 | 29\% | 40 | 75\% | 100 | 25\% | 34 | 75\% | 97 | 25\% | 33 | 70\% | 86 | 30\% | 37 | 69\% | 88 | 31\% | 40 |
| Senior Executive | 27\% | 3 | 73\% | 8 | 33\% | 4 | 67\% | 8 | 58\% | 7 | 42\% | 5 | 55\% | 6 | 45\% | 5 | 40\% | 4 | 60\% | 6 | 42\% | 5 | 58\% | 7 |
| Senior Manager | 41\% | 36 | 59\% | 52 | 40\% | 16 | 60\% | 24 | 39\% | 15 | 61\% | 23 | 40\% | 12 | 60\% | 18 | 45\% | 9 | 55\% | 11 | 33\% | 7 | 67\% | 14 |
| Senior Professional | 50\% | 22 | 50\% | 22 | 58\% | 29 | 42\% | 21 | 58\% | 28 | 42\% | 20 | 57\% | 25 | 43\% | 19 | 51\% | 35 | 49\% | 33 | 51\% | 38 | 49\% | 36 |
| Student/Community Services \& Sur | 66\% | 84 | 34\% | 44 | 63\% | 93 | 37\% | 54 | 63\% | 90 | 37\% | 52 | 65\% | 99 | 35\% | 53 | 58\% | 87 | 42\% | 63 | 66\% | 107 | 34\% | 56 |
| Technicians | 51\% | 110 | 49\% | 105 | 53\% | 125 | 47\% | 112 | 54\% | 127 | 46\% | 108 | 54\% | 118 | 46\% | 99 | 58\% | 135 | 42\% | 98 | 58\% | 139 | 42\% | 101 |
| Vice-Chancellor | 0\% | 1 | 100\% | 1 | 0\% | 1 | 100\% | 1 | 100\% | 1 | 0\% | 0 | 100\% | 1 | 0\% | 0 | 100\% | 1 | 0\% | 0 | 100\% | 1 | 0\% | 0 |

Comparing 2015 to 2020 , 12 groups have increased participation by women, where 4 have reduced and 1 has not changed. While most changes are minor, more significant changes for women were found in 12 categories (See Table 14).

Table 14. General staff roles with notable percentage change in female participation

| Increase in percentage female |  |
| :--- | :--- |
| Senior Executive | $+15 \%$ |
| Catering / Hospitality Staff | $+14 \%$ |
| General Services Staff | $+9 \%$ |
| Aviation Staff | $+9 \%$ |
| Gardening Staff | $+9 \%$ |
| Technicians | $+7 \%$ |
| Administration Staff | $+4 \%$ |
| ICT Professional Staff | $+3 \%$ |
| CED Teacher/Reg Advisor | $+3 \%$ |


| Decrease in percentage female |  |
| :--- | :--- |
| Printery Staff | $-7 \%$ |
| Senior Manager | $-8 \%$ |
| Farm Staff | $-15 \%$ |

Table 15. Massey academic job categories 2015-2020 by gender representation.

| Academic | 2015 |  |  |  | 2016 |  |  |  | 2017 |  |  |  | 2018 |  |  |  | 2019 |  |  |  | 2020 |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Job Family Description | \% F | \# F | \% M | \# M | \% F | \#F | \% M | \# M | \%F | \#F | \% M | \#M | \% F | \#F | \% M | \# M | \% F | \# F | \% M | \# M | \% F | \#F | \% M | \# M |
| Associate Professor | 35\% | 45 | 65\% | 85 | 36\% | 43 | 64\% | 78 | 37\% | 48 | 63\% | 81 | 38\% | 48 | 62\% | 79 | 44\% | 54 | 56\% | 68 | 44\% | 63 | 56\% | 80 |
| Clinical Teaching Associate | 100\% | 18 | 0\% | 0 | 95\% | 18 | 5\% | 1 | 91\% | 30 | 9\% | 3 | 96\% | 24 | 4\% | 1 | 96\% | 22 | 4\% | 1 | 100\% | 13 | 0\% |  |
| Lecturer | 51\% | 128 | 49\% | 123 | 56\% | 159 | 44\% | 124 | 59\% | 161 | 41\% | 111 | 59\% | 156 | 41\% | 107 | 58\% | 131 | 42\% | 93 | 58\% | 117 | 42\% | 84 |
| Professor | 22\% | 32 | 78\% | 115 | 24\% | 37 | 76\% | 116 | 27\% | 43 | 73\% | 116 | 28\% | 49 | 72\% | 126 | 30\% | 49 | 70\% | 117 | 31\% | 55 | 69\% | 122 |
| Research-only academic staff | 56\% | 56 | 43\% | 43 | 62\% | 68 | 38\% | 42 | 66\% | 69 | 34\% | 36 | 67\% | 70 | 33\% | 35 | 60\% | 62 | 40\% | 42 | 59\% | 67 | 41\% | 46 |
| Senior Academic Manager | 48\% | 10 | 52\% | 11 | 39\% | 34 | 61\% | 54 | 39\% | 32 | 61\% | 51 | 36\% | 32 | 64\% | 56 | 33\% | 23 | 67\% | 47 | 32\% | 21 | 68\% | 44 |
| Senior Tutor | 46\% | 196 | 54\% | 229 | 47\% | 210 | 53\% | 236 | 48\% | 216 | 52\% | 237 | 46\% | 205 | 54\% | 237 | 68\% | 123 | 32\% | 57 | 73\% | 132 | 27\% | 50 |
| Snr Lecturer | 62\% | 93 | 38\% | 58 | 61\% | 118 | 39\% | 75 | 64\% | 114 | 36\% | 64 | 67\% | 115 | 33\% | 57 | 47\% | 212 | 53\% | 243 | 47\% | 212 | 53\% | 242 |
| Tutor | 72\% | 89 | 28\% | 34 | 68\% | 92 | 32\% | 44 | 66\% | 101 | 34\% | 52 | 65\% | 86 | 35\% | 46 | 62\% | 74 | 38\% | 46 | 64\% | 58 | 36\% | 33 |

Comparing 2015 to 2020, 5 academic groups have increased participation by females, where 6 have reduced and one with no change (See table 16)

Table 16. Roles with notable percentage change in female participation

| Increase in percentage female |  |
| :--- | :--- |
| Professor | $+9 \%$ |
| Associate professor | $+9 \%$ |
| Lecturer | $+7 \%$ |
| Research only academic staff | $+3 \%$ |
| Senior Tutor | $+27 \%$ |

## PART FIVE - Remuneration

The overall gender wage gap at Massey has reduced from $21.5 \%$ in 2009 to $19.6 \%$ in 2018 and $18.4 \%$ in 2020.
Table 15 shows the 2015-2020 mean base salaries for men and women within the 21 Massey job categories for which there are at least 5 individuals within each gender. Salary differences of more than $1 \%$ that favour men (orange) or women (purple) are shown.

The gender wage gap among academics remained static between 2009 and 2017 (13.9\% and 14.6\% respectively) but increased slightly in 2018 to $16.32 \%$. In 2020, it had dropped back slightly to $15.76 \%$. Within the 10 academic job categories in 2020, men earned $1-22 \%$ more than women in 6 of the categories. These statistics demonstrate a general improvement in reducing gender pay gaps across a number of academic categories although notable gender pay differences remain between male and female professors, senior academics, practicing vets/clinicians and researchers.

Among general staff, the gender wage gap decreased between 2009 (17.2\%), 2018 ( $11.87 \%$, ) and 2020 (10.25\%). Within the 11 general staff job categories in 2020, women earned $1-8 \%$ more than men in 7 of the categories, while men earned 1-16\% more than women in 8of the categories. Improvement in closing the gender wage gap for general staff was made in 7 role categories, while a slight gap increase occurred in 6 categories, with no change in 2. Professional Services Staff and Senior Managers are well balanced.

It is difficult to assess changes in pay parity over time because job categories change, and complete data that includes job category and grade and gender and pay are not always available. Some job categories (e.g. lecturer) have a fairly narrow wage band and regular incremental wage rises, while other job categories (e.g. Student/Comm Services) encompass individuals whose salaries range from $\$ 28,000$ to a range over $\$ 100,000$. Nevertheless, it should be expected that even in a job category with such a wide range, the spread of salaries among the men and women should be fairly equivalent. If men earn significantly more than women in a job category, it suggests that women do not have the same opportunities as men within that job category.

Table 17. Massey 2015-2020 gender difference in base salaries by job family.

Female workers earn >1\% more than males; Females earn >1\% less than males. Mean Salary: (calculated as \{[women's salary - men's salary] x 100\}/[men's salary]).

| Academic Groups | $\begin{array}{c\|} \hline \text { Women } \\ 2015 \end{array}$ | $\begin{aligned} & \text { Men } \\ & 2015 \end{aligned}$ | \% Gap | $\begin{gathered} \text { Women } \\ 2016 \end{gathered}$ | $\begin{aligned} & \text { Men } \\ & 2016 \end{aligned}$ | \% Gap | Women 2017 | Men 2017 | \% Gap | $\begin{array}{\|c} \hline \text { Women } \\ 2018 \end{array}$ | $\begin{aligned} & \text { Men } \\ & 2018 \end{aligned}$ | \% Gap |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Tutor | \$62,135 | \$62,927 | H\% | \$63,918 | \$60,972 | 5\% | 63,886 | 62,000 | 3\% | \$65,393 | \$65,007 | 1\% |
| Senior Tutor | \$76,182 | \$76,131 | b\% | \$76,774 | \$76,647 | 0\% | 78,267 | 77,588 | 1\% | \$78,921 | \$78,813 | 0\% |
| Postdoctoral Fellow | \$71,322 | \$70,699 | 1\% | \$71,222 | \$71,782 | -1\% | 71,996 | 74,021 | -3\% | \$74,220 | \$75,667 | 2\% |
| Lecturer | \$82,001 | \$81,368 | \% | \$82,519 | \$81,219 | 2\% | 83,368 | 83,280 | 0\% | \$85,033 | \$85,100 | 0\% |
| Research Staff | \$80,779 | \$84,390 | 4\% | \$80,409 | \$83,210 | -3\% | 80,191 | 89,551 | 10\% | \$79,366 | \$87,238 | 9\% |
| Pract Vet/Prof Clinician | \$80,723 | \$94,576 | -15\% | \$83,190 | \$94,508 | $12 \%$ | 85,118 | 93,295 | -9\% | \$88,610 | \$89,977 | -2\% |
| Senior Lecturer | \$101,199 | \$102,005 | -h\% | \$102,439 | \$103,299 | -1\% | 104,881 | 104,578 | 0\% | \$105,814 | \$105,968 | 0\% |
| Associate Professor | \$118,405 | \$117,462 | 4\% | \$117,053 | \$119,270 | -2\% | 121,312 | 121,328 | 0\% | \$122,732 | \$123,466 | 1\% |
| Senior Academic | \$118,540 | \$146,263 | -19\% | \$129,930 | \$147,185 | 12\% | 138,958 | 144,636 | -4\% | \$146,709 | \$161,385 | -9\% |
| Professor | \$140,790 | \$151,904 | 7\% | \$146,452 | \$151,751 | -3\% | 147,237 | 153,608 | -4\% | \$150,094 | \$155,697 | 4\% |
| Professional Services | Women 2015 | $\begin{aligned} & \text { Men } \\ & 2015 \\ & \hline \end{aligned}$ | \% Gap | $\begin{gathered} \text { Women } \\ 2016 \end{gathered}$ | Men <br> 2016 | \% Gap | Women 2017 | Men 2017 | \% Gap | $\begin{gathered} \text { Women } \\ 2018 \end{gathered}$ | $\begin{aligned} & \text { Men } \\ & 2018 \\ & \hline \end{aligned}$ | \% Gap |
| Catering Staff | \$37,937 | \$40,601 | \% | \$36,006 | \$40,837 | 12\% | 37,772 | 43,106 | 12\% | \$39,721 | \$44,474 | 1\% |
| Printery Staff | \$47,257 | \$46,204 | 2\% | \$47,982 | \$45,858 | 5\% | 49,747 | 45,952 | 8\% | \$49,267 | \$47,091 | 5\% |
| General Services Staff | \$50,926 | \$52,387 | -3\% | \$49,466 | \$52,949 | -7\% | 48,297 | 53,896 | 10\% | \$50,047 | \$56,366 | 1\% |
| Librarian/Libr Assistant | \$51,929 | \$48,934 | 6\% | \$53,625 | \$49,964 | 7\% | 54,329 | 52,126 | 4\% | \$55,479 | \$51,892 | 7\% |
| Technician | \$51,625 | \$56,242 | 8\% | \$51,465 | \$58,581 | $12 \%$ | 51,942 | 60,646 | 14\% | \$52,859 | \$61,937 | 15\% |
| Research Support | \$56,805 | \$65,928 | -14\% | \$59,308 | \$64,762 | -8\% | 59,748 | 69,195 | 14\% | \$61,486 | \$67,999 | 10\% |
| Admin Staff | \$59,351 | \$73,537 | -19\% | \$61,225 | \$73,251 | $16 \%$ | 62,966 | 75,943 | -17\% | \$63,731 | \$76,464 | 17\% |
| Student/Com Services | \$61,528 | \$60,908 | \% | \$64,890 | \$59,956 | 8\% | 63,776 | 61,069 | 4\% | \$63,064 | \$60,934 | 3\% |
| Information and Communications Technology | \$73,273 | \$73,187 | p\% | \$74,808 | \$74,352 | 1\% | 76,290 | 76,501 | 0\% | \$79,936 | \$76,855 | 4\% |
| Senior Professional | \$99,992 | \$108,646 | 8\% | \$99,023 | \$110,058 | 10\% | 114,069 | 110,981 | 3\% | \$120,849 | \$117,890 | 3\% |
| Senior Manager | \$127,052 | \$144,233 | -12\% | \$137,637 | \$149,562 | -8\% | 133,493 | 153,033 | 13\% | \$120,780 | \$161,686 | 25\% |
| CED Teacher/Reg Advisor |  |  |  |  |  |  | 95,391 | 82,217 | 16\% | \$90,997 | \$83,993 | 8\% |
| Gardening Staff |  |  |  |  |  |  | 50,000 | 44,537 | 12\% | \$51,060 | \$45,764 | 2\% |

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| Academic Groups | Women 2019 | $\begin{aligned} & \text { Men } \\ & 2019 \end{aligned}$ | \% Gap |  | Women 2020 | $\begin{gathered} \text { Men } \\ 20 \geqslant 0 \end{gathered}$ | \% Gap |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Tutor | 65,963 | 65,733 | $\bigcirc$ | 0\% | 67,168 | 68,283 | (1) | -2\% |
| Postdoctoral Fellow | 77,180 | 76,188 | $\bigcirc$ | 1\% | 78,250 | 78,654 | $\bigcirc$ | -1\% |
| Senior Tutor | 80,537 | 80,702 | $\bigcirc$ | 0\% | 82,470 | 82,671 | $\bigcirc$ | \% |
| Research-only academic staff | 82,615 | 86,873 | (1) | -5\% | 83,773 | 92,737 | (1) | -11\% |
| Lecturer | 85,601 | 85,777 | $\bigcirc$ | 0\% | 88,654 | 89,054 | $\bigcirc$ | 0\% |
| PracticingVet/ProfClinician | 91,302 | 105,683 | (1) | -16\% | 92,416 | 106,579 | (1) | -15\% |
| SnrPracticingVet/ProfClinician | 106,538 | 103,037 | (1) | 3\% | 112,367 | 98,058 | 1 | 13\% |
| Snr Lecturer | 107,550 | 107,628 | $\bigcirc$ | 0\% | 110,380 | 110,289 | $\bigcirc$ | 0\% |
| Associate Professor | 125,567 | 125,423 | $\bigcirc$ | 0\% | 128,877 | 128,027 | $\bigcirc$ | 1\% |
| Senior Academic | 129,188 | 153,986 | (1) | -19\% | 133,740 | 163,579 | (1) | -22\% |
| Professor | 150,404 | 157,801 | (1) | -5\% | 153,996 | 162,762 | (1) | -6\% |
| Professional | Women <br> 2019 | $\begin{aligned} & \hline \text { Men } \\ & 2019 \end{aligned}$ | \% Gap |  | Women 2020 | $\begin{aligned} & \text { Men } \\ & 2020 \end{aligned}$ | \% Gap |  |
| Administration Staff | 57,395 | 59,185 | (1) | -3\% | 60,206 | 62,228 | (1) | -3\% |
| Advisory / Specialists | 76,261 | 78,817 | (1) | -3\% | 78,121 | 83,493 | (1) | -7\% |
| Catering / Hospitality Staff | 43,009 | 48,292 | (1) | -12\% | 45,167 | 52,341 | (1) | -16\% |
| CED Teacher/Reg Advisor | 86,979 | 85,817 | $\bigcirc$ | 1\% | 85,044 | 89,500 | (1) | -5\% |
| Gardening Staff | 49,101 | 47,765 | (1) | 3\% | 53,713 | 51,136 | 1 | 5\% |
| General Services Staff | 48,002 | 57,718 | (1) | -20\% | 58,955 | 59,756 | $\bigcirc$ | -1\% |
| ICT Professional Staff | 83,875 | 80,687 | (1) | 4\% | 84,784 | 83,222 | 1 | 2\% |
| Librarian \& Library Assistants | 57,037 | 55,616 | (1) | 2\% | 61,673 | 58,736 | (1) | 5\% |
| Managers | 86,809 | 103,519 | (1) | -19\% | 90,850 | 105,544 | (1) | -16\% |
| Printery Staff | 51,023 | 48,002 | (1) | 6\% | 53,841 | 49,406 | 1 | 8\% |
| Research-only Support Staff | 64,486 | 66,191 | (1) | -3\% | 66,113 | 64,415 | 1 | 3\% |
| Senior Manager | 138,798 | 170,258 | (1) | -23\% | 171,090 | 168,687 | $\bigcirc$ | 1\% |
| Senior Professional | 122,505 | 130,186 | (1) | -6\% | 123,134 | 126,616 | (1) | -3\% |
| Student/Community Services \& | 67,529 | 59,818 | (1) | 11\% | 65,460 | 61,289 | 1 | 6\% |
| Technicians | 54,040 | 63,420 | (1) | -17\% | 56,230 | 64,646 | (1) | -15\% |

What, we see in Academic groups is a progressive ongoing improvement in most gaps.
Figure 5. Percentage gender pay gap for academic staff


However, this is not the same for Professional services staff where it is a very mixed set of results.

Figure 6. Percentage gender pay gap for professional services staff


## CONCLUSION

A reduction in the gender pay gap and reduced inequalities for women is worthy of note. The overall gender wage gap has reduced from $21.5 \%$ in 2009 to $18 \%$ in 2020 whereas general staff, in particular, have moved from $17.2 \%$ in 2009 to $10.25 \%$ in 2020. It is recognised that any reduction in inequalities does not happen by chance, but rather by consistent and concerted action to address such inequalities.

Particular improvements include greater representation of women in senior roles and greater application and success in academic promotions, which in part has been achieved by introducing stronger promotion application and criteria. With greater numbers of women being promoted to Associate Professor, this creates a strong pipeline effect for more women to move to Professor in the future. Further, the increased appointment of women as Associate Head of Schools is a deliberate succession planning that has taken place in recent years and is a strong effort toward gender equality for senior appointments in the University.

Massey University has committed to reducing the gender pay gap and improving gender equality. There are still significant areas where improvements can and must be made. Regular monitoring of data and reports such as this form an integral part of this. So too is challenging policies and practices to ensure they are free from gender bias, whether conscious or not, and providing support and encouragement in areas where statistics seem difficult to shift.

Further areas of focus moving forward include efforts directed towards hiring and promoting academic women and Māori, as well as a concentrated effort towards the achievement of parity, especially in Colleges such as Business and Science. Further consideration also needs to be given to gender imbalance within a School to ensure that women are more proportionally represented, particularly in traditional gender fields of work. Of particular focus will be library and clerical/administration staff and a work plan will be developed to address these areas.

Massey University reaffirms its commitment to improving gender equality and ensuring that Massey is truly a good place for women to work.


[^0]:    ${ }^{1}$ As with the previous report, it is noted that general staff are also referred to as Professional Services staff. The original review referred to general staff so this has been retained in this report.

[^1]:    ${ }^{2}$ The College of Business is now the Massey Business School, but given this is a historical comparison, we have continued to use College of Business/COB in this document.

